External Research Funding Opportunities

Updated July 13, 2018
Sponsor deadlines, requirements, and URLs are subject to change.

When you find funding opportunities that interest you, please contact the University of Minnesota Grants Management Team at DOSgrants@gmail.com for assistance.

The Department of Surgery requires you complete an Intent to Submit Survey to submit all grant applications. Link to Department of Surgery Grants Submission Process

ALL external funding must be approved and submitted through the University Sponsored Projects Administration (SPA)

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2018 Medical & Surgery Research Opportunities

Biomedical/Microbiome/Infectious Disease

**Burroughs Wellcome Fund**  
**Investigators in the Pathogenesis of Infectious Disease**

**Deadline:** July 16, 2018  
Pre-proposal deadline-Oct. 1, 2018 Invitations sent-November 15, 2018  
Full application deadline-Apr. 16-17, 2019  
In-person interviews-May 20, 2019  
Notice of award-July 1, 2019

**Description:** Funds research on infectious diseases where human and microbial systems connect. Supporting projects that focus on host and host-pathogen studies in viral, bacterial, fungal, or parasite systems. Eligible nominees have a terminal degree, an established record of independent research, an appointment at the tenure-track assistant professor level, and US citizenship.  
**Award Timeline**

**Funding:** $500,000 over five years

**Edward Mallinckrodt, Jr. Foundation**  
**Grants Program**

**Deadline:** Confirmed August 1, 2018

**Description:** Providing support for early career investigators who are involved in biomedical research with the potential to significantly advance understanding, diagnosis or treatment of disease is the purpose of this program. Eligible candidates hold MD and/or PhD degrees, and are in the first to fourth year of their tenure-track faculty positions. This funding is designed to move the recipients into competitive positions for funding from NIH at the R01 level or other independent investigator funding can be obtained.  
**Funding:** $180,000 ($60,000 per year for three years)

**NIH**  
**Lasker Clinical Research Scholars Program (Si2/R00 Clinical Trial Optional)**

**Deadline:** August 31, 2018

**Description:** PAR-18-740: Supporting early stage careers of independent clinical researchers. Opportunity for a bridge between the NIH intramural and extramural research communities and contains 2 phases. First phase, Lasker scholars receive appointments for 5-7 years as tenure-track investigators within the NIH Intramural Research Program with independent research budgets. Second phase, scholars receive up to 3 years of NIH support for their research at an extramural research facility; or, the scholar can be considered to remain as an intramural program investigator.  
**Funding:** Intramural Phase negotiated budget. NIH scientist salary  
Extramural Phase: $499,000 year

**NIH**  
**The Mechanistic Role of the Microbiome in the Pathobiology of Heart, Lung, Blood, and Sleep Diseases (R01- No Clinical Trial)**

**Deadline:** October 5, 2018

**Description:** To support functional microbiome research focused on understanding the molecular, immunological and physiological mechanisms by which the microbiota (gut, lung, oral, including bacteria, viral and fungal microflora) and its derived factors modulate heart, lung, blood and sleep (HLBS) biology and physiology to promote health or contribute to disease. This FOA encourages mechanistic studies using in vitro, in vivo and/or ex vivo models that focus on the mechanistic and functional involvement of the microbiome and their components in the modulation or activation of host pathways. The goal is to provide the critical knowledge to guide early translational approaches for better understanding and treatment of HLBS conditions in adults and children. Encourages multidisciplinary collaborations among scientists in a wide range of disciplines including (but not limited to) cardiology, pulmonology, hematology, sleep science, circadian biology, immunology, ‘-omic’ sciences, microbiology, microbial ecology, biotechnology, and bioinformatics. Potential examples of the scientific questions that could be addressed in response to this FOA include, but are not limited, to the following:

- What specific microbial metabolites or microbial activated pathways contribute to poor outcomes such as immune dysfunction and disease relapse following hematopoietic stem cell transplantation?
• What specific microbial metabolites or microbial-activated pathways contribute to blood pressure regulation?
• What is the influence of the gut and/or lung microbiome on processes associated with the progression of pulmonary fibrosis (e.g., alveolar epithelial injury, fibroblast differentiation, extracellular matrix remodeling, immune cell activation)?
• What is the role of microbiota in the pathogenesis of sickle cell disease, such as patients presenting with vaso-occlusive crisis?
• What circadian abnormalities in host and microbiota functions impair hormonal, metabolic, and immunological inter-relationships associated with HLBS pathobiology and disease?
• What host mechanisms are affected by sleep deficiency and lead to pathobiological changes in microbiota composition associated with increased risk of disease?
• What is the impact of the donor and/or recipient gut microbiome on graft survival following lung transplantation (e.g., what are the mechanistic associations between the gut microbiome and the development of lung allograft rejection)?
• What are the interactions between host and microbiome (activation pathways and molecules) that contribute to differences in clinical phenotypes and disease courses between patients?
• How does the microbiota or microbial metabolites impact hematopoiesis, the hematopoietic niche, and blood stem cell homing?
• What are the interactions between host and microbiome (activation pathways and molecules) that contribute to differences in clinical phenotypes and disease courses between patients?
• How does the microbiota or microbial metabolites impact hematopoiesis, the hematopoietic niche, and blood stem cell homing?

Funding: Not limited

NIH  Age-related Microbiota Changes and their Implications in Chronic Disease Prevention, Treatment and Progression (R01)

Deadline: October 5, 2018

Description: PA-18-738: to assess the role of the microbiome in health and disease during aging. This initiative will support research projects designed to evaluate changes in the microbiota during lifetime and its influence in health and disease status in the elderly, including those from racial/ethnic minority and underserved populations and understand the underlying mechanisms of microbiota interactions in aged subjects as related to health and disease. Supports basic mechanistic, preclinical studies in animal models and human clinical trial proposals in accordance with the state of the science. Relevant studies include but are not limited to:

• How age-related changes in the microbiome (ex: aging of digestive system including the change in stomach pH, aging microbial biofilm, overgrowing Candida, exposure to heavy metals, chemical pollutants, etc.) may increase the inflammatory status and affect diseases risk and progression.
• Example: Studies examining biologic signatures, including changes in microbiota pathobiont overgrowth and toxin production that can nurture a sort of pro-inflammatory loop and, in turn, worsen the health status of aged people.
• The mechanisms underlying senescence and the role of microbiota and microbially produced metabolites in the progress of aging and age-related diseases.
• Example: Studies of symbiotic human microbiota or their metabolites and host neurogenic, immunologic, or metabolic pathways that suggest the potential for microbial-based therapeutic strategies that may aid in the modification of the human microbiome, for healthy aging; or delay progression of age-related disease, including neurological disorders and cancer.
• How changes in the microbiome in different locations: oral, gut, upper respiratory, sinus, skin, etc.) affect risk of disease locally or at distal sites.
• Example: Studies focused on the relationship between the microbiota of human ecological niches (e.g., gut, oral cavity, skin, bladder, vagina, brain) and the development of clinical diseases that are common in older adults (e.g., pneumonia, urinary tract infection, reactive airways, disease, malignancies).
• The influence of diet, supplements, and prescription medication, on the composition of the microbiome and the development of dysbiosis with age.
- Example: Analysis of different exposures [diet, supplements, medications] in older adults that examine phenotypic correlations between gut microbiota composition and functionality, immunological and inflammatory parameters, and genomic/metabolomic profiles.

**Funding:** Not Limited. Project period may not exceed 5 years

**NIH Role of Gut Microbiome in Regulating Reproduction and Its Impact on Fertility Status in Women Living with and Without HIV (R21)**

**Deadline:** October 16, 2018  
**Description:** PA-18-839: To encourage applications from the scientific community to support outstanding research related to the role of the gut microbiome in regulating metabolism and reproduction, and its impact on fertility status. The overarching goal is to gain fundamental insight into the possible role of the gut microbiome in regulating reproduction through hypothalamo-pituitary-gonadal (HPG), hypothalamo-pituitary-adrenal (HPA), and hypothalamo-pituitary-thyroid (HPT) axes in the brain. The results of the study could lead to development of diagnostic markers (signature microbiomes) for reproductive and metabolic failure. The project is pertinent to multiple portfolios in the Fertility and Infertility Branch, e.g., basic ovarian biology, fertility preservation, assisted reproductive technology, spermatogenesis and sperm function, and therapeutic interventions to infertility. The emphasis on the gut microbiome and its impact on reproduction through its effects on HPG, HPA, and HPT axes leading to obesity, metabolic syndrome, stress disorders, infection and anxiety is also of interest to the Maternal and Pediatric infectious disease Branch, Pediatric Growth and Nutrition Branch and Intellectual and Developmental Disabilities Branch. Possible research topics that may be addressed in response to this FOA include, but are not limited to, the following:

- Examine the effect of altered gut microbiome and metabolome of the microbiome on hypothalamic neuroendocrine function, i.e. GnRH, TRH, and CRH secretion.
- Elucidate the role of altered microbiome and metabolome of the microbiome on pituitary gland function, i.e., LH, FSH, ACTH, TSH, and prolactin.
- Examine the impact of altered gut microbiome and metabolome of the microbiome on normal ovarian function and dysfunction, particularly for conditions that impact fertility such as anorexia nervosa, polycystic ovarian syndrome and obesity.
- Study the impact of altered gut microbiome and metabolome of the microbiome on normal testicular function and dysfunction from azoospermia/ oligospermia to lack of libido.
- Decipher dietary influences on the gut microbiome and metabolome of the microbiome in the development of metabolic dysfunction leading to infertility or subfertility.

**Funding:** The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

**Regenerative Medicine Minnesota Grants Discovery Science Grant**

**Deadline:** Anticipated October 2018  
**Description:** Applicants should be performing scientific and/or medical research in Minnesota. PI's can be at any professional rank. RMM seeks a diverse portfolio of research projects that focus on optimizing the body’s own ability to heal. Relevant fields include cell and developmental biology, regenerative pharmacology and immunology, medicine and surgery, biotechnology, bioengineering, genetics, and other fields that develop ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has interest in broadening the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs in MN, for example, kidney disease requiring dialysis, COPD, and diabetic and other non-healing wounds.

**Funding:** $250,000 ($125,000 per year for 2 years)

**Burroughs Wellcome Fund (BWF) Career Awards for Medical Scientists (CAMS)**

**Deadline:** October 1, 2018
**Description:** Committed to fostering the development of the next generation of biomedical scientists and is committed to supporting degree-granting institutions to achieve this goal. The career development of young scientists has been a major funding theme at BWF and various programs have provided major support to promising young scientists to help them make the transition from late postdoctoral training to early faculty service. Facilitates transition from a mentored position to independence for the early career physician scientist, supporting biomedical, disease-oriented, or translational research. Eligible candidates hold MD, DDS, DVM, or DO degrees; are no more than 12 years beyond receipt of their most recently earned clinical doctorate degree; and must be at the rank of fellow, resident, or postdoctoral researcher with at least two years of postdoctoral research at time of application. Ideal candidates will be first author on at least one publication, and has a significant publication record. Proposals must be in the area of basic biomedical, disease-oriented, or translational research. [Program Details]

**Funding:** $700,000 over five years

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<td><strong>Deadline:</strong> October 5, 2018</td>
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<td><strong>Description:</strong> PA-18-725: To advance select areas of research recognized as critical in the National Action Plan for Combating Antibiotic-Resistant Bacteria (CARB), including research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as research exploring combination therapies to address the emergence of resistance. The areas of interest for this FOA are aligned with the CARB National Action Plan and NIAID’s Antibacterial Resistance Program. Specifically, to increase research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as exploring combination therapies to suppress the emergence of resistance.</td>
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<td>a) Discovery-based clinical research focused on the microbiome of human cohorts at high-risk for acquiring drug resistant infections.</td>
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<td>b) Novel approaches to studying human-associated microbial communities and the mechanisms that generate colonization resistance or promote the emergence of drug resistant bacteria.</td>
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<td>c) Identification and characterization of combinations of existing antimicrobials to improve therapy for infections caused by MDR Gram-negative bacteria by leveraging model systems or existing cohorts.</td>
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<td><strong>Funding:</strong> Not limited. Maximum project period 5 years</td>
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<th>Surgical Infection Society Clinical Research Training Fellowship</th>
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<td><strong>Deadline:</strong> Anticipated December 15, 2018</td>
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<td><strong>Description:</strong> Provides the opportunity for a resident or fellow in a surgical discipline to spend one year full-time receiving training in the design, conduct, and interpretation of clinical research under the mentorship of a member of the SIS, and to foster interest in surgical infections as a career focus. Project must be relevant to the broad discipline of surgical infectious diseases. Expects that a strong mentor-trainee relationship and the goals of training will be described as part of the application.</td>
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<td><strong>Funding:</strong> $35,000</td>
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<td><strong>Description:</strong> Supporting programs open to a broad audience that benefit patients, the scientific or medical community, and/or public health providing funding for general research, translational research, other research or development projects, and/or other initiatives of research organizations, labs, and academic institutions. Collaborations, clinical trials and associated correlative research involving or undertaken in relation to Genentech or Roche products (whether investigational and/or approved for other uses) are excluded from this type of support. Genentech may consider an international program if the majority is U.S. physicians and the organization requesting the funding is located in the U.S.</td>
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<td><strong>Funding:</strong> Request Funding</td>
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<td>Department of Defense (DOD)</td>
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<td><strong>Deadline:</strong> Pre-Application Deadline: July 19, 2018. Application: October 18, 2018</td>
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<td><strong>Description:</strong> Impact Award (W81XWH-18-PCRP-IA): Supports research projects that have the strong potential to make a major impact on scientific and clinical prostate cancer issues, and ultimately make major advances toward eliminating death from prostate cancer and enhancing the well-being of Service members, Veterans, and all men experiencing the impact of the disease.</td>
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<td><strong>Funding:</strong> $750,000</td>
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<td><strong>Deadline:</strong> Pre-Application Deadline: July 25. Application: August 8, 2018</td>
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<td><strong>Description:</strong> Clinical Development Award: To accelerate the clinical introduction of medical products &amp; technologies that target ovarian cancer biology. Near-term clinical impact is expected. Proof of concept demonstrating the potential utility of the proposed product or a prototype/preliminary version of the proposed product should already be established; preclinical studies in animals are not allowed. Small-scale clinical trials studies enriching a clinical trial, and projects related to or associated with ongoing or completed clinical trials are allowed. Relevant data, published or unpublished, that support the study rationale are required.</td>
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<td><strong>Funding:</strong> $600,000 ($800,000 w/ Early-Career Investigator)</td>
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<td><strong>Deadline:</strong> Pre-Application Deadline: July 25. Application: August 8, 2018</td>
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<tr>
<td><strong>Description:</strong> Omics Consortium Development Award: Supports a multi-institutional research effort conducted by leading ovarian cancer researchers and consumer advocates that specifically focuses on the compilation of new and/or use of existing large datasets to study the origin of ovarian cancer disease with an emphasis on early detection and screening. This is a two-stage approach using two separate award mechanisms: the first is the FY18 Omics Consortium Development Award, which will enable the consortium to lay the groundwork for the research project, including a proof of concept preliminary research project; and the second is an FY20 Omics Consortium Award, which supports the full project.</td>
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<td><strong>Funding:</strong> $725,000</td>
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<td><strong>Deadline:</strong> Pre-Application Deadline: July 25. Application: August 8, 2018</td>
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<td><strong>Description:</strong> Early-Career Investigator Award: A unique, interactive virtual academy providing intensive mentoring, national networking, collaborations, and a peer group for junior faculty. The goal of the Ovarian Cancer Academy is to develop successful, highly productive ovarian cancer researchers in a collaborative research and career development environment.</td>
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<td><strong>Funding:</strong> $400,000</td>
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<th>Lung Cancer Research Program (LCRP)</th>
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<td><strong>Deadline:</strong> Pre-Application: July 26 Application: August 9, 2018</td>
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<td><strong>Description:</strong> Concept Award: Supports the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to lung cancer. Award is not intended to support an incremental progression of an already established research project but, instead, allows PIs the opportunity to pursue serendipitous observations. Supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Must describe how the new idea will enhance the existing knowledge of lung cancer or develop an innovative and novel course of investigation. Research completed may generate sufficient preliminary data to enable the PI to prepare an application for future research.</td>
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<td><strong>Funding:</strong> $100,000</td>
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Damon Runyon –Walter Winchell Foundation

**Damon Runyon Fellowship Award**

**Deadline:** August 15, 2018

**Description:** Encourages all theoretical and experimental research relevant to the study of cancer and the search for cancer causes, mechanisms, therapies and prevention. Candidates must apply for the fellowship under the guidance of a Sponsor—a scientist (tenured, tenure-track or equivalent position) capable of providing mentorship to the Fellow. In addition to aiding in the planning, execution and supervision of the proposed research, the Sponsor’s role is to foster the development of the Fellow’s overall knowledge, technical and analytical skills, and capacity for scientific inquiry. The Sponsor is also expected to assist the Fellow in attaining his/her career goals. Assistant Professors with limited mentorship are strongly encouraged to identify a more established scientist to co-sponsor the candidate. Awards are made to institutions for the support of the Fellow under direct supervision of the Sponsor. Candidates who have already accepted a postdoctoral research fellowship award are not eligible.

**Funding:**

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<td>Year 2</td>
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<td>Year 3</td>
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<td>Year 4</td>
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Department of Defense (DOD)

**Prostate Cancer Research Program (PCRP)**

**Deadline:** Pre-Application Deadline: August 16, 2018. Application: September 6, 2018

**Description:** Early Investigator Research Award (W81XWH-18-PCRP-EIRA): Supports prostate cancer-focused research opportunities for individuals in the early stages of their careers, under the guidance of one or more designated Mentors. Allows early career investigators to develop a research project, investigate a problem or question in prostate cancer research, and further their development as a prostate cancer researcher.

**Funding:** $200,000

**Deadline:** Pre-Application Deadline: August 16, 2018. Application: September 6, 2018

**Description:** Physician Research Award (W81XWH-18-PCRP-PRA): Supports a mentored research experience to prepare physicians with clinical duties and/or responsibilities for productive careers in prostate cancer research. The mentored physician is considered the PI of the application. This award emphasizes equally the quality of the proposed research project and the career development of the PI, which should prepare physicians for careers in basic, population science, translational, or clinical prostate cancer research.

**Funding:** $750,000

NIH & National Cancer Institute

**Improving the Reach and Quality of Cancer Care in Rural Populations (R01 Clinical Trial Required)**

**Deadline:** August 22, 2018

**Description:** RFA-CA-18-026: To reduce the burden of cancer and improve the quality of cancer care in rural areas among low-income and/or underserved populations. To reach this goal, we seek to fund studies that delineate the challenges to and strategies for delivering cancer care and treatment in rural areas, and develop and implement interventions in community and/or clinical settings. Proposals may assess and address quality of care indicators, health care delivery, and barriers that contribute to cancer burden in rural low-income and/or underserved populations. Focus is on rural low income/underserved populations. Studies in rural areas may involve studies with small populations that cannot be that cannot be generalized to other contexts/populations.

**Funding:** $400,000 per year ($500,000 per year w/ intervention project)

Elsa U. Pardee Foundation

**Grant Program**
Deadline: August 31, 2018  
Description: Funds research directed toward identifying new treatments or cures for cancer. Encourages applications, which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established researchers. Funding may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure.  
Funding: No limit (Awards range from $100,000-$200,000 over one year)  

NIH Improving the Reach and Quality of Cancer Care in Rural Populations (R01 Clinical Trial Required)  
Deadline: September 19, 2018  
Description: RFA-CA-18-026: To reduce the burden of cancer and improve the quality of cancer care in rural areas among underserved populations. Encourages two types of applications: 1) observational research that includes pilot testing of intervention to understand and address predictors of cancer care/treatment and outcomes in rural low-income and/or underserved populations; or 2) intervention research to address known predictors of cancer care/treatment and outcomes in rural low-income and/or underserved populations. Specifically, the focus for observational studies (with pilot testing) is understanding and addressing the predictive and/or mediating role of social determinants of health, barriers to care, and treatment; and the focus for interventional research is on addressing quality of care related to cancer diagnosis, treatment and/or survivorship. Proposals should seek to develop, adapt, and/or implement, and test interventions.  
Funding: $7,000,000 to start for fiscal year 2019  

Department of Defense (DOD) Prostate Cancer Research Program (PCRP)  
Deadline: Pre-Application Deadline: September 20, 2018. Application: October 11, 2018  
Description: W81XWH-18-PCRP-HDFA. Health Disparity Research Award: To fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of Service members, Veterans, and all men experiencing the impact of the disease. Within this context, the PCRP is interested in supporting research that addresses specific gaps in prostate cancer research and clinical care. Therefore, applications are required to address one or more of the following FY18 PCRP Overarching Challenges:  
• Develop treatments that improve outcomes for men with lethal prostate cancer  
• Reduce lethal prostate cancer in African Americans, Veterans, and other high-risk populations  
• Define the biology of lethal prostate cancer to reduce death  
• Improve the quality of life for survivors of prostate cancer  
The PCRP seeks to promote: highly innovative, groundbreaking research; high-impact research with near-term clinical relevance; the next generation of prostate cancer investigators through mentored research; and resources that will facilitate translational research. Link to Overview  
Funding: $200,000  

Department of Defense (DOD) Lung Cancer Research Program (LCRP)  
Deadline: Pre-Application September 6. Application: September 26, 2018  
Description: Career Development Award: Supports early-career, independent investigators to conduct impactful research under the mentorship of an experienced lung cancer researcher as an opportunity to obtain the funding, mentoring, and experience necessary for productive, independent careers at the forefront of lung cancer research. Intended to support impactful research projects with an emphasis on discovery. To be considered for funding, applications for the FY18 LCRP Career Development Award must address at least one of the eight Areas of Emphasis listed below:  
 Identify, develop, or optimize noninvasive or minimally invasive tools to improve the detection of the initial stages of lung cancer, such as, but not limited to, optimizing strategies for management of indeterminate nodules.  
 Identify, develop, and/or build upon already existing tools for screening or early detection of lung cancer. Screening may include, but is not limited to, imaging modalities, biomarkers, genetics/genomics/proteomics/metabolomics/transcriptomics, and assessment of risk factors.  
 Understand the molecular mechanisms of initiation and progression to clinically significant lung cancer.
Identify innovative strategies for prevention and treatment of lung cancer.
Understand predictive markers to identify responders and nonresponders.
Understand mechanisms of resistance to treatment (primary and secondary).
Understand contributors to lung cancer development other than tobacco.
Identify innovative strategies for lung cancer care delivery (clinical management/ surveillance/symptom management) Link to Overview

**Funding:** $250,000

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**Department of Defense (DOD)**

**Peer Reviewed Cancer Research Program (PRCRP)**

**Deadline:** Pre-Application August 28, 2018. Application: September 26, 2018

**Description:** *Career Development Award:* Supports independent, early-career investigators to conduct impactful research with the guidance of an experienced cancer researcher. Presents an opportunity for early-career investigators to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of cancer research. This award supports impactful research projects with an emphasis on discovery. Preliminary data are not required.

**Funding:** $360,000

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**Colorectal Cancer Alliance**

**Chris4Life Research Program -- Young-Onset Colorectal Cancer Research Grant**

**Deadline:** October 1, 2018

**Description:** Grants that are; Basic, Translational, Clinical, or Epidemiological in nature will be awarded to support research in young-onset colorectal cancer. The focus of research could be, but is not limited to, the following: The risk factors and causes associated with the rise in young-onset colorectal cancer. Prevention and early detection strategies. Better mechanisms for increasing long-term survival rates. The psychosocial impacts of young-onset colorectal cancer and the overall social influence on daily survivorship. An eligible proposal must demonstrate substantial potential for impact on prevention/early detection or treatment of young-onset colorectal cancer survivor population.

**Funding:** $125,000 over 2 years

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**NIH**

**Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility**

**Deadline:** October 16, 2018

**Description:** *PA-18-678:* To promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors (biological, environmental, and social) and their interplay with established risk factors (e.g., viral hepatitis) associated with the development of liver cancer (hepatocellular carcinoma and other histological subtypes) in the United States.

**Funding:** $275,000 over two years (no more than $200,000 per year)

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**NIH**

**Research Answers to National Cancer Institute's (NCI) Provocative Questions (R01 Research Project Grant, Clinical Trial Optional)**

**Deadline:** October 30, 2018

**Description:** *RFA-CA-18-019:* To support research projects designed to solve problems and paradoxes in cancer research identified by the NCI Provocative Questions (PQs) initiative. These problems are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these PQ's stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Some PQs reflect problems that traditionally have been thought to be intractable but may be open to investigations. Project must be focused on addressing one particular research problem.

**Funding:** Not Limited

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**Cancer Research Institute**

**Clinic & Laboratory Integration Program (CLIP)**
Deadline: November 1, 2018
Description: CLIP Grants provide funding for qualified scientists who are working to explore clinically relevant questions aimed at improving the effectiveness of cancer immunotherapies. The grant will support basic, pre-clinical, and translational research, which will provide information that can be directly applied to optimizing cancer immunotherapy in the clinic. Candidates for a CLIP Grant must hold a faculty appointment as a tenure-track assistant professor (or higher rank) at the time of award activation.
Funding: Up to $200,000 over two years

NIH Small-Cell Lung Cancer Consortium: Therapeutic Development and Mechanisms of Resistance
Deadline: November 17, 2018
Description: PAR-16-049: Invites applications to establish research teams of the Small-Cell Lung Cancer (SCLC) Consortium to conduct research whose overall goals are: 1) to improve SCLC therapeutics, focusing on understanding how the molecular vulnerabilities of this cancer could be used to develop targeted agent combinations; and/or, 2) gain better understanding of the development of clinical resistance to drug and radiation therapy.
Funding: $450,000

Damon Runyon Cancer Research Foundation Damon Runyon Physician-Scientist Training Award
Deadline: December 1, 2018
Description: In an effort to confront the crisis arising from a growing dearth of physician-scientists, Damon Runyon wishes to encourage more physicians to pursue research careers. To do so, the Foundation has established a pilot program designed to recruit outstanding U.S. Specialty Board-eligible physicians into cancer research careers by providing them with the opportunity for a protected research training experience under the mentorship of a highly qualified and gifted mentor after they have completed all of their clinical training. The goals are to a) transform these individuals into the highest quality physician-scientists, capable of conducting research that has the potential to transform the diagnosis, treatment and/or prevention of cancer and b) to eliminate the financial disincentive to entering this career path.

This award will provide a funding source that will enable these individuals to pursue research intensively (at least 80% effort) for up to four years, while, if they wish to maintain their clinical skills, continuing to be clinically active (no more than 20% effort). With the recognition that very few other funding sources (if any) exist to support these developing physician-scientists, this award is structured to provide recipients with significant salary support and necessary research expenses, with the expectation that their institutions will provide an environment and additional support (such as benefits and institutional overhead) to ensure their success.
Funding: $560,000 This award will provide a funding source that will enable these individuals to pursue research intensively (at least 80% effort) for up to four years, while, if they wish to maintain their clinical skills, continuing to be clinically active (no more than 20% effort). With the recognition that very few other funding sources (if any) exist to support these developing physician-scientists, this award is structured to provide recipients with significant salary support and necessary research expenses, with the expectation that their institutions will provide an environment and additional support (such as benefits and institutional overhead) to ensure their success. In addition, the Foundation will retire up to $100,000 of any medical school debt still owed by an award recipient.

The Gateway for Cancer Research Gateway’s Grant Application
Deadline: No due date. Continuous
Description: Gateway focuses on transformational science via effective clinical trials—when basic science translates into human testing and clinical practice. We invest in clinical trials to enroll patients at all ages, with all cancer types, whose cancer is at any stage of progress—as long we they have the potential to help people live longer and feel better. We accept submissions on a rolling basis and typically approve funding requests within 3-4 months—an extraordinarily short timeline compared to most research funding streams.
Funding: $800,000 1-3 years
### The Vasculitis Foundation

**Research Program**

**Deadline:** Anticipated August 15, 2018  
**Description:** Supports pilot studies on the etiology, epidemiology, diagnosis, and treatment of vasculitis. Eligible applicants are medical researchers in a variety of disciplines including rheumatology, immunology, nephrology, pulmonary/respiratory diseases, and internal medicine  
**Funding:** $50,000 1 year

### American College of Cardiology

**ACCF/Merck Research Fellowships in Cardiovascular Disease and Cardiometabolic Disorders**

**Deadline:** Anticipated September, 2018  
**Description:** To support research in adult cardiology, preferring no more than two years of prior full-time experience either in clinical or basic research. Recipients will be expected to pursue a full-time project in clinical research during their year of supported training. Focus; proposals addressing CVD and Cardiometabolic disorders that address pathophysiology, molecular genetics, metabolic abnormalities leading to cardiovascular disease, hypertension, heart failure, hyperlipidemia, inflammatory mechanisms and new pathways for drug discovery. Proposals focusing on clinically relevant outcomes as a result of the metabolic syndrome, diabetes or obesity are encouraged.  
**Funding:** $70,000 for salary support

### Thoracic Surgery Foundation (TSF)

**TSF Resident Research Fellowship Award**

**Deadline:** September 15, 2018  
**Description:** For general surgery or cardiothoracic surgery residents who have not yet completed cardiothoracic surgical training. No additional funds will be paid out for indirect, fringe, or other expenditures. These awards are designed to provide salary and/or direct experimental support for surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiothoracic surgery.  
**Funding:** $30,000 per year for up to two years.

**TSF Nina Starr Braunwald Research Fellowship Award**

**Deadline:** September 15, 2018  
**Description:** This award is designed to provide salary and/or direct experimental support for women cardiac surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiac surgery.  
**Funding:** $30,000 per year for up to two years.

**Nina Starr Braunwald Research Award**

**Deadline:** September 15, 2018
**Description:** This award is designed to provide salary and/or direct experimental support for women cardiac surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiac surgery.

**Funding:** $30,000 per year for up to two years.

**Thoracic Surgery Foundation (TSF) Michael J. Davidson Fellowship**

**Deadline:** September 15, 2018

**Description:** This prestigious award will help support a deserving young surgeon committed to the vision of innovative and collaborative cardiovascular care that Dr. Davidson helped pioneer. The successful applicant will have a record of excellence in training and academic achievement. Eligibility: Cardi thoracic surgeons who are within their first seven years of completion of an ACGME-accredited cardiothoracic surgery program or its equivalent outside the United States, and who are certified or eligible for certification by the American Board of Thoracic Surgery (ABTS) or its equivalent outside the United States. Must be actively practicing in cardiac thoracic surgery, and have an established mentor/sponsor who agrees to provide the applicant with training experience.

**Funding:** $25,000

**Thoracic Surgery Foundation (TSF) STS Research Award**

**Deadline:** September 15, 2018

**Description:** Operational support of original research efforts by cardiothoracic surgeons who have completed their formal training, and who are seeking initial support and recognition for the research program. Awards of up to $40,000 per year for up to two years are granted to support the work of an early-career cardiothoracic surgeon (within seven years of first faculty appointment at time of application deadline). The STS Research Award designation is given to the highest-ranking TSF research application awarded by TSF based on merit as judged by a rigorous peer review process.

**Funding:** $40,000 per year for up to two years

**Thoracic Surgery Foundation (TSF) TSF Research Award**

**Deadline:** September 15, 2018

**Description:** This grant is for cardiothoracic surgeons who have completed their formal training and are seeking initial support and recognition for their original research project. Awards of up to $40,000 per year for up to two years are granted to support the work of an early-career cardiothoracic surgeon. The awarded funds must be used solely for the direct expenses related to the proposed research project, including salary, services, and supplies; no additional funds will be provided. The award is not to be used to cover indirect expenses, fringe benefits, or expenditures that are not related to the project. Preference will be given to either clinical- or laboratory-based investigations that are judged likely to generate data that will, in turn, facilitate subsequent funding support for the applicant. In making the awards, emphasis will be placed on originality; clear, concise presentation of a logical project; high probability of successful project completion; and importance of the work toward the advancement of cardiothoracic surgery.

**Funding:** $40,000 per year for up to two years

**American Thoracic Society (ATS), American Thoracic Society (ATS) Foundation ATS Foundation Unrestricted Grants**

**Deadline:** September 20, 2018
Description: The focus of these research grants is to support early career investigators interested in research that advances the knowledge and understanding of the American Thoracic Society's three pillars: pulmonary, critical care, and sleep medicine. A primary goal of the ATS Foundation Research Program is to enable new investigators the chance to make the transition to careers as established investigators. The ATS Foundation encourages international and domestic applications in basic, patient-oriented, and public health topics. In the area of public health, the ATS Foundation is particularly interested in funding projects that will inform health policy decisions. These include projects that explore the quality and safety of a specific treatment and compare the effectiveness of different therapies. Investigators may apply for unrestricted funding if their proposals do not meet the criteria defined by the ATS Foundation partner awards.

Funding: $40,000 for one year (15 grants available)

American College of Cardiology

American Heart Association

American Venous Forum (AVF), American Venous Forum (AVF) Foundation

Vascular and Endovascular Surgery Center
<table>
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<tr>
<th>Funding: $12,500</th>
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<tr>
<th><strong>Society for Vascular Surgery</strong></th>
<th><strong>Mentored Clinical Scientist Research Career Development Award (K08)</strong></th>
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<tr>
<td><strong>Deadline:</strong> October 12, 2018</td>
<td><strong>Description:</strong> The SVS Foundation and ACS offers this award jointly with the NHLBI to facilitate the research career development of individuals pursuing a career in vascular research. Provides financial support over and above that offered by the NHLBI K08 mechanism. The objective of the award is to continue the long standing NIH support of didactic study and mentored research for individuals. Provides support and protected time for an intensive, supervised research career development experience in the fields of biomedical or behavioral research, including translational research. The K08 award supports a three, four, or five-year period of supervised research experience. Proposed research must have intrinsic research importance as well as serving as a suitable vehicle for learning the methodology, theories, and conceptualizations necessary for a well trained independent researcher. Candidate must be an Active or Candidate Member of the SVS, have a MD degree, have completed postgraduate clinical training in vascular surgery, and must identify a mentor with extensive research experience. <strong>Funding:</strong> The NHLBI awards US$100,000 plus fringe benefits per year, up to five years, and the SVS Foundation provides $50,000 up to five years.</td>
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<tr>
<th>The American College of Surgeons &amp; Society for Vascular Surgery</th>
<th><strong>ACS/SVS Foundation/NIH Research Career Development Award</strong></th>
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<tr>
<td><strong>Deadline:</strong> October 12, 2018</td>
<td><strong>Description:</strong> Provides supplemental funding to those who receive NIH Mentored Clinical Scientist Research Career Development Award (K08) or Mentored Patient-Oriented Research Career Development Award (K23). Directed at surgeon-scientists working in the early stages of their research careers. Requires co-sponsorship with the Society for Vascular Surgery Foundation of a three, four- or five-year period of supervised research experience that may integrate didactic studies with laboratory or clinically based research. Will help to facilitate the career development of individuals pursuing careers in surgical research by enhancing salary support over and above that offered by the K08/K23 mechanism. Must be members in good standing of both the College and the Society for Vascular Surgery. <strong>Funding:</strong> Unknown</td>
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<tr>
<th>Actelion Pharmaceuticals Ltd.</th>
<th><strong>ENTRELLIGENCE Young Investigators Awards</strong></th>
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<td><strong>Deadline:</strong> Letter of Intent Submission July 17-November 2, 2018. Grant Submission: December 17, 2018-February 1, 2019.</td>
<td><strong>Description:</strong> Supports basic, translational, and clinical research related to pulmonary vascular disease. Young investigators must have a background in the field, and no more than 5 years of experience. Mentor is required. <strong>Funding:</strong> $100,000 for one year</td>
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<tr>
<th>Vascular and Endovascular Surgery Center</th>
<th><strong>Early Career Faculty Research Award</strong></th>
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<td><strong>Deadline:</strong> November 7, 2018</td>
<td><strong>Description:</strong> Specifically designed to help new vascular surgical investigators initiate projects that will lead to extramural funding for basic or clinical research. Eligibility: an early career faculty member. “Early career” implies holding a full-time vascular surgery academic appointment within five (5) years of completing surgical training at the time of grant submission. Senior vascular surgery trainees (2nd year fellows or 5th year residents) are eligible. Must be a VESS member in good standing. <strong>Funding:</strong> $22,500</td>
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<tr>
<th>The American Thoracic Society</th>
<th><strong>2018 Research Program Portfolio</strong></th>
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<tr>
<td><strong>Deadline:</strong> Grant cycle open Due dates vary</td>
<td><strong>Description:</strong> Supports research encompassing pulmonary, critical care, and sleep illnesses. Topics of exploration are diverse, and include lung cancer, asthma, acute respiratory distress syndrome (ARDS), pulmonary fibrosis, chronic obstructive pulmonary disease (COPD), sleep apnea, etc.</td>
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**Funding:** TBA

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<tr>
<th>Critical Care and Trauma</th>
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**Society for Academic Emergency Medicine (SAEM), SAEM Foundation**  
**Research Training Grant**

**Deadline:** August 1, 2018  
**Description:** The SAEMF Research Training Grant is intended to provide funding to support the development of a scientist in emergency medicine. Its specific goals are:
1. Provide support to an emergency medicine academician awardee for two years of concentrated training and mentorship with an emphasis on learning research methodology. The award is intended to support the development of sound research skills rather than a specific research project.
2. Enhance the likelihood of the selection of an academic and research career by the awardee.
3. Facilitate the support of research training in the awardee's host institution for emergency medicine research scientists.
4. Encourage the awardee's academic development and involvement in emergency medicine research.

The award is for two years (July 1, 2019 - June 30, 2021)

**Funding:** Upper $300,000

| Society for Academic Emergency Medicine (SAEM), SAEM Foundation  
| Research Large Project Grant  
| Deadline: August 1, 2018 |

**Description:** To support an emergency medicine faculty member to conduct a large-scale research project to advance his/her career and subsequently obtain federal funding by developing pilot data. Although faculty members at any stage can apply for this award, higher consideration will be given to mid-career faculty members who have already had additional research training (such as an MPH or Masters in Clinical Research), a publication record, and some funding success, but who have not yet received independent (e.g., NIH R01-level) funding. Researchers without advanced training are encouraged to apply for the RTG (Research Training Grant). This Large Project Grant award will be used to answer important scientific questions in emergency medicine and will foster the growth of this individual, with the ultimate goal of becoming an independently-funded scientist in emergency medicine.

**Funding:** $150,000

| Society for Academic Emergency Medicine (SAEM), SAEM Foundation  
| Education Project Grant  
| Deadline: August 1, 2018 |

**Description:** The SAEMF Education Project Grant strives to foster innovation in teaching, education, and educational research in emergency medicine for faculty-, fellow-, resident- and medical student-level learners. The mission of the grant is to provide support for a medical education research project. The education project grant is expected to:

- Be novel, innovative, measurable and reproducible. Whenever possible and applicable, the project’s value should be compared to an existing “gold standard” educational measurement. If no clear “gold standard” exists, the measurement of its value should be an objective clinically or educationally relevant outcome. Projects may have qualitative and/or quantitative measurement components.
- Provide a product that can be used by educators within SAEM and emergency medicine.
- Be relevant to the practice of emergency medicine. Address teaching and education in emergency medicine.

**Examples include:**
- Assessing competency at any level of medical education (Undergraduate Medical Education, Graduate Medical Education, Continuing Medical Education), including the Emergency Medicine Milestones of the American Board of Emergency Medicine
- Assessing cognitive processes, such as diagnostic reasoning
- Evaluating instructional methods
• Evaluating outcomes of educational programs, including faculty development programs
• Studying the education workforce and career satisfaction
• Studying novel job description models for an education scholar
• Evaluating inter-professional educational programs
• Exploring use of technology for teaching knowledge, skills, or cognitive processes
• Studying educational formats best suited to specific types of emergency medicine knowledge acquisition
• Providing evidence for best practices in simulation training

Funding: Upper $20,000

National Emergency Medicine Association (NEMA) Grants Program
Deadline: August 15, 2018
Description: The Association is concerned with emergency at every stage of trauma, with particular attention paid to the excellence of first response at the time and place of emergency. The granting of funds to applicants is considered according to the following priorities: 1st consideration is given to grants relating to coronary trauma and heart wellness programs; 2nd consideration is given to grants relating to all types of trauma (i.e., vehicular and stroke); and 3rd consideration is given to grants relating to trauma prevention and to the cause of trauma.
Funding: $10,000 quarterly

Deadline: September 20, 2018
Description: The focus of these research grants is to support early career investigators interested in research that advances the knowledge and understanding of the American Thoracic Society's three pillars: pulmonary, critical care, and sleep medicine. A primary goal of the ATS Foundation Research Program is to enable new investigators the chance to make the transition to careers as established investigators. The ATS Foundation encourages international and domestic applications in basic, patient-oriented, and public health topics. In the area of public health, the ATS Foundation is particularly interested in funding projects that will inform health policy decisions. These include projects that explore the quality and safety of a specific treatment and compare the effectiveness of different therapies. Investigators may apply for unrestricted funding if their proposals do not meet the criteria defined by the ATS Foundation partner awards.
Funding: $40,000 for one year (15 grants available)

Parker B. Francis Foundation PBF Fellowship
Deadline: October 15, 2018
Description: Advancing Research in Pulmonary and Respiratory Disease. Provides research support to clinical and basic scientists embarking on careers in clinical, laboratory or translational science related to Pulmonary, Critical Care and Sleep Medicine. Ideal candidate is one with evidence of strong aptitude in research and who is in transition from post-doctoral trainee to independent investigator. It is essential that there be evidence of accomplishment and proficiency in research.
Funding: $50,000 for year 1, $52,000 for year 2, $54,000 for year 3

Orthopaedic Research and Education Foundation OREF & Orthopaedic Trauma Association (OTA) Trauma Research Grant
Deadline: Anticipated December 13, 2018
Description: This funding opportunity solicits investigator-initiated multidisciplinary research proposals focused on the development of new cell and tissue-based strategies to prevent, repair, regenerate, or replace injured musculoskeletal tissues.
Funding: $289,000 over a 3 year period
The Mayday Fund

**Deadline:** No deadline

**Description:** Interested in projects that result in clinical interventions to reduce the toll of physical pain, pediatric pain, pain in non-verbal populations, and pain in the context of emergency medicine. Projects that hold promise of innovative clinical applications. We look to seed translational research to expand the scope and reach of pain treatments

**Funding:** Recent grants range from $10,000 - $450,000

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### Diabetes

**American College of Cardiology**

**ACCF/Merck Research Fellowships in Cardiovascular Disease and Cardio metabolic Disorders**

**Deadline:** Anticipated September, 2018

**Description:** Supports research in adult cardiology. Preference to those with no more than two years of full-time experience either in clinical or basic research. Recipients will be expected to pursue a full-time project in clinical research during their year of supported training. Research Focus: proposals addressing CVD and Cardio metabolic disorders and proposals that address pathophysiology, molecular genetics, metabolic abnormalities leading to cardiovascular disease, hypertension, heart failure, hyperlipidemia, inflammatory mechanisms and new pathways for drug discovery. Proposals focusing on clinically relevant outcomes as a result of the metabolic syndrome, diabetes or obesity are also encouraged.

**Eligibility:** Anyone currently in an adult cardiology fellowship training program

**Funding:** $70,000 for salary support

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**NIH - SBIR R43/R44**

**PHS 2018-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant**

**Deadline:** September 5, 2018

**Description:** Issued by the NIH, the CDC, and the FDA, invites eligible US small business concerns (SBCs) to submit Small Business Innovation Research (SBIR) grant applications. SBCs that have the research capabilities and technological expertise to contribute to the R&D mission(s) of the NIH, CDC, and FDA awarding components identified in this FOA are encouraged to submit SBIR grant applications in response to identified topics (see PHS 2018-2 SBIR/STTR Program Descriptions and Research Topics for NIH, CDC, and FDA. With justification, awards may exceed these amounts by up to 50% as a hard cap ($225,000 for Phase I and $1,500,000 for Phase II). NIH has received a waiver from SBA, to exceed the hard cap of $225,000 for Phase I or $1,500,000 for Phase II for specific topics. The list of approved topics can be found at https://sbir.nih.gov/funding#omni-sbir. Applicants are strongly encouraged to contact NIH program officials prior to submitting any application in excess of the guidelines and early in the process. Propose a budget that is reasonable and appropriate for completion of the project.

**Funding:** Total funding support normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards.

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**NIH, United States Department of Health and Human Services, NIDDK**

**NIDDK Program Projects (P01 Clinical Trial Optional)**

**Deadline:** September 25, 2018

**Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

**Funding:** $6.25 MM in direct costs over 5 years

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**NIH**

**Evaluating Natural Experiments in Healthcare to Improve Diabetes Prevention and Treatment (R18)**

**Deadline:** November 1, 2018
**Description:** The purpose of this Research Demonstration and Dissemination Projects (R18) FOA is to support research to evaluate large scale policies or programs related to healthcare delivery that are expected to influence diabetes prevention and care. This FOA is not intended to support the initiation and delivery of new policies or programs. Research support is for the evaluation of the effectiveness of healthcare programs and/or policies implemented independent of NIH grant funding. The goal is to support research that meaningfully informs clinical practice and health policy related to prevention or management of diabetes.

**Funding:** Direct costs should generally be less than $500,000. The maximum project period is five years.

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<thead>
<tr>
<th>NIH/National Institute of Diabetes and Digestive and Kidney Diseases</th>
<th>Understanding Skeletal Effects of Type 1 Diabetes</th>
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<tr>
<td><strong>Deadline:</strong> November 6, 2018</td>
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<td><strong>Description:</strong> <em>RFA-DK-18-002:</em> To elucidate the etiology and pathogenesis of the bone abnormalities found in subjects with type 1 diabetes (T1D) with the ultimate goal of informing future strategies to mitigate excessive risk of fracture in this population. Applications may propose de novo human studies or expansions of ongoing studies of well characterized T1D cohorts. Such expansions might include the addition of comprehensive skeletal characterization (e.g., radiological, mechanical, and biomarkers), clinical measures (e.g., glycemic control, frequency and severity of hypoglycemic episodes), including the use of continuous glucose monitoring (CGM) technologies and/or collection of data on other risk factors. Clearly explained how the collection of additional data will contribute to the elucidation of skeletal consequences of T1D. Research focus should be on the bone complications of T1D. Comparisons of skeletal manifestations of T1D and type 2 diabetes are also encouraged.</td>
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<td><strong>Funding:</strong> $400,000 per year</td>
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<tr>
<th>NIH</th>
<th>The Characterization and Discovery of Novel Autoantigens and Epitopes in Type 1 Diabetes (R01 Clinical Trial Optional)</th>
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<td><strong>Deadline:</strong> November 6, 2018</td>
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<tr>
<td><strong>Description:</strong> <em>RFA-DK-17-031:</em> Encourages applications from institutions/organizations proposing original research aimed at the characterization and discovery of neoantigens and neoepitopes in type 1 diabetes. These include the characterization of the humoral and cell mediated autoimmune responses elicted by these neoepitopes and neoantigens and their role in the etiology and pathophysiology of type 1 diabetes. These studies should be integrated with the present knowledge of established epitopes and antigens (e.g. autoantibodies for insulin, GAD65, IA-2, and ZnT8T).</td>
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<tr>
<td><strong>Funding:</strong> $250,000 to $500,000 direct costs per year. The maximum project period is 4 years.</td>
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<thead>
<tr>
<th>NIH, HHS, NIDDK</th>
<th>Pilot and Feasibility Therapeutic Clinical Trials in Diabetes, and Endocrine and Metabolic Diseases</th>
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<tr>
<td><strong>Deadline:</strong> November 16, 2018</td>
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<tr>
<td><strong>Description:</strong> <em>PA-18-405:</em> Encourages the submission of pilot and feasibility therapeutic trials that lay the foundation for larger clinical trials related to prevention and/or treatment of diabetes or selected endocrine and genetic metabolic diseases. Supports short-term clinical trials in humans to acquire preliminary data and/or refine power calculations that lead to a larger, more definitive study impacting clinical care or health outcomes.</td>
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<tr>
<td><strong>Funding:</strong> Upper $275,000</td>
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<tr>
<th>NIH</th>
<th>Mechanisms Underlying the Contribution of Type 1 Diabetes Disease-associated Variants (R01 Clinical Trial Not Allowed)</th>
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<tr>
<td><strong>Deadline:</strong> December 6, 2018; <em>Letter of Intent:</em> November 6, 2018</td>
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<tr>
<td><strong>Description:</strong> <em>RFA-DK-18-005:</em> Encourages applications from integrative teams and individual investigators for projects to determine the mechanisms underlying the contribution of these risk-associated genes and their variants for Type 1 Diabetes to accelerate the discovery of function of the causal genes and variants that influence the risk for disease</td>
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<tr>
<td><strong>Funding:</strong> $2,400,000 Limited to $600,000 direct costs per year</td>
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<tr>
<th>NIH/NIDDK</th>
<th>Understanding Skeletal Effects of Type 1 Diabetes (R01 Clinical Trial Optional)</th>
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<tr>
<td><strong>Deadline:</strong> December 6, 2018</td>
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</table>
**Description:** Invites applications for studies to understand the effects of type 1 diabetes (T1D) on bone mass and quality and/or fracture risk. Researchers may propose investigations in newly recruited subjects or using subjects and/or samples from ongoing clinical studies of individuals with for T1D. This FOA is to elucidate the etiology and pathogenesis of the bone abnormalities found in subjects with type 1 diabetes (T1D) with the ultimate goal of informing future strategies to mitigate excessive risk of fracture in this population. Applications may propose de novo human studies or expansions of ongoing studies of well characterized T1D cohorts. Such expansions might include the addition of comprehensive skeletal characterization (e.g., radiological, mechanical, and biomarkers), clinical measures (e.g., glycemic control, frequency and severity of hypoglycemic episodes), including the use of continuous glucose monitoring (CGM) technologies and/or collection of data on other risk factors (e.g., micro- and macro-vascular disease, renal function, falls). Clearly explain how the collection of additional data will contribute to the elucidation of skeletal consequences of T1D. Research focus should be on the bone complications of T1D. Comparisons of skeletal manifestations of T1D and type 2 diabetes are also encouraged.

**Funding:** $400,000 per year the maximum project period is 5 years

**NIH Impact of the Use of Glucose Monitoring and Control Technologies on Health Outcomes and QoL in Older Adults with T1 Diabetes**

**Description:**

**Deadline:** December 6, 2018

Encourages applications from institutions/organizations proposing clinical studies of the use of current and emerging technologies for monitoring of blood glucose and insulin administration in older adults. Older adults may have increased vulnerability to hypoglycemia, cognitive impairment and/or multiple co-morbidities which may affect the risks and benefits of these technologies in this population. This research is intended to improve health, glucose control and quality of life of older patients with type 1 diabetes

**Funding:** $500,000 per year

**Broad Medical Research Program**

**Deadline:** No deadline

**Description:** There is a two-step process for requesting funding from the Broad Medical Research Program for Inflammatory Bowel Disease: The first step is to submit a Letter of Interest. If the BMRP is interested in pursuing a project, an invitation is extended to submit. Grants are available for proposals that will lead to improvements in the prevention, diagnosis or therapy of Crohn’s disease or ulcerative colitis. Soliciting proposals in two areas of research: Differences in IBD incidence between developing and developed countries. The BMRP is funding research into the possible reasons for low and high incidence of IBD in different areas of the globe. Proposals should be exploratory in nature or designed as pilot. Shed light on factors that may influence low versus high global areas of prevalence of the disease and should ultimately be helpful in improved understanding of the etiology of IBD and the factors that enhance or prevent the genesis of the disease. IBD and Diabetes Mellitus. Interested in early stage exploratory innovative proposals to investigate the similarities and differences between inflammatory bowel diseases and diabetes mellitus.

**Funding:** Not limited

**Gastrointestinal/Digestive/Bariatric/Colon/Rectal**

**Research Foundation of the American Society of Colon and Rectal Surgeons**

**Description:** Provides opportunity to pursue research interest, specifically germane to robotic surgical technology in the field of colon and rectal surgery. Innovative projects are encouraged. The Research Committee is particularly interested in fostering collaborative research. Proposals, which include 2+ institutions, may be eligible for additional funding provide investigator the opportunity to pursue research interest.

**Funding:** $50,000 1 year Collaborative Proposal w/ 2+ Institutions up to $100,000 for year 1

**Center for Gastrointestinal Biology and Disease (CGIBD)**

**Description:**

**Deadline:** August 20, 2018

Pilot Grants for Gastrointestinal Biology Research
Description: The Center for Gastrointestinal Biology and Disease (CGIBD), a joint program at the University of North Carolina at Chapel Hill and North Carolina State University, awards pilot and feasibility grants once each year in a competitive application process. The purpose of the program is to provide funds that will allow investigators to pursue new and innovative research ideas with the objective of obtaining preliminary data that may allow them to obtain independent funding. The proposed research must relate to digestive diseases. Pilot/feasibility proposals should be based on research in gastrointestinal biology and epidemiology. Preference will be given to proposals that (1) appear likely to result in findings that will allow the investigator to successfully compete for subsequent independent funding and (2) are related to research directions of the UNC Center for Gastrointestinal Biology and Disease. Research theme is in the areas of gene-environment interaction as it relates to digestive and liver diseases. Among the areas of special interest are: inflammatory bowel diseases (IBD), liver disease, gastrointestinal cancer, intestinal water and electrolyte transport; gastrointestinal epithelial damage, growth, development and repair; intestinal stem cells; gut microbiome and the epidemiology of gastrointestinal disease. Applications investigating other aspects of gastrointestinal disease will be accepted.

Funding: $30,000

American Gastroenterological Association
Research Scholar Award
Deadline: September 7, 2018
Description: Provides funding for a young investigator, instructor, research associate or equivalent working toward an independent career in gastroenterology, hepatology or related areas. The objective of the RSA is to support young gastroenterologists working toward independent and productive research careers in digestive diseases by ensuring that a major proportion of their time is protected for research (75 percent effort dedicated to project). Supports young faculty (not fellows) who demonstrate exceptional promise and have a record of accomplishment in research.
Funding: $270,000 ($90,000 per year for three years)

American Gastroenterological Association
AGA-Takeda Pharmaceuticals Research Scholar Award in Inflammatory Bowel Disease
Deadline: September 7, 2018
Description: Provides funding to a young investigator, instructor, research associate or equivalent working toward independent careers in IBD research. AGA-Takeda Pharmaceuticals Research Scholar Award in IBD is to support young gastroenterologists working toward independent and productive research careers in IBD by ensuring that a major proportion of their time is protected for research (a min. of 75 percent effort dedicated to the project). Supports young faculty who have some record of accomplishment in research. Career Development, Young Investigators
Funding: $270,000 ($90,000 per year for three years)

NIH, United States Department of Health and Human Services, NIDDK
NIDDK Program Projects (P01 Clinical Trial Optional)
Deadline: September 25, 2018
Description: PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found at http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx
Funding: Applications should not request more than $6.25 MM in direct costs over 5 years

Kenneth Rainin Foundation
Synergy Award
Deadline: Letter of Intent September 17, 2018 Award Announcement: January 2019 Grant Period: March 1, 2019-February 28, 2020
**Description:** The Kenneth Rainin Foundation’s Synergy Award is designed to encourage collaboration among health researchers from across disciplines to advance the study of Inflammatory Bowel Disease (IBD). It funds groundbreaking or unconventional methodologies, whose risky outlook is justified by the possibility of a major breakthrough.

**Basic Science:** If your research proposal is rooted in basic science, we encourage you to collaborate with investigators who can further the potential for translation of your ideas and findings.

**Translational Science:** If your research proposal is translational by nature, we encourage you to identify industry and clinical partners to assist in propelling your research toward clinical study.

**Clinical Science:** If you are looking to submit a clinical research proposal, we encourage you to collaborate with individuals who could facilitate potential clinical implementation. The spirit of this award is to forge partnerships in the field of Inflammatory Bowel Disease (IBD). Collaboration is a key requirement of our Synergy Award. Throughout the application, it is essential to demonstrate that the end product of the proposed research could not be achieved without collaboration. Providing samples and data will be necessary; however, the basis of the applicants’ success goes beyond this requirement. A clear and essential contribution from each of the groups involved must be clearly explained in terms of: percentage contribution, materials shared quality of science achieved as a collaboration that is not attainable individually, quantification of milestones upon which the project will be measured after one year, potential benefit to the IBD patient as a result of the collaborative efforts. Our goal is to increase the likelihood of your funding success and delivery, with the possibility of renewal after the first year if the above criteria are met.

**Funding:** $300,000

**Colorectal Cancer Alliance Chris4Life Research Program -- Young-Onset Colorectal Cancer Research Grant**

**Deadline:** October 1, 2018

**Description:** Grants that are; Basic, Translational, Clinical, or Epidemiological in nature will be awarded to support research in young-onset colorectal cancer. The focus of research could be, but is not limited to, the following: The risk factors and causes associated with the rise in young-onset colorectal cancer. Prevention and early detection strategies. Better mechanisms for increasing long-term survival rates. The psychosocial impacts of young-onset colorectal cancer and the overall social influence on daily survivorship. An eligible proposal must demonstrate substantial potential for impact on prevention/early detection or treatment of young-onset colorectal cancer survivor population.

**Funding:** $125,000 over 2 years

**NIH Exploratory/Developmental Clinical Research Grants in Obesity**

**Deadline:** October 16, 2018

**Description:** Encourages research grant applications from institutions that propose to conduct exploratory/developmental clinical studies that will accelerate the development of effective interventions for prevention or treatment of overweight or obesity in adults and/or children. Exploratory epidemiological research with a goal of informing translational/clinical research will also be supported within this program.

**Funding:** $275,000 over two years (no more than $200,000 per year)

**Society of American Gastrointestinal Endoscopic Surgeons (SAGES) Research Grants**

**Deadline:** Anticipated November 2018

**Description:** To stimulate original research in gastrointestinal and endoscopic surgery. The study may be either "bench" research or clinical.

**Funding:** Up to $30,000

**American Society of Colon and Rectal Surgeons Limited Project Grant (LPG)**

**Deadline:** November 1, 2018

**Description:** Provides investigator the opportunity to pursue research interest, specifically germane to the field of colon and rectal surgery. It is anticipated that projects, initially funded through the Research Foundation, will ultimately secure funding from other national funding agencies.

**Funding:** $50,000 one year
American Society of Colon and Rectal Surgeons

American Society of Colon and Rectal Surgeons General Surgery Resident Research Initiation Grant

**Deadline:** November 1, 2018

**Description:** To attract General Surgery Residents or recent graduates of such programs into the field of colon and rectal surgery by providing opportunities to engage in clinical or laboratory-based research focused on diseases of the colon, rectum and anus. Applicants must be within 5 years of first full-time faculty appointment. US citizen having completed an approved colorectal surgery training program; ASCRS members only.

**Funding:** $20,000

American Society of Colon and Rectal Surgeons International Fellowship Grant

**Deadline:** November 1, 2018

**Description:** Supports research programs that are focused on diseases of the colon, rectum and anus that will ultimately impact how we treat these patients. This grant will focus on providing support to clinical investigators in the U.S. who would like to participate in research outside the U.S. including US investigator engagement in global health research projects focused in colorectal surgery.

**Funding:** $50,000 One year

American College of Gastroenterology

American College of Gastroenterology Junior Faculty Development Grants

**Deadline:** Anticipated December 8

**Description:** Supports junior investigators working toward independent careers in clinical research in gastroenterology or hepatology. The objective is to assist promising clinical researchers in developing research careers that have a direct bearing on clinical gastrointestinal practice. This includes ensuring a major portion of the investigator's time is protected for research. To fund innovative research awards that are patient-oriented, which is defined as: (1) Research conducted with human subjects, (2) Research on new diagnostic and therapeutic interventions, and (3) Research on material of human origin, such as tissues and specimens.

**Funding:** $300,000 ($100,000 per year for three years)

American Society for Gastrointestinal Endoscopy (ASGE)

American Society for Gastrointestinal Endoscopy (ASGE) Endoscopic Research Awards

**Deadline:** Anticipated December 15, 2018

**Description:** Awards are offered to investigators (MD, DO, PhD, or equivalent) for projects in basic, translational and clinical research with a relationship to gastrointestinal endoscopy. ASGE is particularly interested in endoscopic research pertaining to (in no particular order): colorectal cancer screening, Barrett's esophagus, endoscopy training, health disparities, quality measurement and improvement, endoscope reprocessing and infection control, endoscopic sedation/anesthesia, bowel preparation, novel endoscopic treatments for obesity, endoscopic ultrasound (EUS), endoscopic retrograde cholangiopancreatography (ERCP), and other endoscopically-guided imaging/interventions.

**Funding:** $75,000

Broad Medical Research Program

**Deadline:** No Deadline

**Description:** Submit a Letter of Interest. If the BMRP is interested in pursuing a project, an invitation is extended to submit. Special Requests for Proposals. Grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis or therapy of Crohn's disease or ulcerative colitis. Soliciting proposals in two areas of research: Differences in IBD incidence between developing and developed countries. The BMRP is funding research into the possible reasons for low and high incidence of IBD in different areas of the globe. Proposals should be exploratory in nature or designed as pilot. Research should shed light on factors that may influence low versus high global areas of prevalence of the disease and should ultimately be helpful in improved understanding of the etiology of IBD and the factors that enhance or prevent the genesis of the disease. IBD and Diabetes Mellitus.

**Funding:** Unannounced
### Heart, Lung, and Blood

<table>
<thead>
<tr>
<th><strong>Department of Defense</strong></th>
<th><strong>Lung Cancer Research Program (LCRP)</strong></th>
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<tr>
<td><strong>Deadline:</strong> Pre-Application: July 26 Application: August 9, 2018</td>
<td><strong>Description:</strong> Concept Award: Supports the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to lung cancer. Not intended to support an incremental progression of an already established research project but, instead, allows PIs the opportunity to pursue serendipitous observations. Supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Must describe how the new idea will enhance the existing knowledge of lung cancer or develop an innovative and novel course of investigation. <strong>Funding:</strong> $100,000</td>
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<tr>
<th><strong>Enduring Hearts</strong></th>
<th><strong>EH Direct Grant Program</strong></th>
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<tr>
<td><strong>Deadline:</strong> August 1, 2018</td>
<td><strong>Description:</strong> To increase the longevity of transplanted human organs and related tissue transplants. Target research benefiting pediatric heart transplant recipients. Priority to clinical research projects and new emerging technologies focused on understanding the cause, development and prevention of human transplantation diseases, including organ injury and rejection, viral infection and late graft deterioration <strong>Funding:</strong> $200,000</td>
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<tr>
<th><strong>NIH Parent SBIR R43/R44</strong></th>
<th><strong>PHS 2018-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant</strong></th>
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<tr>
<td><strong>Deadline:</strong> September 5, 2018</td>
<td><strong>Description:</strong> Issued by the NIH, the CDC, and the FDA, invites eligible US small business concerns (SBCs) to submit Small Business Innovation Research (SBIR) grant applications. SBCs that have the research capabilities and technological expertise to contribute to the R&amp;D mission(s) of the NIH, CDC, and FDA awarding components identified in this FOA are encouraged to submit SBIR grant applications in response to identified topics (see <a href="https://sbir.nih.gov/funding#omni-sbir">PHS 2018-2 SBIR/STTR Program Descriptions and Research Topics for NIH, CDC, and FDA</a>. With appropriate justification, Congress will allow awards to exceed by up to 50% as a hard cap ($225,000 for Phase I and $1,500,000 for Phase II). NIH has received a waiver from SBA, to exceed the hard cap of $225,000 for Phase I or $1,500,000 for Phase II. List of approved topics <a href="https://sbir.nih.gov/funding#omni-sbir">https://sbir.nih.gov/funding#omni-sbir</a>. <strong>Funding:</strong> Total funding (direct costs, indirect costs, fee) normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards</td>
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<tr>
<th><strong>NIH, HHS, NHLBI</strong></th>
<th><strong>Limited Competition: Small Grant Program for NHLBI K01/K08/K23 Recipients (R03 Clinical Trial Optional)</strong></th>
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<tr>
<td><strong>Deadline:</strong> September 7, 2018</td>
<td><strong>Description:</strong> RFA-HL-18-025: To solicit current or recently completed NHLBI K01, K08, and K23 awardees for grant support to expand their current research objectives or to branch out to a study that resulted from the research conducted under the K award. Recently completed NHLBI K01, K08, and K23 awardees are eligible to apply for the R03 if the earliest possible R03 start date falls within 2 years of their prior NHLBI K award Project Period end date. Thus, this FOA is intended to enhance the capability of NHLBI K01, K08, and K23 award recipients to conduct research as they complete their transition to fully independent investigator status. The R03 grant mechanism supports different types of projects, including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support research projects that can be carried out in a short period of time with limited resources and that provide preliminary data to support a subsequent R01, or equivalent, application. <strong>Funding:</strong> Limited to direct costs up to $50,000 per year. The project period is two years</td>
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<tr>
<th><strong>NIH, HHS, NIDDK</strong></th>
<th><strong>NIDDK Program Projects (P01 Clinical Trial Optional)</strong></th>
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</table>
| **Deadline:** September 25, 2018 | **Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a
multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

**Funding:** $6.25 MM in direct costs over 5 years

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<tr>
<th>American Heart Association</th>
<th>Strategically Focused Research Program: Vascular Disease Network</th>
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<tr>
<td><strong>Deadline:</strong> Anticipated September 26, 2018</td>
<td><strong>Deadline:</strong> Anticipated September 26, 2018</td>
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<td><strong>Description:</strong> The Strategically Focused Research Network provides AHA with a mechanism to enhance the understanding of the causes, biology, pathophysiology and epidemiology of these disorders, and to develop more effective ways to prevent and treat them with ultimate improvement in outcomes. Vascular Diseases, specifically Peripheral Artery Disease and/or Aortic Disease, constitute a broad array of disorders, but applications responsive to this SFRN RFA must focus specifically on peripheral artery disease and aortic diseases in order to enhance synergy among centers and within the network.</td>
<td><strong>Description:</strong> The Strategically Focused Research Network provides AHA with a mechanism to enhance the understanding of the causes, biology, pathophysiology and epidemiology of these disorders, and to develop more effective ways to prevent and treat them with ultimate improvement in outcomes. Vascular Diseases, specifically Peripheral Artery Disease and/or Aortic Disease, constitute a broad array of disorders, but applications responsive to this SFRN RFA must focus specifically on peripheral artery disease and aortic diseases in order to enhance synergy among centers and within the network.</td>
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<td><strong>Funding:</strong></td>
<td><strong>Funding:</strong></td>
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<td>- The maximum budget amount is $3,709,200. Funding will be for 4 years with the opportunity for up to a No-Cost Extension</td>
<td>- The maximum budget amount is $3,709,200. Funding will be for 4 years with the opportunity for up to a No-Cost Extension</td>
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<tr>
<th>American Lung Association</th>
<th>Clinical Patient Care Research Grants</th>
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<tr>
<td><strong>Deadline:</strong> Anticipated December 2018</td>
<td><strong>Deadline:</strong> Anticipated December 2018</td>
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<tr>
<td><strong>Description:</strong> The target for this seed grant program is junior investigators working on traditional clinical trials examining methods to improve patient care and/or treatment for lung disease with their mentors. Must hold doctoral degrees, and must have faculty appointments or be assured of faculty positions by time of award. Eligible MD candidates have completed two years of postdoctoral research training.</td>
<td><strong>Description:</strong> The target for this seed grant program is junior investigators working on traditional clinical trials examining methods to improve patient care and/or treatment for lung disease with their mentors. Must hold doctoral degrees, and must have faculty appointments or be assured of faculty positions by time of award. Eligible MD candidates have completed two years of postdoctoral research training.</td>
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<tr>
<td><strong>Funding:</strong></td>
<td><strong>Funding:</strong></td>
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<td>- $40,000 per year for two years</td>
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<tr>
<th>American Lung Association</th>
<th>Dalsemer Research Grants</th>
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<td><strong>Deadline:</strong> Anticipated December 2018</td>
<td><strong>Deadline:</strong> Anticipated December 2018</td>
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<tr>
<td><strong>Description:</strong> Funding for early career investigators on the path to an independent research career, focusing on research concerning the mechanisms and biology of interstitial lung disease. Eligible applicants hold doctoral degrees, have a faculty appointment or will be in faculty positions by time of award, and have qualified mentors. MD applicants must have completed two years of postdoctoral research training.</td>
<td><strong>Description:</strong> Funding for early career investigators on the path to an independent research career, focusing on research concerning the mechanisms and biology of interstitial lung disease. Eligible applicants hold doctoral degrees, have a faculty appointment or will be in faculty positions by time of award, and have qualified mentors. MD applicants must have completed two years of postdoctoral research training.</td>
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<tr>
<td><strong>Funding:</strong></td>
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<td>- $40,000 per year for two years</td>
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<tr>
<th>American Lung Association</th>
<th>Biomedical Research Grants</th>
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<td><strong>Deadline:</strong> Anticipated December 2018</td>
<td><strong>Deadline:</strong> Anticipated December 2018</td>
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<tr>
<td><strong>Description:</strong> This mentored award provides seed monies for junior investigators researching mechanisms of lung disease and general lung biology. Applicants must hold doctoral degrees, and have faculty appointments or be assured of faculty positions by time of award. MD applicants must have completed two years of postdoctoral research training.</td>
<td><strong>Description:</strong> This mentored award provides seed monies for junior investigators researching mechanisms of lung disease and general lung biology. Applicants must hold doctoral degrees, and have faculty appointments or be assured of faculty positions by time of award. MD applicants must have completed two years of postdoctoral research training.</td>
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<tr>
<td><strong>Funding:</strong></td>
<td><strong>Funding:</strong></td>
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<tr>
<td>- $80,000 ($40,000 per year for two years)</td>
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**Immunology**

**Regenerative Medicine Minnesota Grants**

**Deadline:** Anticipated October, 2018

**Description:** Applicants should be performing scientific and/or medical research in Minnesota. PI's can be at any professional rank. RMM seeks research projects that focus on optimizing the body’s own ability to heal. Relevant fields include cell and developmental biology, regenerative pharmacology and immunology, medicine and surgery, biotechnology, bioengineering, genetics, and other fields that develop ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has interest in broadening
the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs in MN, for example, kidney disease requiring dialysis, COPD, and diabetic and other non-healing wounds.

**Funding:** $250,000 ($125,000 per year for 2 years)

### Cancer Research Institute (CRI)  
**CRI Irvington Postdoctoral Fellowship Program**

**Deadline:** October 2, 2018  
**Description:** Supports qualified young scientists at leading universities and research centers around the world who wish to receive training in cancer immunology. The Institute seeks hypothesis driven, mechanistic studies in both immunology and tumor immunology. The applicant and sponsor must clearly state the potential of the proposed studies to directly impact our understanding of the immune system's role in cancer risk, tumor initiation, progression, metastasis, host response to tumors and/or the treatment of cancer. Fellows work and continue their training under the guidance of a world-leading immunologist, who mentors the fellow and prepares him or her for a productive and successful career in cancer immunology. An eligible project must fall into the broad field of immunology and must show relevance to solving the cancer problem. Applicants must have a doctoral degree by the date of award activation and must conduct their proposed research under a sponsor who holds a formal appointment at the host institution. Applicants with 5 or more years of relevant postdoctoral experience are not eligible, with the exception of M.D. applicants, who should not include years of residency in this calculation.

**Funding:** $171,000

### NIH National Institute of Allergy and Infectious Diseases (NIAID)  
**High Priority Immunology Grants (R01)**

**Deadline:** October 5, 2018  
**Description:** PAS-15-055: To augment the maintenance and growth of the NIAID portfolio of investigator-initiated R01 grants in fundamental immunology. It seeks to address a decline in NIAID immunology R01 applications that has occurred the past several years. In FY2016-2018 NIAID supported high priority immunology grants beyond the institute’s payline to address a decline in NIAID immunology applications and to maintain a robust portfolio of immunology research (PAS-15-055, “High Priority Immunology Grants”). Based on the success of this program NIAID will continue to support a small number of investigator-initiated R01 immunology applications received in response to PA-18-484 NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed) that score beyond the Institute’s payline. NIAID is the lead NIH institute for research in fundamental immunology and is committed to supporting a comprehensive portfolio of investigator-initiated R01 studies as the basis of innovation and foundation for applied research in immunology and immune-mediated and infectious diseases. The NIAID strategic plan highlights the central role of immunology in the NIAID public health mission, providing the scientific basis for new, more effective approaches that include rational development of vaccines and adjuvants, manipulation of immune tolerance, and molecular understanding of the precise mechanisms of human immune regulation. Examples of scientific interest include, but are not limited to: Molecular mechanisms responsible for long-term, antigen-specific tolerance in T and B cells*Structural immunology*Discovery and characterization of novel innate immune receptors, signaling pathways and functions*Epigenetic modifications in immune responses and immunoregulation*Genetic, molecular, and cellular immune mechanisms underlying allograft or xenograft rejection or acceptance*Immunological mechanisms of autoimmune disease pathogenesis, remission and relapse*Mechanisms of maintenance or loss of tolerance in food allergy*Molecular mechanism responsible for short-term effector functions and long-term memory in T and B cells.  

**Notice of continued support**

**Funding:** Not Limited

### AST Transplantation and Immunology Research Network (TIRN)  
**Career Development Grants: Faculty Development Research Grant**

**Deadline:** Anticipated November 2018  
**Description:** To promote the careers of young independent investigators within the first 5 years of their first faculty appointment. Allows the investigator to expand on preliminary research findings that will become the basis for individual research or career development awards from the NIH or equivalent agencies. Grant applications are submitted in one of three categories: basic, clinical, or translational science.
| Funding: $50,000 (per year for either one year or two years) |
| **AST Transplantation and Immunology Research Network** |
| **Deadline:** Anticipated November 2018 |
| **Description:** Intended for individuals who have spent two years or less (at the time of the application) performing research in the area of transplantation since obtaining their last doctoral degree (PhD, MD, or equivalent). |
| **Funding:** $50,000 (per year for either one year or two years) |

| Cancer Research Institute (CRI) |
| **Deadline:** November 1, 2018 |
| **Description:** The Cancer Research Institute funds research aimed at furthering the development of immunological approaches to the diagnosis, treatment, and prevention of cancer. The Institute's mission is to bring effective immune system-based therapies to cancer patients sooner. To this end, CRI offers its Clinic and Laboratory Integration Program (CLIP) Grants to qualified scientists who are working to explore clinically relevant questions aimed at improving the effectiveness of cancer immunotherapies. The program supports basic, pre-clinical, and translational research that can be directly applied to optimizing cancer immunotherapy in the clinic. |
| **Funding:** Upper $200,000 |

| Cancer Research Institute (CRI) |
| **Deadline:** November 15, 2018 |
| **Description:** Provides seed funding to be used over 12-24 months to address the gap between technology development and clinical application of cancer immunotherapies. These grants aim to encourage collaboration between technology developers and clinical cancer immunologists and to generate the proof-of-principle of a novel platform technology in bioinformatics, ex vivo or in silico modeling systems, immunological or tumor profiling instrumentation, methods, reagents and assays, or other relevant technologies that can enable clinician scientists to generate deeper insights into the mechanisms of action of effective or ineffective cancer immunotherapies. Award winners will be selected based on the novelty, creativity, technical sophistication, and transformative potential of the technology to impact cancer immunotherapy research around the world. The aim of this program is to advance technologies that can speed up the entire field's efforts in addressing one of the most defining challenges of our time—developing immunotherapies that are effective for all cancer patients. |
| **Funding:** $200,000 |

| Immune Tolerance Network (ITN) |
| **Deadline:** No deadline |
| **Description:** Accepts Concept Proposals year-round for novel clinical trials with testable hypotheses designed to induce immune tolerance in allergy and asthma, autoimmune disease, transplantation and type 1 diabetes. Accepts proposals for the development of tolerance assays or mechanistic studies for the purposes of establishing new surrogate biomarkers of immune tolerance and investigating the mechanisms of clinical tolerance |
| **Funding:** Not limited |

| Nephrology/Endocrine/NIDDK |
| **International Society of Nephrology (ISN) ** |
| **Deadline:** September 1, 2018 |
| **Description:** Four types of studies are funded: 1. Screening and intervention studies. These studies identify individuals at high risk for or with chronic kidney disease through screening programs. They should be complemented by patient follow-up programs focusing on medical |
management including health education, lifestyle modification and pharmacological treatment in order to reduce end-stage kidney and cardiovascular disease and mortality. 2. Clinical research studies addressing specific local needs. These clinical research projects address specific needs at the local regional/country level. Projects should be related to acute or chronic kidney disease. 3. Acute kidney injury studies: focus on clinical aspects of Acute Kidney Injury in low and middle income countries especially studies on epidemiology, risk factors, prevention & treatment and that align with key priorities of the 0by25 ISN human rights initiative. 4. Chronic kidney disease studies: of unknown origin

**Funding:** $20,000 (The minimum duration for projects is 12 months and the projected time should not exceed 36 months)

| **NIH/NIDDK Undergraduate Summer Research Education in Kidney, Urologic, and Hematologic Diseases (R25 Clinical Trial Not Allowed)** |
| **Deadline:** September 6, 2018 |
| **Description:** RFA-DK-18-006: Supports educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. Supports creative educational activities with a primary focus on research experiences. Solicits applications to establish summer research institutes for qualified undergraduates and recent post-baccalaureates to participate in summer research experiences relevant to the mission of the Division of Kidney, Urologic and Hematologic Diseases/NIDDK (NIDDK/DKUH). |
| **Funding:** Cannot exceed $125,000 direct costs per year. Max project period: 5 years |

| **Regenerative Medicine Minnesota Translational Research Grant** |
| **Deadline:** FOA available September 2018, Due date is pending |
| **Description:** Applicants should be performing scientific and/or medical research in Minnesota. PI's can be at any professional rank. RMM believes that early stage investigators bring fresh ideas to existing research problems and help pioneer new areas of investigation. Funding for research that moves discoveries into a potential clinical application by developing ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has interest in broadening the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs, for example, kidney disease requiring dialysis, chronic obstructive pulmonary disease (COPD), and diabetic and other non-healing wounds. |
| **Funding:** $250,000 ($125,000 per year for up to 2 years) |

| **National Kidney Foundation Young Investigator Research Grant** |
| **Deadline:** October 1, 2018 |
| **Description:** The NKF recognizes the importance of the accomplishments of individuals who are early in their investigative careers in the advancement of our knowledge about the treatment and prevention of kidney disease and has established a Young Investigator grant program to support clinical research studies addressing important issues for patients with kidney disease. Promising young scientists are encouraged to submit proposals for investigating clinical research questions in nephrology, or closely related fields. Projects must be patient-oriented. Elements of patient-oriented research activities may include but are not limited to development of new technologies, mechanisms of human disease, educational or therapeutic interventions, epidemiological studies, health policy studies, and clinical trials. Individuals who have completed fellowship training in an ACGME accredited training program and who hold junior faculty positions (Instructor or Assistant Professor) at university-affiliated medical centers in the United States are eligible to apply. NKF will fund the most meritorious research projects proposed after careful and balanced peer review by an independent review committee, with an emphasis on the support of high-quality clinical investigation. The responsiveness of each application to the research agenda of the NKF will be one of the elements used in the assessment of proposals. Applicants will be asked to provide a description of the applicability of the proposed research to the NKF’s mission to improve the detection, prevention, and treatment of kidney disease, to foster kidney transplantation, and to improve the lives of patients with kidney disease. [Download Application] |
| **Funding:** $35,000 |

| **NIH Pilot and Feasibility Clinical Research Grants in Kidney Diseases** |
| **Deadline:** October 16, 2018 |
**Description:** Supports Exploratory/Developmental Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney disease research. Studies should address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney diseases.

**Funding:** $275,000 over two years (no more than $200,000 per year)

**American Kidney Fund**

**Clinical Scientist in Nephrology Program**

**Deadline:** November 20, 2018

**Description:** To improve the quality of care provided to kidney patients and to promote clinical research in nephrology. The CSN program enhances the training of nephrologists who wish to pursue an academic career and whose primary professional commitment is to scholarship in the provision of patient care. Our CSN fellows conduct prevention and outcomes research while receiving advanced training in essential skills such as medical ethics, biostatistics and epidemiology. Acceptable candidates for Clinical Scientist in Nephrology Program are individuals who:

- have completed a residency in Internal Medicine or Pediatric Medicine
- are qualified to sit for the American Board of Internal Medicine or Pediatric Medicine
- are in the process of completing or have completed at least one year of training in Clinical Nephrology in an accredited U.S. program
- can demonstrate an aptitude for and a commitment to developing special expertise in an area of knowledge applicable to Clinical Nephrology
- intend to pursue a professional career with emphasis on the provision of care to patients with kidney disease, preferably within the confines of an academic medical center where they will be exposed to continued learning and teaching
- can secure the support of their training program in the pursuit of these goals Clinical Scientist in Nephrology fellowships are not intended as a fellowship-to-faculty transitional award

Preference will be given to applicants in their first or second year of fellowship.

**Funding:** $160,000 ($80,000 a year for 2 years)

**American Society of Nephrology (ASN), Oxalosis Hyperoxaluria Foundation**

**ASN Foundation Kidney Research Grants**

**Deadline:** Anticipated December 6, 2018

**Description:** These grants support research on oxalosis, primary hyperoxaluria, and related stone diseases. Eligible applicants are within seven years of first fulltime faculty appointment at time of award, have terminal degrees, are North American residents, are independent investigators with less than $250,000 in external research funding at time of award, and are ASN members.

**Funding:** $200,000 ($100,000 per year for two years)

**American Society of Nephrology (ASN), ASN Foundation for Kidney Research**

**Career Development Grants**

**Deadline:** Anticipated December 6, 2018

**Description:** The Program includes the following grants: ASN Foundation for Kidney Research Grants Joseph V. Bonventre- Given to a general nephrology investigator. Carl W. Gottschalk Research Scholar- Given to a general nephrology investigator. John Merrill Grant in Transplantation- Given to an investigator performing biomedical research (transplantation). Norman Siegel Grant- Given to pediatric investigator

**Funding:** $200,000 ($100,000 per year for two years)

**American Society of Nephrology (ASN)**

**Ben J. Lipps Research Fellowship Program**

**Deadline:** Anticipated December 6, 2018
**Description:** To fund nephrology fellows to conduct original, meritorious research projects. This program will foster the training of fellows, under the direction of a sponsor, who are highly motivated to make contributions to the understanding of kidney biology and disease. Fellows may submit a proposal that examines any aspect of the entire spectrum of kidney biology and disease. To apply for a Research Fellowship, a candidate:
1. Must hold an MD, DO, PhD, or the equivalent degree.
2. May not have completed more than three years of research training after the completion of the MD or DO degree or equivalent, or 18 months of postdoctoral research training after the PhD degree at the time of the award activation.
3. Cannot have or have had at any time a nephrology-related or basic science faculty position at any academic institution.
4. Must complete research under the direction and mentorship of a sponsor.
5. Must be a member of ASN (Fellow/Trainee membership-type) at the time of the fellowship application. The sponsor of the candidate must also be an ASN member at the time of the fellowship application.
6. Cannot hold another full fellowship award such as another foundation fellowship or grant or a post-doctoral research fellowship from the National Institutes of Health. However, a candidate's institutions may supplement the support provided by ASN.
7. Must be working in North or Central America during the fellowship period.
8. Must commit a minimum of 75 percent time to research during the fellowship period.

**Application**

**Funding:** $50,000 - $100,000

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**American Society of Nephrology (ASN) William and Sandra Bennett Clinical Scholars Program**

**Deadline:** December 6, 2018

**Description:** The goal of this program is to produce the next generation of clinician educators by supporting aspiring nephrology educators to conduct a project to advance all facets of nephrology education and teaching. Applicants may submit a proposal that examines any aspect of the nephrology education. Proposals may address aspects related to pre-doctoral or post-doctoral education. The applicant should propose projects that will generate new knowledge and the results should have an impact beyond the applicant's institution. Examples of proposed projects can include (but are not limited to) curricular reform, innovations in education, new education methods, evaluation of new assessment tools for competency-based learning and assessment, or professional development.

**Funding:** $50,000-$100,000 Up to two years.

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**Pancreas and Liver**

**Hirshberg Foundation Seed Grant Program**

**Deadline:** August 15, 2018

**Description:** Funding both basic and clinical science research pertaining to pancreatic cancer, areas of interest are innovative ideas for improvement of diagnosis and development of new treatment options. Goals include funding at an early stage to gain necessary preliminary data to apply for additional funding elsewhere, and funding new scientific collaborations. Eligible investigators hold terminal degrees and may be at any academic level (assistant, associate, or full professor; research scientists, associates; or postdoctoral fellows after 2 years of training in pancreatic cancer research). Funding can be extended for more than one year based on competitive renewal/progress report findings.

**Funding:** $40,000 per year 1 year

**AGA Research Foundation Bernard Lee Schwartz Foundation Designated Research Scholar Award in Pancreatic Cancer**

**Deadline:** September 8, 2018

**Description:** For a young investigator working toward an independent career in pancreatic cancer research. To enable young investigators to develop independent and productive research careers in digestive diseases by ensuring that a major proportion of their time is protected for research.

**Funding:** Up to $100,000 for 1 year

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**University of Minnesota Department of Surgery Research Funding Opportunities**
research in pancreatic cancer. Candidates are required to have a sponsor and preceptor for the award; however, one individual may serve in the capacity of both positions. **Funding:** $270,000 ($90,000 for 3 years)

**NIH**  
**Alcohol-Induced Effects on Tissue Injury and Repair (R21)**

**Deadline:** October 16, 2018  
**Description:** PA-17-296: This FOA encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol’s effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol’s effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.  

**Funding:** $275,000 over two years (no more than $200,000 per year)

**NIH**  
**Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility**

**Deadline:** October 16, 2018  
**Description:** PA-18-678: To promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors (biological, environmental, and social) and their interplay with established risk factors (e.g., viral hepatitis) associated with the development of liver cancer (hepatocellular carcinoma and other histological subtypes) in the United States.  

**Funding:** $275,000 over two years (no more than $200,000 per year)

**American Association for the Study of Liver Disease**  
**Clinical, Translational and Outcomes Research Award**

**Deadline:** Anticipated December, 2018  
**Description:** Intended to foster career development for individuals performing clinical research, translational research, or outcomes research in a liver-related area and who have shown commitment to excellence at an early stage of their research study. The awards ensure that a significant portion of young investigator's time is protected for research, with an objective of enabling young investigators to develop independent and productive research careers in liver disease.  

Junior faculty (within 5 years of appointment)  

**Funding:** $200,000 ($100,000/year)

**American Association for the Study of Liver Disease**  
**Autoimmune Liver Diseases Pilot Research Award**

**Deadline:** Anticipated December, 2018  
**Description:** Provides supplementary funding during the pilot phase of basic, translational or clinical research projects in autoimmune liver disease (e.g. autoimmune hepatitis, primary sclerosing cholangitis, and primary biliary cholangitis) in preparation for future grant applications. Projects should address research questions pertaining to the pathogenesis, diagnosis, management or outcome of autoimmune liver diseases in children and adults. Basic, clinical, or translational research award. Career Level: Pre-doctoral/Graduate to junior faculty (within 5 years of appointment  

**Funding:** $20,000 One year

**American Association for the Study of Liver Disease**  
**Afdhal / McHutchison LIFER Award**
**Deadline:** Anticipated December, 2018  
**Description:** To foster career development for fellows performing clinical research and/or translational research in a liver-related area and who have shown commitment to excellence at an early stage of their research study. Intended to ensure that the investigators’ time is protected for research, to enable the investigators to develop independent and productive research careers in liver disease.  
**Funding:** $100,000 ($50,000/year for two years)

**American Liver Foundation**

**Postdoctoral Research Fellowship Award**

**Deadline:** Anticipated December 15, 2018  
**Description:** Supports postdoctoral research fellows or trainees who seek professional development, additional training and experience in liver research. While applications on all liver-related research topics will be considered, the following are of particular interest: transplantation, autoimmune hepatitis, hepatitis, primary sclerosing cholangitis, biliary atresia, and primary biliary cirrhosis.  
**Funding:** $12,500 one-year award

**American Liver Foundation**

**Liver Scholar Award**

**Deadline:** Anticipated December 15, 2018  
**Description:** Supports young scientists for their research to bridge the gap between completion of research training and attainment of status as an independent research scientist. Research experience provided by this award is intended to enable them to successfully compete for research awards from national sources, particularly the NIH. Intended to develop the potential of outstanding, young scientists and encourage research in liver physiology and disease. Either basic science or clinical studies are eligible for funding. Applications on all liver-related research topics will be considered, the following are of particular interest: biliary atresia and primary biliary cirrhosis.  
**Funding:** $225,000 Over 3 year period

**Pancreatic Cancer Action Network (PANCAN)**

**PanCAN Catalyst Grant**

**Deadline:** December 15, 2018  
**Description:** Supports a junior faculty to conduct pancreatic cancer research and establish successful career paths in the field. Proposed research may be basic, translational, clinical or epidemiological in nature and must have direct applicability and relevance to pancreatic cancer. Applicants must have a doctoral degree (including PhD, MD, DO, DC, ND, DDS, DVM, ScD, DNS, PharmD or equivalent) in the biomedical sciences or in a field applicable to health science research and may not currently be a candidate for a further doctoral degree.  
**Funding:** $500,000

**Association for Academic Surgery**

**Joel J. Roslyn Faculty Research Award**

**Deadline:** August 6, 2018  
**Description:** The intent of this award, which is supported by the Journal of Surgical Research and its publisher, Elsevier Science is to provide early-career research support to junior faculty members of the AAS.  
**Funding:** $50,000

**American College of Surgeons**

**Resident Research Scholarships**

**Deadline:** September 14, 2018  
**Description:** The American College of Surgeons is offering two-year resident research scholarships. Eligibility for these scholarships is limited to the research projects of residents in surgery or a surgical specialty.
American College of Surgeons (ACS) Faculty Research Fellowships

**Funding:** $30,000 per year

**Deadline:** November 15, 2018

**Description:** To assist a surgeon in the establishment of their research program under mentorship with the goal of transitioning to becoming an independent investigator. Applicants should have demonstrated their potential to work as independent investigators. 1.) Franklin H. Martin, MD, FACS, Faculty Research Fellowship of the ACS 2.) C. James Carrico, MD, FACS, Faculty Research Fellowship for the Study of Trauma and Critical Care. This fellowship is designated for research in trauma and critical care.

Surgical Infection Society Clinical Research Training Fellowship

**Funding:** $40,000 per year for each of two years

**Deadline:** Anticipated December 15, 2018

**Description:** Provides the opportunity for a resident or fellow in a surgical discipline to spend one year full-time receiving training in the design, conduct, and interpretation of clinical research under the mentorship of a member of the SIS, and to foster interest in surgical infections as a career focus. Project must be relevant to the broad discipline of surgical infectious diseases. Expects that a strong mentor-trainee relationship and the goals of training will be described as part of the application.

Surgical Infection Society Junior Faculty Fellowship Award

**Funding:** $35,000

**Deadline:** Anticipated December 15, 2018

**Description:** The purpose of this fellowship for Junior Faculty Members is to provide the opportunity for a junior faculty member to undertake a meaningful research project in an area relevant to surgical infectious diseases, and to foster interest in surgical infections as an academic career focus. Applications in this category may reflect basic, translational, or clinical research. The SIS Foundation requires that a trainee, with a doctoral degree or in a doctoral degree program, who is committed to collaborate with the awardee for the duration of the award period, will be identified explicitly to collaborate with the Jr Faculty Fellow and be mentored during the collaboration. Describe in specific detail the interaction of the mentor and trainee as collaborators in the scientific research, and in career development.

Surgical Infection Society Basic or Translational Research Training Fellowship

**Funding:** $35,000

**Deadline:** Anticipated December 15, 2018

**Description:** Opportunity for a resident or fellow in a surgical discipline to spend one year full-time receiving training in the design, conduct, and interpretation of basic or translational research in the laboratory of a member of the SIS, and to foster interest in surgical infections as a career focus. Project must be relevant to the broad discipline of surgical infectious diseases.

American Society of Colon and Rectal Surgeons (ASCRS), Research Foundation of ASCRS Research in Robotic Surgical Technology

**Funding:** $50,000-$100,000

**Deadline:** August 15, 2018

**Description:** Purpose: To provide investigator the opportunity to pursue research interest, specifically germane to robotic surgical technology in the field of colon and rectal surgery. It is anticipated that successful research projects, initially funded through The Research Foundation of the ASCRS granting mechanism, will ultimately secure funding from other national funding agencies. Criteria and Application Instructions
### Cancer Research Institute Technology Impact Award

**Deadline:** November 15, 2018  
**Description:** The Cancer Research Institute Technology Impact Award provides seed funding to be used over 12-24 months to address the gap between technology development and clinical application of cancer immunotherapies. These grants aim to encourage collaboration between technology developers and clinical cancer immunologists and to generate the proof-of-principle of a novel platform technology in bioinformatics, ex vivo or in silico modeling systems, immunological or tumor profiling instrumentation, methods, reagents and assays, or other relevant technologies that can enable clinician scientists to generate deeper insights into the mechanisms of action of effective or ineffective cancer immunotherapies. Award winners will be selected based on the novelty, creativity, technical sophistication, and transformative potential of the technology to impact cancer immunotherapy research around the world. The ultimate aim of this program is to advance technologies that can speed up the entire field's efforts in addressing one of the most defining challenges of our time--developing immunotherapies that are effective for all cancer patients.  
**Funding:** Upper $200,000

### Plastic Surgery

#### American Association of Plastic Surgeons

**Deadline:** Anticipated November, 2018  
**Description:** The AAPS Academic Scholar Program is offering faculty research scholarships to surgeons entering academic careers in plastic and reconstructive surgery. The scholarship is to assist a surgeon in the establishment of a new and independent research program. The academic scholar is expected to attend the next two Annual Meetings of the American Association of Plastic Surgeons to present a report to the Board after the first year and a presentation at the scientific session of the Annual Meeting after the second year. Plastic and reconstructive surgeons who have completed their chief residency year or post-residency fellowship within the preceding five years, have a full-time faculty appointment in a department of surgery/plastic surgery, and potential to work as independent investigator.  
**Funding:** $60,000 for two years. The fellowship award is $30,000 per year to provide salary and/or direct costs of the research. The award may be renewed once.

#### American Society of Plastic Surgeons (ASPS) Plastic Surgery Foundation (PSF)

**Deadline:** Anticipated December 1, 2018  
**Description:** To support research projects which translate clinical or basic science research findings into clinically relevant advancements or tools with a high likelihood of impacting daily practice and patient care within the next few years. Applications will be evaluated based upon the importance of the study question, soundness of study design, demonstration of study feasibility through preliminary/pilot data, the quality of the investigator team, and use of appropriate statistical and analytic methods. The PSF has identified the following high-priority research areas in plastic surgery: Tissue engineering and regenerative medicine - Stem cell biology - Fat grafting and adipose matrices - Allograft dermis/epidermis for wound healing - Vascularized composite allograft - Breast reconstruction - The use of biologics in breast reconstruction - Surgical education - Safety, outcomes and health services research studies - Comparative effectiveness/cost studies - Breast Implants - ALCL and Breast Implants  
**Funding:** Up to $50,000 for projects up to 2 years

#### American Society of Plastic Surgeons/ Plastic Surgery Foundation

**Deadline:** Anticipated December 1, 2018  
**Description:** The PSF, along with the AAHS, AAPPS, AAPS, ACAPS, ASMS, ASPN, ASRM and PSRC, recognizes the importance of promoting innovative research in hand surgery, academic plastic surgery related to research, peripheral nerve research, microsurgery and stimulating fundamental research in plastic surgery. Together, these subspecialty organizations are dedicated to fostering the development of surgeon
scientists and are committed to increasing the amount of research dollars, in order to fund pilot research studies that set the stage for investigators to apply to larger funding agencies. Applicants must:
- be a MD, DO, or PhD - hold a full-time clinical or research position in a U.S. or Canadian Institution where the research will be conducted
- be an Active ACAPS member or have a Co-PI who is an Active member of ACAPS
(a) If the applicant is not an Active ACAPS member or does not have a Co-PI, he/she must obtain a Sponsor letter from an Active ACAPS member at his/her institution
(b) If the applicant is currently in training, he/she must obtain a Sponsor letter from an Active ACAPS member at his/her institution
(c) (highly encouraged but not required) have an Active or Candidate member of ASPS within the key personnel on the application

**Funding:** $10,000 for a one-year project to support the preliminary or pilot phase of scientific research projects. No salary support for the Principal Investigator will be provided.

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**Plastic Surgery Foundation (PSF)**

**The PSF/MTF Biologics Allograft Tissue Research Grant**

**Deadline:** Anticipated December 1, 2018

**Description:** The PSF and MTF Biologics offer research grants to investigators studying allograft tissue transplantation in plastic and reconstructive surgery. These grants are intended to provide support for research projects focused on biologic reconstruction with a strong clinical translation component that utilize dermal, adipose, placental or other allograft transplant technologies. The PSF and MTF Biologics offer research grants for projects with a high likelihood of impact on scientific discipline and/or on patient care. Both clinical and basic science research projects will be considered for submission.

Examples of clinical technologies of interest include but are not limited to the use of allograft biologics in breast reconstruction, wound healing, nose reshaping, soft tissue defect filling, allograft in fat transplantation and injection, use of allograft in tissue engineering or bioprinting, and other applications of allograft tissue in plastic and reconstructive surgery. Clinical evaluation of allograft tissues will also be considered for funding, following the same scientific topics and technologies previously described. Proposals focusing solely on autologous grafts and synthetic applications that do not incorporate investigation of allograft use are beyond the scope of this award.

**Funding:** Up to $100,000 for projects up to 2 years

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**Plastic Surgery Foundation (PSF)**

**The PSF Translational Research Grant**

**Deadline:** Anticipated December 1, 2018

**Description:** To accelerate the translation of scientific discoveries and technical developments into practical solutions that improve human health through innovation funding, and to encourage collaborative, transdisciplinary work to accelerate the translation of medical discoveries into improved health. These seed grants will be awarded in the areas of medical technology, therapeutics, diagnostics, population health sciences and community engagement. Examples include, but are not limited to, prototype device development, preclinical studies and pilot clinical studies.

**Funding:** $50,000 for 1-year projects

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**Plastic Surgery Foundation (PSF)**

**The Scott Spear Innovation in Breast Reconstruction Research Fellowship**

**Deadline:** Anticipated December 1, 2018

**Description:** This new grant was developed and is being offered this year in memory of ASPS Past President and Georgetown University Hospital Department of Plastic Surgery Department Founding Chair, Scott Spear, MD and the Spear family's desire to nurture and grow the training and expertise of young academicians considering a career in breast reconstruction and patient care. This grant opportunity is available to residents and fellows and provides salary support to undertake a research project under the guidance of an experienced mentor. The application must describe a structured research training plan, and a research project focused on breast cancer or breast reconstruction. Funding for this new program comes from the Allergan Foundation.

**Funding:** Up to $72,500 for 1-year projects. $50,000 for salary support and $22,500 for research
Plastic Surgery Foundation (PSF)  
**ASE/PSF Combined Research Grant**  
**Deadline:** Anticipated December 1, 2018  
**Description:** The Plastic Surgery Foundation (PSF) and the Association for Surgical Education (ASE) recognize the importance of fostering the development of surgeon scientists that yield improvements in patient care in surgery. The ASE/PSF Combined Research Grant is intended to fund a research project that will advance the scientific knowledge and aim to develop and validate new methods of surgical care. Research projects that focus on surgical education and training in the area of plastic surgery are encouraged  
**Funding:** Up to $15,000 for 1-year projects

Plastic Surgery Foundation (PSF)  
**Research Fellowships**  
**Deadline:** Anticipated December 1, 2018  
**Description:** The PSF supports investigators from the beginning of their careers, during residency and as they advance to becoming experienced and well-established plastic surgeons. The purpose of the Research Fellowship Grant is to encourage research and academic career development in plastic surgery. This grant is for salary support only for a Resident or Fellow to obtain training and experience in research, under the guidance of an experienced mentor. The application must describe a structured research training plan, in addition to a research project. Only already funded research projects will be considered. Evaluation of the application will place emphasis on the research training experience, research project, applicant potential, and mentor qualifications and commitment to mentoring. Research Fellowship grants must be used for salary support only.  
**Funding:** Up to $50,000 for one-year

**Transplantation**

Mendez National Institute of Transplantation Foundation (MNITF)  
**Research Grant Program**  
**Deadline:** July 31, 2018  
**Description:** To create comprehensive research that advances scientific knowledge; Integrating transplantation with latest donor screening technologies, immunogenetics, post-transplant monitoring, and advancements in regenerative medicine; contributions to biology and medicine by developing new diagnostic, therapeutic paradigms; Empowering patients with end-stage organ disease and transplant recipients through education to proactively manage their health and improve outcomes.  
**Funding:** $50,000-$150,000

Enduring Hearts  
**EH Direct Grant Program**  
**Deadline:** August 1, 2018  
**Description:** To increase the longevity of transplanted human organs and related tissue transplants. Target research benefiting pediatric heart transplant recipients. Priority to clinical research projects and new emerging technologies focused on understanding the cause, development and prevention of human transplantation diseases, including organ injury and rejection, viral infection and late graft deterioration  
**Funding:** $200,000

**Department of Defense - DOD - Defense Health Program**  
**Department of Defense Reconstructive Transplant Research Program**  
**Deadline:** Confirmed. Pre-application August 15, 2018  
**Description:** To support research projects that specifically address needs in the field of vascularized composite allotransplantation (VCA). The managing agent for the anticipated FOA is the Congressionally Directed Medical Research Programs (CDMRP) at the U.S. Army Medical Research and Materiel Command (USAMRMC). Pre-application and application deadlines will be available when the Program Announcements are released. Focus Areas: The FY18 RTRP encourages research projects that specifically address needs in the field of vascularized composite allotransplantation (VCA) in the following focus areas: -Reduce the risks of VCA-associated immunotherapy-Revolutionize ex vivo VCA tissue
preservation strategies to extend the timeline between procurement and transplantation.-Identify near- and long-term functional, quality-of-life, and psychosocial outcomes in VCA. A pre-application must be submitted prior to the pre-application deadline.

**Concept Award:** Investigators at or above the level of postdoctoral fellow (or equivalent) Pre-application (Letter of Intent) is required. Supports the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to reconstructive transplant. Preliminary data are NOT allowed. Applications must address at least one of the FY18 RTRP Focus Areas.

**Investigator-Initiated Research Award:** Independent investigators at all academic levels (or equivalent) Preproposal is required; full application submission is by invitation only. Supports studies with potential to make an important contribution to the reconstructive transplant research field, patient care, and/or quality of life. Preliminary or published data required. Applications must address FY18 RTRP Focus Areas.

**Qualitative Research Award:** Independent investigators at all academic levels (or equivalent) Preproposal is required; full application submission is by invitation only. Supports qualitative research studies that will help researchers and clinicians to better understand the experiences of individuals who are considering, or have already, received reconstructive transplant surgery. Demonstrated qualitative research experience within the research team is required. Applications must address the following FY18 RTRP Focus Area: Identify near- and long-term functional, quality-of-life, and psychosocial outcomes in VCA. Multiple PI Option supports synergistic partnerships among two to four investigators collaborating on a single application; multi-institutional collaborations are encouraged.

**Funding:**
- **Concept Award:** Max. $200,000 for total costs (Max. project period is 18 months)
- **Investigator-Initiated Research Award:** Max. funding $1MM. (Max. project period is 3 years)
- **Qualitative Research Award:** Max. funding $1MM for total costs (Max. project period is 3 years)

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**Musculoskeletal Transplant Foundation & Plastic Surgery Foundation**

**PSF/MTF Biologics Allograft Tissue Research Grant Program**

**Deadline:** Anticipated September 1- December 1

**Description:** Provides annual research grants to investigators studying allograft tissue transplantation in plastic and reconstructive surgery. Provides support for research projects focused on biologic reconstruction with a strong clinical translation component that use dermal, adipose, placental or other allograft transplant technologies. Awarded projects are those with a high likelihood of impact on scientific discipline and/or patient care. [Flyer]

**Funding:** $50,000 up to 2 years

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**International Society for Heart & Lung Transplantation**

**Transplant Registry Early Career Awards**

**Deadline:** October 1, 2018

**Description:** Applicants must have fellowship or junior faculty level status (defined as instructor or assistant professor equivalent) prior to award start date, must be ISHLT members, and must not have received funding for the same period from any other external sources. $5,000 for statistical support and $2,500 conference travel.

**Funding:** $7,500 for 1 year

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**NIH**

**Improvement of Animal Models for Stem Cell-Based Regenerative Medicine**

**Deadline:** October 5, 2018

**Description:** PAR-16-093: For institutions proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. To facilitate the use of stem cell-based therapies for regenerative medicine. Focus areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications.

**Funding:** Not Limited
<table>
<thead>
<tr>
<th><strong>International Society of Nephrology (ISN) ISN-TTS</strong></th>
<th><strong>Sister Transplant Center Program</strong></th>
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<tbody>
<tr>
<td><strong>Deadline:</strong> October 1, 2018</td>
<td><strong>Description:</strong> The ISN-TTS Sister Transplant Center Program is a joint partnership to create new kidney transplant centers and develop existing kidney transplant programs in emerging countries. Encourages transplant centers to work together to increase opportunities for kidney transplant patients in developing countries. An experienced transplant center in the developed world lends its support to an emerging transplant center to facilitate vital multidisciplinary training and encourage both centers to exchange their knowledge and expertise. Supporting centers get involved in global health, spread ethical and competent transplantation to regions of the world with limited or no current access to transplantation. Emerging centers connect with a multidisciplinary team of international experts in transplantation from a world-leading center.</td>
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<tr>
<th><strong>Department of Defense (DOD)</strong></th>
<th><strong>Reconstructive Transplant Research Program (RTRP) Concept Award</strong></th>
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<tbody>
<tr>
<td><strong>Deadline:</strong> Confirmed. <strong>Pre-Application:</strong> October 3, 2018 <strong>Application:</strong> October 29, 2018</td>
<td><strong>Description:</strong> Department of the Army U.S. Army Medical Research and Materiel Command (USAMRMC Office of Congressionally Directed Medical Research Programs (CDMRP) W81XWH-18-RTRP-CA: The intent of the FY17 RTRP Concept Award is to support the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to reconstructive transplantation. The Concept Award is not intended to support a logical progression of an already established research project, but instead, supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Young/early-career investigators are encouraged to apply</td>
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<tr>
<th><strong>NIH</strong></th>
<th><strong>Improvement of Animal Models for Stem Cell-Based Regenerative Medicine</strong></th>
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<tr>
<td><strong>Deadline:</strong> October 16, 2018</td>
<td><strong>Description:</strong> PAR-16-094: Encourages applications from institutions proposing research aimed at characterizing animal stem cells and improving existing, creating new, animal models for human disease conditions. Intent is to facilitate the use of stem cell-based therapies for regenerative medicine. Focus areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications.</td>
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<tr>
<th><strong>AST Transplantation and Immunology Research Network (TIRN)</strong></th>
<th><strong>Career Development Grants: Faculty Development Research Grant</strong></th>
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<tr>
<td><strong>Deadline:</strong> Anticipated November 2018</td>
<td><strong>Description:</strong> To promote the careers of young independent investigators within the first 5 years of their first faculty appointment. Allows the investigator to expand on preliminary research findings that will become the basis for individual research or career development awards from the NIH or equivalent agencies. Grant applications are submitted in one of three categories: basic, clinical, or translational science.</td>
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<tr>
<th><strong>AST Transplantation and Immunology Research Network</strong></th>
<th><strong>Research Fellowship</strong></th>
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<tr>
<td><strong>Deadline:</strong> Anticipated November 2018</td>
<td><strong>Description:</strong> Intended for individuals who have spent two years or less (at the time of the application) performing research in the area of transplantation since obtaining their last doctoral degree (PhD, MD, or equivalent).</td>
</tr>
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</table>
### International Society for Heart and Lung Transplantation (ISHLT)  
**Joel D. Cooper Career Development Award**

**Deadline:** November 1, 2018  
**Description:** Aimed to support the rising stars of basic, clinical or translational research at a critical time in their independent research career. Applicant will have already established a track record in the field of heart or lung transplantation, the failing heart or lungs or mechanical circulatory support and will aim to further develop their career in one of these areas. The applicant and applicant's sponsor/chief must be members of the ISHLT in good standing at the time of application and throughout the period of funding, must have completed post-graduate training (post-doctoral training for scientists or post Board certification/accreditation/staff appointment for clinicians).  
**Funding:** $160,000 ($80,000 a year for 2 years)

### International Society for Heart and Lung Transplantation (ISHLT)  
**Norman E. Shumway Career Development Award**

**Deadline:** November 1, 2018  
**Description:** Aimed to support the rising stars of basic, clinical or translational research at a critical time in their independent research career. The awardees will have already established a track record in the field of heart or lung transplantation, the failing heart or lungs or mechanical circulatory support and will aim to further develop their career in one of these areas.  
**Funding:** $160,000 ($80,000 a year for 2 years)

### International Society for Heart and Lung Transplantation (ISHLT)  
**ISHLT/Enduring Hearts Transplant Longevity Research Award**

**Deadline:** November 1, 2018  
**Description:** To further the scientific understanding surrounding the topic of improving pediatric cardiac graft outcomes and patient quality of life and establish endowments for the study of heart and lung transplantation and end-stage heart and lung disease. Promotes research to improve longevity of pediatric heart transplants, improve quality of life for transplant recipients, and ultimately reduce and eliminate pediatric heart disease.  
**Funding:** $160,000

### International Society for Heart and Lung Transplantation (ISHLT)  
**Research Fellowship Grant Award**

**Deadline:** November 1, 2018  
**Description:** To support trainees in basic, clinical or translational research in transplantation or mechanical circulatory support in a mentored environment.  
**Funding:** $40,000 (1 year)

### American Society of Plastic Surgeons, Plastic Surgery Foundation (PSF)  
**PSF/MTF Allograft Tissue Research Grant**

**Deadline:** Anticipated December 1, 2018  
**Description:** The PSF and the Musculoskeletal Transplant Foundation (MTF) offer research grants to study allograft tissue transplantation in plastic and reconstructive surgery. Provides support for projects focused on biologic reconstruction with a strong clinical translation component that utilize dermal, adipose, placental or other allograft transplant technologies. Research grants are offered for projects with a high likelihood of impact on scientific discipline and/or on patient care. Clinical technologies of interest: the use of allograft biologics in breast reconstruction, wound healing, nose reshaping, soft tissue defect filling and other applications of allograft tissue in plastic and reconstructive surgery.  
**Funding:** Upper $50,000 (Project duration up to 24 months)

### Immune Tolerance Network  
**Clinical Trials in Immune Tolerance**

**Deadline:** No deadline  
**Description:** Accepts proposals year-round for novel clinical trials with testable hypotheses that are designed to induce immune tolerance in allergy and asthma, autoimmune disease, transplantation and type 1 diabetes. Accepts proposals for the development of novel tolerance assays or...
mechanistic studies for the purposes of establishing new surrogate biomarkers of immune tolerance and investigating the mechanisms of clinical
tolerance.
Funding: Not limited

### Miscellaneous Research Funding Opportunities

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<tr>
<th>NIH</th>
<th>P01 Research Program Projects and Centers</th>
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<td><strong>Deadline:</strong> September 25, 2018</td>
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<td><strong>Description:</strong> Supports a broadly based, multidisciplinary, long-term research program, which has a specific objective, or a basic theme that involves organized efforts of relatively large groups. Project is usually under the leadership of an established investigator. Provides support for certain basic resources used by these groups in the program, including clinical components, the sharing of which facilitates the total research effort. Projects supported should contribute or be directly related to the common theme of the total research effort.</td>
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<td><strong>Description:</strong> The NIH Director's Pioneer Award supports individual scientists of exceptional creativity who propose highly innovative and potentially transformative approaches to major challenges in the biomedical or behavioral sciences towards the goal of enhancing human health. Applications from individuals with diverse backgrounds and in any topic relevant to the broad mission of NIH are welcome. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator's research program or elsewhere. The NIH Director's Pioneer Award is a component of the High-Risk, High-Reward Research program of the NIH Common Fund.</td>
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<td><strong>Award:</strong> Awards will be for $700,000 in direct costs per year, plus applicable Facilities and Administrative (F&amp;A) costs. The project period is limited to five years.</td>
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Merck | Perioperative Care -- Investigator Studies Program (MISP) |
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<td><strong>Deadline:</strong> September 4, 2018</td>
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<td><strong>Description:</strong> Aims to advance science and improve patient care by supporting, through the provision of drug/vaccine and/or total/partial funding, high-quality research that is initiated, designed, implemented and sponsored by external investigators. 5 review cycles: Full Submission w/Detailed Budget due: January 1, March 1, May 1, July 2 Corresponding Final Protocol Submissions due: Feb 16, April 13, June 15, August 17, October 19.</td>
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<td><strong>Funding:</strong> Not provided</td>
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</table>
**Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found at [http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx](http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx)

**Funding:** $6.25 MM in direct costs over 5 year

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<tr>
<th>NIH Director's Early Independence Award (DP5 - Clinical Trial Optional)</th>
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<td><strong>Deadline:</strong> September 27, 2018</td>
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<tr>
<td><strong>Description:</strong> RFA-RM-18-010: Supports exceptional investigators who wish to pursue independent research essentially directly after completion of their terminal doctoral/research degree or end of post-graduate clinical training, forgoing the traditional post-doctoral training period and accelerating entry into an independent research career. Applications are welcome from individuals of diverse backgrounds and perspectives.</td>
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<td><strong>Funding:</strong> $250,000 in direct costs per year, plus applicable F&amp;A costs</td>
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<tr>
<th>Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation Medical Research Grant</th>
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<tr>
<td><strong>Deadline:</strong> September 30, 2018</td>
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<tr>
<td><strong>Description:</strong> Seek highly innovative and groundbreaking medical research proposals in both basic biological and applied research that will have the greatest impact on scientific knowledge and human health. Proposals should be distinctive and novel in their approaches, question the prevailing paradigm, and lead to advancement of knowledge in the field.</td>
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<tr>
<td><strong>Funding:</strong> No limit specified. Grants range from $212k - $3 MM</td>
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<th>Regenerative Medicine Minnesota Grants</th>
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<td><strong>Deadline:</strong> Anticipated October, 2018</td>
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<tr>
<td><strong>Description:</strong> Applicants should be performing scientific and/or medical research in Minnesota. PI’s can be at any professional rank. RMM seeks research projects that focus on optimizing the body’s own ability to heal. Relevant fields include cell and developmental biology, regenerative pharmacology and immunology, medicine and surgery, biotechnology, bioengineering, genetics, and other fields that develop ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has interest in broadening the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs in MN, for example, kidney disease requiring dialysis, COPD, and diabetic and other non-healing wounds.</td>
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<td><strong>Funding:</strong> $250,000 ($125,000 per year for 2 years)</td>
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<th>NIH R01 NIH Research Project Grant Program</th>
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<tr>
<td><strong>Deadline:</strong> October 5, 2018</td>
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<td><strong>Description:</strong> The R01 is the original and oldest grant mechanism used by NIH, it provides support for health-related research and development based on the mission of the NIH. R01s can be investigator-initiated or can be solicited via a Request for Applications. The R01 research plan proposed by the applicant must be related to the stated program interests of one or more of the NIH Institutes and Centers based on their missions. The R01 is an award made to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in an area representing the investigator's specific interest and competencies, based on the mission of the NIH.</td>
</tr>
<tr>
<td><strong>Funding:</strong> Determined by FOA</td>
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Addressing Chronic Wound Trajectories Through Social Genomics Research R01- Clinical Trial Optional

Deadline: October 5, 2018

Description: PA-17-492 To stimulate clinical research that applies a social genomics approach to chronic wound risk, presence, progression, and healing. The field of social genomics focuses on how the social environment influences gene expression, and how this gene expression may in turn impact health outcomes. Chronic wounds (e.g., diabetic ulcers, venous or arterial ulcers) are multidimensional and, as such, there is benefit to a holistic approach that goes beyond a focus on the wound (i.e., repairing the skin and underlying tissue) to include an approach that focuses on the person with the wound. A better understanding of social environmental factors (positive and negative) and associated molecular mechanisms is needed to advance therapeutic strategies aimed at reducing chronic wound risk in addition to improving healing outcomes and quality of life.

Funding: Not limited

Prevention Research in Mid-Life Adults (R01 Clinical Trial Optional)

Deadline: October 5, 2018

Description: Seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and well-being as individuals age and prevent illness and disability in later years. Although the study of mid-life has increased somewhat over the years, middle-aged adults have frequently been omitted from research on adult development and aging. Closing the research gap in the middle of the life course will help us to further our understanding of life course health trajectories, with potential concomitant benefits for the welfare of younger and older individuals who depend on this age group.

Funding: Not limited

K08/K23 Mentored NIH Career Development Award

Deadline: October 12, 2018

Description: The purpose of this program is to prepare clinically trained individuals for careers that have a significant impact on the health-related research needs. This program provides support and protected time for an intensive, supervised research career development experience in the fields of biomedical, behavioral, or clinical research, including translational research.

Funding: Determined by FOA

R21 Exploratory/Developmental Research Grant Award

Deadline: October 16, 2018

Description: Intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development. The NIH has standardized the Exploratory/Developmental R21 application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) grant applications.

Funding: Determined by FOA

Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)

Deadline: October 16, 2018

Description: Supports small research projects that can be carried out in a short period of time with limited resources. The NIH has standardized the R03 application characteristics, requirements, and review procedures in order to accommodate investigator-initiated (unsolicited) applications.

Funding: $100,000 ($50,000 per year for 2 years)

Prevention Research in Mid-Life Adults (R21 Clinical Trial Optional)

Deadline: October 16, 2018
Description: PA-18-850: Seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and well-being as individuals age and prevent illness and disability in later years. Although the study of mid-life has increased somewhat over the years, middle-aged adults have frequently been omitted from research on adult development and aging. Closing the research gap in the middle of the life course will help us to further our understanding of life course health trajectories, with potential concomitant benefits for the welfare of younger and older individuals who depend on this age group.

Funding: The combined budget for direct costs for the two year project period may not exceed $275,000. No more than $200,000 in direct costs may be requested in any single year.

NIH R21 Exploratory/Developmental Research Grant Award

Deadline: October 16, 2018

Description: Intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development. NIH has standardized the R21 application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) grant applications. The FOA for investigator-initiated R21 applications can be found at PA-16-161 and articulates the policies and procedures that apply to this grant mechanism.

Funding: Determined by FOA

The Gerber Foundation Novice Researcher Program

Deadline: Concept Paper: November 15; Proposal: February 15

Description: Provides small grants for new researchers focused on infant/early childhood health and nutrition. Eligibility: MDs, PhDs, in a residency or fellowship training program—no more than 1 year post training who have not received an NIH K Award. Projects are conducted under a mentor

Funding: $20,000

Broad Medical Research Program

Deadline: No deadline

Description: There is a two-step process for requesting funding from the Broad Medical Research Program for Inflammatory Bowel Disease: The first step is to submit a Letter of Interest. If the BMRP is interested in pursuing a project, an invitation is extended to submit. Grants are available for proposals that will lead to improvements in the prevention, diagnosis or therapy of Crohn’s disease or ulcerative colitis. Soliciting proposals in two areas of research: Differences in IBD incidence between developing and developed countries. The BMRP is funding research into the possible reasons for low and high incidence of IBD in different areas of the globe. Proposals should be exploratory in nature or designed as pilot. Shed light on factors that may influence low versus high global areas of prevalence of the disease and should ultimately be helpful in improved understanding of the etiology of IBD and the factors that enhance or prevent the genesis of the disease. IBD and Diabetes Mellitus. Interested in early stage exploratory innovative proposals to investigate the similarities and differences between inflammatory bowel diseases and diabetes mellitus.

Funding: Not limited

Department of Defense USAMRMC FY18-FY22 Broad Agency Announcement for Extramural Medical Research

Deadline: Open October 2017-September 30, 2022

Description: W81XWH18SBAA1: USAMRMC mission is to provide solutions to medical problems of importance to the American Service member at home and abroad, as well as to the general public at large. The scope of the effort and the priorities attached to specific projects are influenced by changes in military and civilian medical science and technology, operational requirements, military threat assessments, and national defense strategies. Extramural research and development programs play a vital role in the fulfillment of the objectives established by the USAMRMC. General information on the USAMRMC can be obtained at http://mrmc.amedd.army.mil/. BAA is intended to solicit extramural research and development ideas as implemented in Federal Acquisition Regulation (FAR) 6.102(d)(2) projects funded under the BAA must be for basic and applied research to support scientific study and experimentation directed towards advancing the state of the art or increasing knowledge or
understanding rather than focusing on development of a specific system or hardware solution. R & D funded through the BAA are intended & expected to benefit and inform both military and civilian medical practice and knowledge.

Funding: Unannounced

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<thead>
<tr>
<th><strong>Genentech Foundation</strong></th>
<th><strong>Scientific Project Support Fellowships</strong></th>
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<tbody>
<tr>
<td><strong>Deadline:</strong> Unavailable</td>
<td><strong>Description:</strong> Supporting programs open to a broad audience that benefit patients, the scientific or medical community, and/or public health providing funding for general research, translational research, other research or development projects, and/or other initiatives of research organizations, labs, and academic institutions. Collaborations, clinical trials and associated correlative research involving or undertaken in relation to Genentech or Roche products (whether investigational and/or approved for other uses) are excluded from this type of support. Genentech may consider an international program if the majority is U.S. physicians and the organization requesting the funding is located in the U.S.</td>
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<tr>
<td><strong>Funding:</strong> Request Funding</td>
<td><strong>Funding:</strong> Unannounced</td>
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<tr>
<th><strong>The Mayday Fund</strong></th>
<th><strong>Research Bench to Bedside</strong></th>
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<tr>
<td><strong>Deadline:</strong> No deadline</td>
<td><strong>Description:</strong> The fund is interested in projects that result in clinical interventions to reduce the toll of physical pain, pediatric pain, pain in non-verbal populations, and pain in the context of emergency medicine. Seek projects that hold the promise of innovative clinical applications. We look to seed translational research to expand the scope and reach of pain treatments.</td>
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<td><strong>Funding:</strong> Recent grants range from $10,000-$450,000</td>
<td><strong>Funding:</strong> Request Funding</td>
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<tr>
<th><strong>Immune Tolerance Network</strong></th>
<th><strong>Clinical Trials in Immune Tolerance</strong></th>
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<tr>
<td><strong>Deadline:</strong> No deadline</td>
<td><strong>Description:</strong> Accepts Concept Proposals year-round for clinical trials with testable hypotheses that are designed to induce immune tolerance in allergy and asthma, autoimmune disease, transplantation and type 1 diabetes. Accepts proposals for the development of novel tolerance assays or mechanistic studies for the purposes of establishing surrogate biomarkers of immune tolerance and investigating mechanisms of clinical tolerance.</td>
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<tr>
<td><strong>Funding:</strong> Not limited</td>
<td><strong>Funding:</strong> Not limited</td>
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<tr>
<th><strong>Social/Societal Funding Opportunities</strong></th>
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**Disparities/Diversity**

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<tr>
<th><strong>NIH, NIDDK</strong></th>
<th><strong>Small Grants for New Investigators to Promote Diversity in Health-Related Research (R21 Clinical Trial Optional)</strong></th>
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<tbody>
<tr>
<td><strong>Deadline:</strong> October 16, 2018</td>
<td><strong>Description:</strong> PAR-18-102: To provide support for New Investigators from backgrounds nationally underrepresented in biomedical and behavioral research to conduct small research projects in the scientific mission areas of the NIDDK. The R21 is intended to support small research projects that can be carried out in a short period of time with limited resources and seeks to facilitate the transition to research independence of New Investigators from backgrounds underrepresented in the biomedical and behavioral sciences. The R21 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.</td>
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<td><strong>Funding:</strong> $350,000 (over 5 years)</td>
<td><strong>Funding:</strong> $350,000 (over 5 years)</td>
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<tr>
<th><strong>Patient-Centered Outcomes Research Institute (PCORI)</strong></th>
<th><strong>Addressing Disparities</strong></th>
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<tr>
<td><strong>Deadline:</strong> October 31, 2018 Letter of Intent Due. February 6 2019 Application Due</td>
<td><strong>Deadline:</strong> October 31, 2018 Letter of Intent Due. February 6 2019 Application Due</td>
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</table>
Description: PCORI seeks to fund studies that provide evidence to help guide decisions about how to eliminate disparities in health and health care, as well as how to ensure that people receive care according to their needs and have the opportunity to achieve the best possible health outcomes. PCORI invites applications for clinical comparative effectiveness research (CER) designed to evaluate and compare interventions intended to reduce or eliminate disparities in health and health care. Patients, caregivers, and clinicians often lack the appropriate evidence required to make the best choices regarding prevention, screening, diagnosis, monitoring, or treatment. Should focus on overcoming barriers that may disproportionately affect health outcomes or focus on identifying best practices for reducing disparities in target populations (racial and ethnic minority groups; low-income groups; residents of rural areas; individuals with special healthcare needs, including individuals with disabilities; patients with low health literacy/numeracy and/or limited English proficiency; and lesbian, gay, bisexual, and transgender [LGBT] persons).

The health disparities literature has been devoted to describing disparities, including identifying their potential sources and drivers. Previous research has identified pervasive disparities in access to high-quality health care and worse health outcomes for specific populations across multiple conditions and settings, outcomes that are based on race/ethnicity, gender, geographic location, socioeconomic status, disability, and other factors. PCORI’s Addressing Disparities Program is seeking applications that compare evidence-based interventions to improve health outcomes and reduce disparities for target populations. The Program is interested in funding CER of evidence-based interventions aimed at reducing and eliminating disparities in health and health care. Interventions to reduce persistent disparities have been understudied and are multifactorial, complex, and context-specific. Often, evidence-based interventions have been shown to be effective in the general population but lack evidence for effectiveness in populations at risk for disparities. The Program is interested in studies that tailor and test these types of interventions in these populations and seeks to fund investigator-initiated research that: - Compares evidence-based interventions to reduce or eliminate disparities in patient-centered outcomes (PCOs), including health, health care, and patient-reported outcomes--e.g., by accounting for possible differences at the patient, provider, or systems level, we are interested in research to determine which interventions can be most effective for eliminating disparities in outcomes - Compares benefits and risks of treatment, diagnostic, prevention, or service options, with a focus on eliminating disparities - Compares and identifies practices for tailoring evidence-based interventions to patient populations at risk for disparities

Funding: Total Direct Costs $2 million (small studies) or $5 million (large studies) Funds Available Up To $8 million Maximum Project Period 3 years (small studies) or 4 years (large studies)

NIH, HHS Extramural Loan Repayment Program for Health Disparities Research (LRP-HDR)
Deadline: Anticipated November 15, 2018
Description: Each of the extramural LRPs provide for the repayment of educational loan debt of up to $35,000 annually for qualified health professionals performing research within the mission of NIH at domestic, nonprofit, or government entities. The objective of the LRP-HDR is to recruit and retain highly qualified health professionals into research careers that focus on minority health disparities or other health disparities. The Program serves as an avenue for NIH and the National Institute on Minority Health and Health Disparities (NIMHD) to engage and promote the development of research and research programs that reflect the variety of issues and problems associated with disparities in health status. This requirement highlights the need for the involvement of a cadre of culturally competent health professionals in minority health disparities and other health disparities research. Research focused on diseases or conditions more prevalent or associated with greater morbidity/mortality in one or more minority health disparity or other health disparity population, without the proposed work itself being focused on improving minority health disparities or other health disparities, is not considered health disparities research.

The following populations have been designated as health disparity populations: Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities. Health Disparities Research means basic, clinical, social, or behavioral research on health disparity populations (including individual members and communities of such populations) that relates to health disparities, including the causes of such disparities and methods to prevent, diagnose, and treat such disparities. Minority Health Disparities Research is defined as basic, clinical, or behavioral research on minority health conditions, including research to prevent, diagnose, and treat such conditions. Minority Health Conditions means all diseases, disorders, and other conditions (including mental health and substance abuse) that are unique to, more serious, or
more prevalent in members of minority groups (racial or ethnic minority groups), for which the medical risk or types of medical intervention may be different for members of minority groups, or for which it is unknown whether such factors or types are different for such individuals, or research involving such populations as subjects or data on such individuals is insufficient.

**Funding:** Up to $35,000 annually of a researcher's qualified educational debt in return for a commitment to engage in NIH mission-relevant research at a domestic, nonprofit, or government entity.

### Women

**American Medical Association**

**Deadline:** July 31, 2018  
**Description:** The American Medical Association (AMA) Foundation in association with the AMA Women Physicians Section (WPS) has established the Joan F. Giambalvo Fund for the Advancement of Women with the goal of promoting women in the medical profession and strengthening the ability of the AMA to identify and address the needs of women physicians and medical students. Eligibility: The PI or the co-principal investigator listed on the Giambalvo application must be a medical student or a physician (MD or DO). Students who are pursuing a MD or DO and are enrolled in accredited medical schools in the US. Applicants/awardees shall be working alone or collaboratively on the specific research project. AMA membership is not required in order to be eligible for this award. Proposals will be evaluated and awardee(s) selected based on a variety of factors, including, but not limited to: the innovation, quality and/or feasibility of the idea; project/research methodology; potential to produce action, change or more comprehensive studies; and career goals of the applicant. The recipient may request that the AMA Foundation issue the award funds to his/her employer or affiliated organization so long as the funds are used for the recipient's research project.  
**Funding:** $10,000

**Society for Academic Emergency Medicine (SAEM), SAEM Foundation**

**Women in Academic Emergency Medicine Research Grant**  
**Deadline:** August 1, 2018  
**Description:** To support one early career investigator (fellow, instructor, assistant professor) who wishes to address a research question in line with the core ideology of the Academy of Women in Academic Emergency Medicine. This award is intended to allow for preliminary data collection, analysis or collection of pilot data that will further support greater research endeavors.

**AWAEM CORE IDEOLOGY**  
A. To enhance the recruitment, promotion, and retention of women in academic emergency medicine throughout their careers. To supply our members with readily available materials to promote professional development and notify them of leadership opportunities both within Emergency Medicine and schools of medicine. To support women in academic Emergency Medicine through recognition of their accomplishments, mentorship and networking, and by promoting collaboration both among the AWAEM membership as well as other national medical organizations.  
B. To identify gender gaps and organizational practices that hamper the advancement of women emergency medicine practitioners and researchers and also address these issues through the development and promotion of best practices and career strategies for women in Emergency Medicine.

**Funding:** $5,000

**Thoracic Surgery Foundation (TSF)**

**Nina Starr Braunwald Research Award**  
**Deadline:** September 15, 2018
**Description:** Nina Starr Braunwald, MD was the first woman to conduct open heart surgery. This award provides operational support of original research efforts by women cardiac surgeons who have completed formal training, and are seeking initial support and recognition for their research program. Awards are made to support the work of an early-career woman cardiac surgeon.

**Funding:** $80,000 ($40,000 per year for up to two years)

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<thead>
<tr>
<th>Thoracic Surgery Foundation (TSF)</th>
<th>Nina Starr Braunwald Research Fellowship Award</th>
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<td><strong>Deadline:</strong> September 15, 2018</td>
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<td><strong>Description:</strong> Designed to provide salary and/or direct experimental support for <strong>women cardiac surgical trainees</strong> who wish to acquire investigational skills. A specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Additional criteria include the probability of successful project completion and an assessment of the importance of the particular educational effort toward the advancement of cardiac surgery.</td>
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<tr>
<td><strong>Funding:</strong> $60,000 ($30,000 per year for up to two years)</td>
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<tr>
<th>Alpha Phi Foundation</th>
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<td><strong>Deadline:</strong> Anticipated November 1, 2018</td>
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<td><strong>Description:</strong> Through its annual Heart to Heart Grant, the Foundation helps fund research and educational programs that support the <em>improvement of women's heart health.</em></td>
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<td><strong>Funding:</strong> $100,000</td>
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<tr>
<th>American Association of University Women Education Foundation (AAUW)</th>
<th>American Postdoctoral Research Leave Fellowships</th>
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<td><strong>Deadline:</strong> Anticipated November 15, 2018</td>
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<tr>
<td><strong>Description:</strong> Designed to assist scholars in obtaining tenure and other promotions by enabling them to spend a year pursuing independent research. The primary purpose of the fellowship is to increase the number of women in tenure-track faculty positions and to promote equality for women in higher education. This fellowship is designed to assist the candidate in obtaining tenure and further promotions by enabling her to spend a year pursuing independent research.</td>
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<tr>
<td><strong>Funding:</strong> $30,000</td>
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### Outcomes Research/PCORI/Improved Patient Care

**Patient-Centered Outcomes Research Institute (PCORI)**

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<tr>
<th><strong>Research Award</strong></th>
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<tr>
<td><strong>Deadline:</strong> September 25, 2018; <strong>LOI:</strong> June 28, 2018</td>
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<td><strong>Description:</strong> Aims to fund studies that address high-priority methodological gaps in patient-centered outcomes research (PCOR) PCOR and Comparative Clinical Effectiveness Research (CER) Studies that compare outcomes to determine the effectiveness, including risks and benefits, of two or more approaches to health care CER Methods and Infrastructure. Studies to improve the methods available for patient-centered CER. Development of a large, highly representative electronic-data infrastructure, called PCORnet, for improving the conduct of patient-centered CER.</td>
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<td><strong>Funding:</strong> $750,000 (over three years)</td>
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**Patient-Centered Outcomes Research Institute (PCORI)**

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<tr>
<th><strong>Research Dissemination and Implementation Award</strong></th>
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<td><strong>Deadline:</strong> September 25, 2018; <strong>LOI:</strong> June 28, 2018</td>
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<tr>
<td><strong>Description:</strong> Implementation of Effective Shared Decision Making Approaches in Practice Settings - Cycle 2 2018</td>
</tr>
<tr>
<td><strong>Funding:</strong> $1,500,000</td>
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University of Minnesota Department of Surgery Research Funding Opportunities

Association of American Medical Colleges (AAMC)

**AΩA Edward D. Harris Professionalism Award**

**Deadline:** October 1, 2018  
**Description:** To recognize best practices in medical professionalism education. Alpha Omega Alpha is seeking nominations for ongoing programs in medical schools that represent best practices in the teaching and learning of medical professionalism. Individuals or teams may apply. Programs should include medical students, residents, faculty, and other health care team members and show evidence of effectiveness, sustainability; and be exportable to other medical institutions.  
**Funding:** $10,000

**Patient-Centered Outcomes Research Institute (PCORI)**

**Addressing Disparities**

**Deadline:** October 31, 2018 Letter of Intent Due. February 6 2019 Application Due  
**Description:** PCORI seeks to fund studies that provide evidence to help guide decisions about how to eliminate disparities in health and health care, as well as how to ensure that people receive care according to their needs and have the opportunity to achieve the best possible health outcomes. PCORI invites applications for clinical comparative effectiveness research (CER) designed to evaluate and compare interventions intended to reduce or eliminate disparities in health and health care. Patients, caregivers, and clinicians often lack the appropriate evidence required to make the best choices regarding prevention, screening, diagnosis, monitoring, or treatment. Applications to the Addressing Disparities Program should focus on overcoming barriers that may disproportionately affect health outcomes or focus on identifying best practices for reducing disparities in target populations (racial and ethnic minority groups; low-income groups; residents of rural areas; individuals with special healthcare needs, including individuals with disabilities; patients with low health literacy/numeracy and/or limited English proficiency; and lesbian, gay, bisexual, and transgender [LGBT] persons).  

The health disparities literature has been devoted to describing disparities, including identifying their potential sources and drivers. Previous research has identified pervasive disparities in access to high-quality health care and worse health outcomes for specific populations across multiple conditions and settings, outcomes that are based on race/ethnicity, gender, geographic location, socioeconomic status, disability, and other factors. PCORI's Addressing Disparities Program is seeking applications that compare evidence-based interventions to improve health outcomes and reduce disparities for target populations. The Program is interested in funding CER of evidence-based interventions aimed at reducing and eliminating disparities in health and health care. Interventions to reduce persistent disparities have been understudied and are multifactorial, complex, and context-specific. Often, evidence-based interventions have been shown to be effective in the general population but lack evidence for effectiveness in populations at risk for disparities. The Program is interested in studies that tailor and test these types of interventions in these populations and seeks to fund investigator-initiated research that: - Compares evidence-based interventions to reduce or eliminate disparities in patient-centered outcomes (PCOs), including health, health care, and patient-reported outcomes--e.g., by accounting for possible differences at the patient, provider, or systems level, we are interested in research to determine which interventions can be most effective for eliminating disparities in outcomes - Compares benefits and risks of treatment, diagnostic, prevention, or service options, with a focus on eliminating disparities - Compares and identifies practices for tailoring evidence-based interventions to patient populations at risk for disparities  
**Funding:** Total Direct Costs $2 million (small studies) or $5 million (large studies) Funds Available Up To $8 million Maximum Project Period 3 years (small studies) or 4 years (large studies)

Robert Wood Johnson Foundation

**Evidence for Action: Investigator-Initiated Research to Build a Culture of Health**

**Deadline:** No Deadline  
**Description:** Evidence for Action (E4A), a national program of the Robert Wood Johnson Foundation, funds research that expands the evidence base needed to build a Culture of Health. Supports quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs and partnerships. We are especially interested in research
examining the health impacts of programmatic or policy interventions that address factors outside the domain of health care services or public health practice.

**Funding:** Request the amount needed for your project. Grant periods up to 36 months.

**Genentech Foundation (A member of the Roche Group)**

**Scientific Project Support Fellowships**

**Deadline:** Not Available

**Description:** Supporting programs open to a broad audience that benefit patients, the scientific or medical community, and/or public health providing funding for general research, translational research, other research or development projects, and/or other initiatives of research organizations, labs, and academic institutions. Collaborations, clinical trials and associated correlative research involving or undertaken in relation to Genentech or Roche products (whether investigational and/or approved for other uses) are excluded from this type of support.

**Funding:** Request Funding

**Merck**

**Perioperative Care -- Investigator Studies Program (MISP)**

**Deadline:** 
- Full Protocol Submission w/ Budget: January 1, March 1, May 1, July 2, September 4
- Corresponding Final Protocol Submissions: Feb 16, April 13, June 15, August 17, October 19

**Description:** The Investigator Studies Program aims to advance science and improve patient care by supporting, through the provision of drug/vaccine and/or total/partial funding, high-quality research that is initiated, designed, implemented and sponsored by external investigators. Results will be generated and properly disseminated in peer-reviewed publications. 5 review cycles in 2018.

**Funding:** Not Provided

**Association for Academic Surgery**

**AAS/AASF Global Surgery Research Fellowship Award**

**Deadline:** August 6, 2018

**Description:** For residents and fellows engaged in global health surgical research interested in advancing Global Surgery through research, including proposals aimed at further defining or reducing the global burden of surgical disease (on a community, institutional or regional basis); proposals aimed at defining existing human and material resources available for surgical care in LMIC; proposals outlining the ability of surgical treatment to prevent death/disability in resource-poor settings; aimed at identifying strategies for instituting/improving surgical care or capacity in resource-poor settings; proposals aimed at preventative interventions for surgical disease; and/or aimed at advancing surgical education or manpower in areas of limited resources. Identification and definable participation of local/on-site partners in the collaborating country is required. Must be a candidate or active AAS member, residents or fellows, currently enrolled in an accredited training program and have completed two years of postgrad training in a surgical discipline.

**Funding:** $20,000

**Spencer Foundation**

**Small Research Grants**

**Deadline:** August 1 and November 1, 2018

**Description:** Aims to fund academic work that will contribute to the improvement of education, broadly conceived. Grant funding has spanned a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and they employ a wide range of research methods.

**Funding:** $50,000
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<thead>
<tr>
<th>The Society for Academic Emergency Medicine Foundation</th>
<th>Education Project Grant</th>
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<tr>
<td><strong>Deadline:</strong> August 1, 2018</td>
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<tr>
<td><strong>Description:</strong> Strives to foster innovation in teaching, education, and educational research in emergency medicine for faculty-, fellow-, resident- and medical student-level learners. The mission of the grant is to provide support for a medical education research project. The education project grant is expected to: Be novel, innovative, measurable and reproducible. Whenever possible and applicable, the project’s value should be compared to an existing “gold standard” educational measurement. If no clear “gold standard” exists, the measurement of its value should be an objective clinically or educationally relevant outcome. Projects may have qualitative and/or quantitative measurement components. Provide a product that can be used by educators within SAEM and emergency medicine. Be relevant to the practice of emergency medicine. Address teaching and education in emergency medicine. Applicant must be a member of SAEM in good standing at application deadline.</td>
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<td><strong>Funding:</strong> Up to $20,000 per year</td>
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<thead>
<tr>
<th>NIH</th>
<th>NINDS Research Education Opportunities</th>
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<tr>
<td><strong>Deadline:</strong> August 27, 2018</td>
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<tr>
<td><strong>Description:</strong> PAR-18-782: To encourage applications for the initiation or continuation of nationally-available neuroscience research education programs that will significantly advance the mission of NINDS. The primary focus of programs submitted should be on intensive hands-on experience that will provide research experience, an in depth understanding of techniques and analytic approaches and expertise that is only possible with a nationally-organized program. Within the context of gaining expertise primarily through hands-on experience, programs may include immersive coursework and expert discussion when appropriate. Programs appropriate for this FOA must include participants from a nationally recruited cohort, selected through an application process by a well-balanced leadership committee.</td>
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<td><strong>Funding:</strong> $250,000</td>
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<tr>
<th>NIH</th>
<th>Research Education: Bridges to the Doctorate (R25)</th>
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<tr>
<td><strong>Deadline:</strong> September 25, 2018</td>
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<tr>
<td><strong>Description:</strong> PAR-17-209: Supports research education activities to support educational activities that enhance the diversity of the biomedical research workforce. Supports creative educational activities with a primary focus on Courses for Skills Development and Research Experiences. The Bridges to Doctorate Program is to provide educational activities to Master's level students to increase transition to and completion of Ph.D.'s in biomedical sciences. Application must include each educational activity, and describe how they will be synergized to make a comprehensive program. Program requires partnerships between master's degree-granting institutions with doctorate degree-granting institutions.</td>
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<td><strong>Funding:</strong> Application budgets are limited to $300,000 direct costs per year</td>
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<tr>
<th>Regenerative Medicine Minnesota Grants</th>
<th>Discovery Science Grant</th>
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<td><strong>Deadline:</strong> Anticipated October 2018</td>
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<tr>
<td><strong>Description:</strong> Applicants should be performing scientific and/or medical research in Minnesota. PI’s can be at any professional rank. RMM seeks a diverse portfolio of research projects that focus on optimizing the body’s own ability to heal. Relevant fields include cell and developmental biology, regenerative pharmacology and immunology, medicine and surgery, biotechnology, bioengineering, genetics, and other fields that develop ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has interest in broadening the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs in MN, for example, kidney disease requiring dialysis, COPD, and diabetic and other non-healing wounds.</td>
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<tr>
<td><strong>Funding:</strong> $250,000 ($125,000 per year for 2 years)</td>
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<tr>
<th>The Spencer Foundation</th>
<th>Lyle Spencer Research Awards</th>
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<td><strong>Deadline:</strong> Anticipated October 1, 2018</td>
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**Description:** Encourages proposals initiated by scholars across a variety of disciplines and fields in an effort to create much-needed space for creative and ambitious research projects that promise to advance our understanding of educational practice and its improvement. Aims to reinforce our commitment to intellectually ambitious research, oriented ultimately to improving the practice of education, and independent of any particular reform agendas or methodological strictures. We intend to encourage work that is more thoughtful, more critical of prevailing assumptions, more self-critical about their work and its limitations, and more relevant to the aim of building knowledge for improved educational practice.

**Funding:** $100,000- $1,000,000

**Association of American Medical Colleges (AAMC)**

**AΩA Edward D. Harris Professionalism Award**

**Deadline:** October 1, 2018

**Description:** Alpha Omega Alpha is seeking nominations for ongoing programs in medical schools that represent best practices in the teaching and learning of medical professionalism. Individuals or teams may apply. Programs should include medical students, residents, faculty, and other healthcare team members; Show evidence of effectiveness, sustainability; and be exportable to other medical institutions

**Funding:** $10,000

**Burroughs Wellcome Fund (BWF)**

**Career Awards for Medical Scientists (CAMS)**

**Deadline:** October 5, 2018

**Description:** Facilitates transition from a mentored position to independence for the early career physician scientist, supporting biomedical, disease-oriented, or translational research. Eligible candidates hold MD degrees; are no more than 12 years beyond receipt of their most recently earned clinical doctorate degree; must be at the rank of fellow, resident, or postdoctoral researcher with at least two years of postdoc research at time of application. Ideal candidates will be first author on at least one publication, and will have a significant publication record

**Funding:** $700,000 over five years

**Spencer Foundation**

**Small Research Grants**

**Deadline:** November 1, 2018

**Description:** Aims to fund academic work that will contribute to the improvement of education, broadly conceived. Grant funding has spanned a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and they employ a wide range of research methods.

**Funding:** $50,000

**Bayer Educational Grant**

**Bayer Educational Grant**

**Deadline:** Anticipated November 1, 2018

**Description:** Bayer HealthCare will accept the following grant requests on medical and healthcare related educational activities: Healthcare professional education, Patient advocacy and consumer education programs (e.g., disease-state education and awareness, screenings, camps, etc.) Considers factors including: Promotes excellence in patient care, Conducive to an effective and efficient meeting format, Ability to educate the broadest healthcare professional and/or audience at reasonable cost.

**Funding:** Unannounced

**University of Minnesota Department of Family Medicine and Community Health**

**Cancer Related Health Disparities Training Program**

**Deadline:** December 16, 2018

**Description:** The Program seeks to train researchers who are prepared to conduct community-engaged research to develop, test, and disseminate interventions in both clinical and community settings to reduce cancer-related health disparities among underresourced populations and intends to enhance the diversity of the research workforce in this area of study by specifically recruiting individuals from underrepresented or underresourced...
populations. The program is innovative in focusing on education and experience in community-engaged research and on interventions to reduce cancer disparities. It's also innovative in mentorship, in which community members provide cultural mentoring and partnership in all aspects of research. This T32 Program is a joint effort between the University of Minnesota Medical School and School of Public Health. It's funded by the National Cancer Institute, Grant T32 CA163184.

**Funding:** Three postdoctoral positions available for two-year appointments. Stipends are based on current NIH-approved levels and years of postdoctoral experience. There is also support for conference travel and other training experiences.

### American Society for Microbiology (ASM) ASM-IUSSTF Indo-US Professorship in Microbiology

**Deadline:** December 31, 2018

**Description:** Indo-US Professorships seek to broaden scientific collaboration between India and the United States though travel grants that support research and teaching partnerships. Teaching Professorships provide microbiologists in India and the United States with an opportunity to visit institutions in the other country to teach an interactive short course on a topic in any of the microbiological disciplines. Research Professorships provide support to microbiologists in India and the United States to conduct a novel research project in partnership with colleague(s) at a research facility in the other country. Professorship funding is intended to facilitate new research collaborations. Proposals to support pre-existing collaborations or partnerships will not be considered. The application must be made jointly between a hosting institution and the visiting professor. 

*The applicant for Visiting Teaching Professor must*
- be scientifically recognized in his/her area of microbiological expertise as demonstrated through courses taught, awards, publications, etc.
- be actively engaged in teaching at the post-secondary level at an accredited university.
- demonstrate commitment to international collaborations and partnerships; and
- be an citizen of either the United States or India.

*The applicant for Visiting Research Professor must*
- be actively involved in research in the microbiological sciences (broadly defined) and
- be an citizen of either the United States or India

Preference will be given to early career scientists who have obtained a PhD, or other equivalent academic degree, within the past 10 years.

**Funding:** Up to $5,000 towards travel costs directly associated with the approved grant. Funds from the Indo-US Professorship Grant must be matched by the hosting institution. Matching funds may be in-kind contributions such as housing and board for the visiting professor, supplies, facilities, administrative support, etc.

### Global Education

#### Paul Farmer Global Surgery Research Fellowship

**Deadline:** Summer of 2018

**Description:** Research Fellowship Application begins accepting applications for the 2019-2021 Research Fellowship in the summer of 2018. The purpose of the Fellowship is to train leaders who will further promote surgical care, education, and research in the field of global surgery in resource poor settings around the world. Fellows will also develop academic, clinical, and administrative skills in global surgery, public health, surgical systems development, and humanitarian aid. The hallmark and priority of this program is to provide Fellows the opportunity to learn the research and business management skills necessary to develop and manage surgical care delivery and research in low and middle income countries. The main focus of the Paul Farmer Global Surgery Fellowship curriculum revolves around education, research, and the provision of surgical care. Fellows are expected to work collaboratively and participate in the education and training of other residents and medical students as part of the Global Surgery Team. [Research Fellow Description](#)

#### Paul Farmer Global Surgery Fellowship Visiting Graduate Student

**Deadline:** Summer 2018
**Description**: Visiting Graduate Student Application begins accepting applications for the 2019-2020 Visiting Graduate Student track in the summer of 2018. Addressing the burden of surgical disease across the globe through a combination of surgical training, research, and advocacy efforts that focus on the needs of low- and middle-income countries. Current efforts include building surgical and research capacity with our international collaborators in Haiti, Sub-Saharan Africa, India, the Middle East, and South America. We work closely with Partners in Health and local sister organizations to study and address global surgery needs. Global Surgery Visiting Graduate Students will be appointed for a period of one year within the fellowship program. Graduate Students must be internally motivated, dedicated, possess experience working in multidisciplinary teams, have the capacity to communicate with internal and external collaborators, and be flexible. The Graduate Student will work with surgical residents, fellows and faculty conducting global surgery research, advocacy, and capacity building projects. He or she must be willing to travel internationally to aid in these processes. Learning opportunities include an introduction to global health and global surgery, as well as research and public health experience. [Visiting Graduate Student Description](#)

**American Society for Microbiology (ASM)**

**Description**: ASM-IUSSTF Indo-US Professorship in Microbiology

**Deadline**: December 31, 2018

**Description**: Indo-US Professorships seek to broaden scientific collaboration between India and the United States though travel grants that support research and teaching partnerships. Teaching Professorships provide microbiologists in India and the United States with an opportunity to visit institutions in the other country to teach an interactive short course on a topic in any of the microbiological disciplines. Research Professorships provide support to microbiologists in India and the United States to conduct a novel research project in partnership with colleague(s) at a research facility in the other country. Professorship funding is intended to facilitate new research collaborations. Proposals to support pre-existing collaborations or partnerships will not be considered. The application must be made jointly between a hosting institution and the visiting professor.

- **The applicant for Visiting Teaching Professor must**
  - be scientifically recognized in his/her area of microbiological expertise as demonstrated through courses taught, awards, publications, etc.
  - be actively engaged in teaching at the post-secondary level at an accredited university.
  - demonstrate commitment to international collaborations and partnerships; and
  - be an citizen of either the United States or India.

- **The applicant for Visiting Research Professor must**
  - be actively involved in research in the microbiological sciences (broadly defined) and
  - be an citizen of either the United States or India

Preference will be given to early career scientists who have obtained a PhD, or other equivalent academic degree, within the past 10 years.

**Funding**: Up to $5,000 towards travel costs directly associated with the approved grant. Funds from the Indo-US Professorship Grant must be matched by the hosting institution. Matching funds may be in-kind contributions such as housing and board for the visiting professor, supplies, facilities, administrative support, etc.

**Independent Medical Education**

**Ethicon**

**Description**: Ethicon provides education grants to support third-party medical education programs for U.S.-Based Health Care Professionals and Entities (HCPEs), this includes accredited and non-accredited programs that relate to disease states, conditions, and treatments relevant to company interests. Grants may be monetary, product in kind, or both. Each request is individually evaluated for compliance with education grant criteria, available budget and mission.

**Novartis**

**Description**: Novartis Office of Grants and Education (NOGE) and the Novartis Oncology Office of Grants and Education (OGE) supports high quality educational programs for healthcare professionals that will improve patient care and which are fully compliant with all legal, regulatory and
Novartis guidelines. Consistent with Federal Law and ethical standards under which Novartis Pharmaceuticals Corporation conducts business, grants must never be linked to prescribing, purchasing, formulary status or reimbursement. Any grant requests for activities taking place within the U.S., or including U.S.HCPs as participants must be submitted to NOGE/OGE for review and consideration. As a commitment to improving patient care, NOGE and OGE will evaluate educational grant requests that are independent of commercial bias and non-promotional in nature. Educational grants can be requested to support live events, web-based education, or enduring medical educational material. NOGE and OGE will accept grant requests for professional medical education programs from Academic medical centers, medical universities NOGE will evaluate grant requests for support of Research Fellowships(for Residents and Fellows) submitted by professional medical associations/societies and medical institutions. Fellowship award recipients should not have already been chosen. Oncology (OGE) will accept requests for funding of Professional Medical Sponsorships which include fellowships, research or merit awards, non-educational closed research meetings, and professional society membership dues. Components of a Complete Grant Request (General Criteria for Grants)

Request is submitted at least 60 days prior to program start date

**Pfizer**

**Application Periods & Clinical Areas of Interest**

**Description:** For purposes of Pfizer's funding of external, independent, not-for-profit organizations, programs eligible for Healthcare Charitable Contributions are limited to the following: 1) patient education, including health screening; 2) patient advocacy for disease awareness, and 3) patient access to care (e.g., transportation costs). Requests for healthcare charitable contributions must be submitted according to the quarterly schedule noted below:

Application Cycle: Mar 1, 2018 - April 15, 2018; June 1, 2018 - July 15, 2018; September 1, 2018 - September 30, 2018

**Bristol-Myers Squibb.**

**Guidelines - Monitor for current RFP's**

**Description:** To advance excellence in global healthcare through expertise in medical education and strategic support of evidence-based educational activities in Bristol-Myers Squibb disease areas of focus that measure improvements in professional competence, performance, and patient outcomes. Accepts applications from organizations with a health-related public mission and/or patient focus, hospitals or other similar healthcare facilities, community health centers, medical or other professional societies

RFPs will be published throughout the year.

**Teleflex**

**Research Grant and Support Request Form**

**Description:** Teleflex is committed to supporting educational endeavors that are consistent with our mission to improve health outcomes. Medical education grants for the following categories: Continuing Medical Education programs presented by accredited providers, Education programs for Health Care Professionals, Medical Society Sponsored programs. Guidelines for Medical Education Grants: Educational focus, Independence, Balance, Broad Audience.

**Astellas Independent Medical Education**

**Independent Medical Education**

**Description:** Supports two types of grants: Spontaneous Submissions. *Professional continuing medical education, which may or may not integrate patient education that is high-quality, unbiased, evidence-based, and independently developed. *Independent scientific and career development awards administered by national level professional medical associations and organizations. Astellas is accepting applications in the following areas: Cardiology – Medical Imaging, Transplantation/Immunology, Infectious Disease, Fungal and CMV, Oncology, AML and Prostate Cancer, Urology, Over Active Bladder.

**Sanofi US**

**Description:** Sanofi US is committed to funding high quality educational activities and materials in the therapeutic areas of interest to the company that have the potential to improve patient care and health outcomes. The purpose of an educational grant is to support an activity that encourages an educational interchange with respect to available scientific and medical information. Educational activities may or may not be accredited. Grants
may be given for live educational activities, as well as educational publications and other types of enduring materials, provided that the activities or materials are advertised and open to a broad audience beyond members of the requesting institution. Fellowships or career development awards may be considered in limited circumstances.

**INSMED**

**Description:** To support local and regional independent education by receiving grant requests that align with the specifications outlined below. Therapeutic Area: Non-Cystic Fibrosis Nontuberculous Mycobacterial Lung Disease: Educational format & scope CME/CE accredited local and regional activities organized by hospitals, academic medical centers, or medical societies/chapters. Accepted on an ongoing basis. A maximum of $50,000 will be considered per request. Submission of grant requests with multiple sources of funding support is encouraged. Intended audience: Education should address the needs of clinicians who have a role in the diagnosis and treatment of patients with NTM-LD, including pulmonologists and infectious disease specialists. Focus Area: Education Activities associated with Medical Society Conferences

**AmGen**

**Description:** Amgen supports IME, which is a professional education given by accredited medical education providers who design and implement programs totally independent of any Amgen influence, as defined by standards such as the Accreditation Council for Continuing Medical Education ("ACCME") guidelines, the FDA's Guidance: Industry Supported Scientific and Educational Activities, and the PhRMA Code. Funding requests including for live presentations, written enduring materials, online courses, and conference symposia from organizations (e.g. hospitals, universities, societies, medical-education vendors) will be reviewed and assessed in conjunction with Amgen's goal to help physicians and other healthcare professionals to obtain information and insights that contribute to the improvement of patient care and the advancement of medicine.

**DePuy Education Grants**

**Description:** Supports educational programs such as continuing medical education (CME) events hosted by accredited providers, non-CME events that do not permit "off-label" discussion of DePuy Synthes Companies products, tuition/travel grants for physicians in training (Fellows and residents), grand rounds and journal clubs. Each request is individually evaluated for compliance with education grant criteria, available budget and alignment with the Company's mission. Education grants are not contingent upon the use, purchase, or recommendation of DePuy Synthes Companies products. For a comprehensive review of the education grant request process, please review the DePuy Synthes Companies

**Boston Scientific**

**Description:** Provides financial and product support to third-party educational conferences that further medical and scientific knowledge. We believe that such programs are critical to advancements in the medical community, and we support a wide range of programs. We respect the Standards for Commercial Support of Continuing Medical Education as published by the Accreditation Council for Continuing Medical Education (ACCME) and as such will not seek to control the content or management of third-party programs. Also, our support of a program will not depend on the program sponsor's selection of particular topics, faculty or attendees. We may provide grants to support the following types of educational programs: Institutional, national, regional or local continuing medical education conferences and professional meetings "Grand rounds" presentations and patient group (Angio Club, Patient Advocacy) meetings Publication or rebroadcast of a conference program (in booklet or pamphlet form, over the Internet, etc.) Educational program grant and exhibit applications should be submitted, reviewed and approved as two separate requests. If your conference or educational event is not accredited by one of the five accreditation organizations listed below, Boston Scientific - like all other pharmaceutical, biologics and medical device companies - is required to collect from you, and report under the U.S. Physician Payment Sunshine Act, the amount of Boston Scientific funds your organization pays to U.S. physicians serving as faculty at your conference, including the identities of those physicians. The five-accreditation organizations are ACCME, American Academy of Family Physicians American Dental Association’s Continuing Education Recognition Program, American Medical Association, American Osteopathic Association.
### Global Opportunities

**NIH**  
**Planning Grant for Global Infectious Disease Research Training Program (D71) International Research Training Grants**  
**Deadline:** July 26, 2018  
**Description:** PAR-17-058: Encourages applications for a planning grant from institutions in low-and middle-income countries (LMICs) to design a Global Infectious Disease Research Training Program in collaboration with U.S. institutions. The application should propose a collaborative process to design a training program that will strengthen the capacity of the LMIC institution to conduct infectious disease research. Planning grants should describe a vision for a research-training program that focuses on a major endemic or life-threatening emerging infectious disease, neglected tropical disease, infections that frequently occur as a co-infection in HIV infected individuals or infections associated with non-communicable disease conditions of public health importance in LMICs.  
**Funding:** Limited to $46,000 Maximum project period is 1 year.

**NIH**  
**Global Infectious Disease Research Training Program (D43)**  
**Deadline:** July 26, 2018 and July 25, 2019  
**Description:** PAR-17-057: Encourages applications for the Global Infectious Disease Research Training Program from U.S. and low- and middle-income country (LMIC) institutions. Propose a collaborative training program that will strengthen the capacity of an LMIC institution to conduct infectious disease research. FIC will support research-training programs that focus on major endemic or life-threatening emerging infectious diseases, neglected tropical diseases, infections that frequently occur as co-infections in HIV infected individuals or infections associated with non-communicable disease conditions of public health importance in LMICs.  
**Funding:** Limited to $230,000 per year for new awards. Project period up to 5 years.

**Association for Academic Surgery**  
**AAS/AASF Global Surgery Research Fellowship Award**  
**Deadline:** August 6, 2018 (Annual opportunity)  
**Description:** For residents and fellows engaged in global health surgical research interested in advancing Global Surgery through research, including proposals aimed at further defining or reducing the global burden of surgical disease (on a community, institutional or regional basis); proposals aimed at defining existing human and material resources available for surgical care in LMIC; proposals outlining the ability of surgical treatment to prevent death/disability in resource-poor settings; aimed at identifying strategies for instituting/improving surgical care or capacity in resource-poor settings; proposals aimed at preventative interventions for surgical disease; and/or aimed at advancing surgical education or manpower in areas of limited resources. Identification and definable participation of local/on-site partners in the collaborating country is required. Must be a candidate or active AAS member, residents or fellows, currently enrolled in an accredited training program and have completed two years of postgrad training in a surgical discipline.  
**Funding:** $20,000

**Thoracic Surgery Foundation (TSF)**  
**International Cardiac Surgical Outreach**  
**Deadline:** September 19, 2018  
**Description:** Supports qualified surgeons who conduct charity work in underserved regions/populations. Provides support for programs that educate, screen and/or treat underserved populations to reduce the global burden of heart valve disease, or to support other programs that advance health care and address underserved populations. It is anticipated this program will lead to treatment of hundreds of patients.  
**Funding:** $37,500

**International Society of Nephrology**  
**ISN-TTS Sister Transplant Center Program**  
**Deadline:** October 1, 2018
**Description:** A joint partnership set up between ISN & The Transplantation Society (TTS) to create new kidney transplant centers and develop existing kidney transplant programs in emerging countries. This initiative encourages transplant centers to work together to increase opportunities for kidney transplant patients in developing countries. Any two-transplant centers can form a partnership if at least one center is from a LMIC and the centers are chaired/run by an ISN or a TTS member. An experienced transplant center in the developed world lends its support to an emerging transplant center to facilitate vital multidisciplinary training and encourage both centers to exchange their knowledge and expertise.

**Funding:** Limited budget which cannot be exceeded. [Program Guidelines](#).

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**NIH**

**Limited Competition: Human Heredity and Health in Africa Consortium Biorepository (U24 Clinical Trial Not Allowed)**

**Deadline:** October 3, 2018

**Description:** RFA-RM-18-020: A call for U24 cooperative agreement applications that will request funding to further develop and sustain up to three H3Africa Biorepositories, building upon existing infrastructure. The H3Africa Biorepositories will continue to have the responsibility of maintaining state of the art methods and technologies for DNA collection, processing, quality control, handling, management, and storage and of providing support services needed for bio-specimen collection and dissemination in Africa. They may also propose collection and handling of specimen types including but not limited to PBMCs, plasma, serum etc. Biorepositories will coordinate closely with H3Africa research projects and the H3Africa Bioinformatics network (H3ABioNet) to ensure responsible stewardship of high quality biological specimens linked to well-curated phenotypic and genomic data.

**Funding:** Application budgets need to reflect the actual needs of the proposed project and are limited to a total of $2.5M over three years with no more than $1M in any one year. Award Project Period 3 years

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**American Society of Clinical Oncology**

**Virtual Mentor Program**

**Deadline:** Pending Fall of 2018

**Description:** This program pairs early-career ASCO members with a mentor outside of their country or region. Mentors and mentees communicate via virtual technology, such as email, phone, and video-conferencing. Recent oncology trainees joining the workforce face many challenges in their professional lives. These challenges can impact the new doctors' professional development and career path significantly. After years of being nurtured and guided by teachers and advisors, these new oncologists are expected to become independent professionals. Mentors from within and outside trainees' institutions can play major roles in helping trainees develop their clinical and research interests and take the first steps towards fulfilling their career goals.

Mentors who participate in the Virtual Mentors Program:

- Are ASCO members
- Typically have at least ten years of oncology experience

Have shown an interest in participating as a mentor in ASCO’s international program

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**NIH**

**Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03)**

**Deadline:** October 16, 2018

**Description:** PA-16-163: To support collaborative vaccine-related research projects that ultimately reduce the burden of infectious diseases of importance in India, the U.S., the South Asian region and globally. Applications are encouraged from organizations/institutions that propose to conduct vaccine-related research through U.S.-Indo collaborations on a variety of infectious diseases, including immunologic characterization. This initiative offers to support VAP research activities and encourages research leading to the development of new and improved vaccines and related products, and technologies to combat infectious diseases of importance in India, the U.S., the South Asian region and globally. While applicants must provide evidence of ongoing or proposed scientific collaborations specific to the research proposed in the grant application, this initiative will not require joint application, review and funding of applications by the U.S. and India as was required in previous VAP-supported research projects. Standard NIH application and review procedures will be followed. NIAID will fund the grants supported by this FOA. Any area of basic, translational,
clinical, or epidemiological vaccine research may be proposed under this program. Examples of possible research topics include, but are not limited to: Discovery, demonstration of the proof of principle, development of novel manufacturing processes, evaluation of the safety and efficacy and demonstration of the effectiveness of the use of new and improved vaccines to prevent:

- HIV/AIDS
- Tuberculosis
- Pandemic and interpandemic influenza
- Dengue and Dengue Hemorrhagic Fever (DHF)
- Malaria
- Enteric diseases
- Discovery and/or development of vaccine adjuvants promoting mucosal or systemic responses; analysis of their mechanism of action; optimization of vaccine adjuvants to increase efficacy while reducing reactogenicity; development of in vitro assays for evaluating adjuvanticity and/or reactogenicity; identification of correlates of adjuvanticity;
- Characterization of local and/or systemic immune responses and regulatory mechanisms in infants, compared to older children or adults, to vaccines or natural exposure/illness due to infectious diseases;
- Mechanisms of systemic or mucosal immune response across the lifespan to infection or vaccination, including characterization of mucosal vaccine immune responses, and correlates/surrogates of mucosal immune responses;
- New manufacturing and vaccine delivery technology;
- Effectiveness of the introduction of new and improved vaccines into public health immunization programs;
- Epidemiology of infectious disease in the human population.

**Funding:** Budgets for direct costs of up to $50,000 per year may be requested for a maximum of $100,000 direct costs over a two-year project period.

**American Society of Colon & Rectal Surgeons**

**International Fellowship Grant**

**Deadline:** Anticipated November 1, 2018

**Description:** To provide support to research programs that are focused on diseases of the colon, rectum and anus that will ultimately impact how we treat these patients. This grant will focus on providing support to clinical investigators in the US who would like to participate in research outside the US, including US investigator engagement in global health research projects focused in colorectal surgery. **Introduction**

**Funding:** $50,000 for one year

**NIH**

**Global Brain and Nervous System Disorders Research Across the Lifespan (R01)**

**Deadline:** November 7, 2018

**Description:** Encourages applications for the conduct of innovative, collaborative research projects between U.S. and low-and middle-income country (LMIC) scientists, on brain and other nervous system function and disorders throughout life, relevant to LMICs (including neurological, mental, behavioral, alcohol/substance use disorders and spanning the full range of science from basic to implementation research). Scientists in upper middle-income LMICs (UMICs) are eligible to partner with scientists at other LMIC institutions with or without out a US partner. The collaborative research expect to contribute to long-term goals of building/strengthening sustainable research capacity in LMICs to address nervous system development, function/impairment and lead to diagnostics, prevention, treatment and implementation strategies.

**Funding:** Not limited (must reflect the actual needs of the proposed project, up to 5 years)

**American Society for Microbiology (ASM)**

**ASM-IUSSTF Indo-US Professorship in Microbiology**

**Deadline:** December 31, 2018
**Description:** Indo-US Professorships seek to broaden scientific collaboration between India and the United States though travel grants that support research and teaching partnerships. Teaching Professorships provide microbiologists in India and the United States with an opportunity to visit institutions in the other country to teach an interactive short course on a topic in any of the microbiological disciplines. Research Professorships provide support to microbiologists in India and the United States to conduct a novel research project in partnership with colleague(s) at a research facility in the other country. Professorship funding is intended to facilitate new research collaborations. Proposals to support pre-existing collaborations or partnerships will not be considered. The application must be made jointly between a hosting institution and the visiting professor.

*The applicant for Visiting Teaching Professor must*
- be scientifically recognized in his/her area of microbiological expertise as demonstrated through courses taught, awards, publications, etc.
- be actively engaged in teaching at the post-secondary level at an accredited university.
- demonstrate commitment to international collaborations and partnerships; and
- be an citizen of either the United States or India.

*The applicant for Visiting Research Professor must*
- be actively involved in research in the microbiological sciences (broadly defined) and
- be an citizen of either the United States or India

Preference will be given to early career scientists who have obtained a PhD, or other equivalent academic degree, within the past 10 years.

**Funding:** Up to $5,000 towards travel costs directly associated with the approved grant. Funds from the Indo-US Professorship Grant must be matched by the hosting institution. Matching funds may be in-kind contributions such as housing and board for the visiting professor, supplies, facilities, administrative support, etc.

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**Consortium for Affordable Medical Technologies (CAMTech)***

**First Mile Innovation Challenge for Global Primary Care**

**Deadline:** TBA

**Description:** To improve health among the most vulnerable in our global community-launched to crowdsource innovations that address clinical/community hardships in global primary care. The Challenge seeks innovative ideas in the following areas within global primary care:
- Maternal
- Newborn and child health
- Cardiac health
- Safe surgery

Seeking innovative ideas within global primary care & innovations focused on improving health in low- and middle-income countries. Technologies with potential global impact, including both low-and middle-income countries as well as high-income countries are eligible. Anyone that is addressing an unmet challenge in global primary care is eligible to submit the Letter of Intent. Start-ups are encouraged to apply.

**Funding:** $25,000

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**Broad Medical Research Program**

**Deadline:** No Deadlines

**Description:** There is a two-step process for requesting funding from the Broad Medical Research Program for Inflammatory Bowel Disease: The first step is to submit a Letter of Interest. If the BMRP is interested in pursuing a project, an invitation is extended to submit. Grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis or therapy of Crohn’s disease or ulcerative colitis. Soliciting proposals in two areas: Differences in IBD incidence between developing and developed countries. The BMRP is funding research into the possible reasons for low and high incidence of IBD in different areas of the globe. Proposals should be exploratory in nature or designed as pilot. Research should shed light on factors that may influence low versus high global areas of prevalence of the disease and should ultimately be helpful in improved understanding of the etiology of IBD and the factors that enhance or prevent the genesis of the disease. IBD and Diabetes Mellitus.

**Funding:** Unannounced
Medical Mission
Grant funding is available to nonprofit organizations & individuals going on a medical mission. The application process varies among foundations, but typically, the first contact is via letter explaining about the mission and the need.

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<tr>
<th>Foundation for Surgical Technology</th>
<th>Medical Mission Scholarship</th>
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<tr>
<td><strong>Deadline:</strong> December 31 [Year of your mission]</td>
<td><strong>Medical Mission Scholarship</strong></td>
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<td><strong>Description:</strong> Are you a practicing tech and interested in helping others by serving on a medical mission trip? The Foundation for Surgical Technology scholarships provide reimbursement for some of your expenses and help you offset the cost of your trip. To be eligible for a mission scholarship you must: Be an active member with currency of the Association of Surgical Technologists. Provide a description of your AST membership history, including your join date and any service to or involvement in your professional association. Email official documentation of the mission program to <a href="mailto:scholarships@ast.org">scholarships@ast.org</a>. Be sure to include your name and medical mission in the subject. Provide copies of all receipts documenting the costs, shown in US dollars that you incurred on your trip. Email receipts to <a href="mailto:scholarships@ast.org">scholarships@ast.org</a>. The amount of scholarship funds awarded are determined after the medical mission, based on the documentation provided. Write an article describing your experience for The Surgical Technologist journal. You must submit the 1,000-2,000-word article and related images before you will be reimbursed. CE Credit In addition to the medical mission scholarship, you could earn as many as 10 hours of CE credit toward your CST recertification. You can earn CE credit for a medical mission once per certification cycle, but are only eligible to receive one scholarship. Provides funds to offset trip expenses.</td>
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**International Medical Corps**

**Deadline:** Continuous

**Description:** The International Medical Corps provides funding to medical missions that not only provide health care services but also education to health care providers in the selected country. Funds range from $10,000 to $25,000. To apply, begin by sending a letter telling them about your program. International Medical Corps 1919 Santa Monica Blvd., Ste. 400 Santa Monica, CA 90404-1950 (310) 826-7800

**The AMB Foundation**

**Deadline:** Continuous

**Description:** The AMB Foundation gives grants for programs serving the medical needs with a special emphasis on South America. The application process begins with a letter describing the area you wish to serve and the services you will provide. AMB Foundation P.O. Box 94717 Phoenix, AZ 85070-4717

**Funding:** $2,000 - $11,000

**Amgen Foundation, Inc.**

**Deadline:** Continuous

**Description:** The Amgen Foundation, Inc. provides funding for medical missions serving the health care needs of people in Europe. To apply for grants ranging from $9,000 to $100,000, send complete details about your program and the area it will serve. Amgen Foundation, Inc. 1 Amgen Center Dr., M.S. 28-1-B Thousand Oaks, CA 91320-1799 (805) 447-4056

**AIDS Healthcare Foundation**

**Deadline:** Continuous
Description: The AIDS Healthcare Foundation provides grants for medical missions serving the needs of people with HIV or AIDS. Grants range from $10,000 to $50,000. To apply begin by sending a letter to the foundation. AIDS Healthcare Foundation 6255 Sunset Blvd., 21st Floor Los Angeles, CA 90028-7422 (323) 860-5200

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<th>Fairview Grant Application</th>
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<td><strong>Deadline:</strong> Continuous</td>
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| **Description:** Fairview Medical Missions helps send Fairview clinicians, employees, volunteers and retirees to foreign countries to help medically underserved people with health care needs and medicines. Medical mission volunteers often serve from 500 to 2,500 patients during trips lasting from five days to two weeks. Guidelines To be eligible to receive a grant the applicant must be a:  
  - Current employee (a minimum of two years of Fairview employment before the mission, working at least 20 hours per week)  
  - Fairview volunteer (a minimum of two years volunteering at Fairview, with at least 50 hours per year)  
  - Fairview retiree  
  - Member of Fairview Physician Associates  
Trips must include active participation in a group providing medical treatment or providing medical education programs. Trips for the purpose of personal education, surveys, religious activity or other non-medical activities are not eligible for Fairview Medical Mission funding. Grants may not be used for in-country travel, room and board, taxes, etc.  
**Trips scheduled for:**  
- January–February  
- March–April  
- May–June  
- July–August  
- September–October  
- November–December  
**Application due:**  
- Nov. 1  
- Jan. 1  
- March 1  
- May 1  
- July 1  
- Sept. 1  
Mail or fax completed application to: Attn: Medical Missions Worldwide Grants 2849 Johnson St. NE Minneapolis, MN 55418 Fax: 612-706-4550
2019 External Funding Opportunities

Biomedical/Microbiome/Infectious Disease

Howard Hughes Medical Institute (HHMI)

**Hannah H. Gray Fellows Program**

**Deadline:** Anticipated January 2019

**Description:** Increasing diversity in biomedical research is the overall goal of this HHMI program. Designed as a transition award, initial funding takes place at the postdoctoral fellowship level and continues through the first four years of independent faculty status. In addition to financial support, this program offers recipients various career development and mentoring opportunities within the HHMI scientific network. Eligible applicants are from gender, racial, ethnic, and other groups underrepresented in the life sciences, including those from disadvantaged backgrounds. Eligible applicants must have also been accepted to join a laboratory as a postdoctoral fellow at a US institution, must have a terminal degree by award start date, and have had no more than one year of postdoctoral research experience at time of application. $20,000 per year Cflex funds to the institution.

**Funding:** $60,000 per year up to 4 years; Postdoc level salary support $250,000 per year up to 4 years

American Gastroenterological Association (AGA)

**AGA-Elsevier Gut Microbiome Pilot Research Award**

**Deadline:** Anticipated January, 2019

**Description:** To provide funds for early career investigators at any career stage researching projects on the relationship of the gut microbiota to digestive health and disease. To help establish research careers or to support projects that represent new research directions for established investigators. Projects must focus on the relationship of the gut microbiota to digestive health and disease. Career Development, Established Investigators, Young Investigators.

**Funding:** $25,000 1 year

NIH

The Mechanistic Role of the Microbiome in the Pathobiology of Heart, Lung, Blood, and Sleep Diseases (R01- No Clinical Trial)

**Deadline:** February 5, 2019

**Description:** To support functional microbiome research focused on understanding the molecular, immunological and physiological mechanisms by which the microbiota (gut, lung, oral, including bacteria, viral and fungal microflora) and its derived factors modulate heart, lung, blood and sleep (HLBS) biology and physiology to promote health or contribute to disease. This FOA encourages mechanistic studies using in vitro, in vivo and/or ex vivo models that focus on the mechanistic and functional involvement of the microbiome and their components in the modulation or activation of host pathways. The goal is to provide the critical knowledge to guide early translational approaches for better understanding and treatment of HLBS conditions in adults and children. Encourages multidisciplinary collaborations among scientists in a wide range of disciplines including (but not limited to) cardiology, pulmonology, hematology, sleep science, circadian biology, immunology, ‘-omic' sciences, microbiology, microbial ecology, biotechnology, and bioinformatics. Potential examples of the scientific questions that could be addressed in response to this FOA include, but are not limited, to the following:

- What specific microbial metabolites or microbial activated pathways contribute to poor outcomes such as immune dysfunction and disease relapse following hematopoietic stem cell transplantation?
- What specific microbial metabolites or microbial-activated pathways contribute to blood pressure regulation?
- What is the influence of the gut and/or lung microbiome on processes associated with the progression of pulmonary fibrosis (e.g., alveolar epithelial injury, fibroblast differentiation, extracellular matrix remodeling, immune cell activation)?
- What is the role of microbiota in the pathogenesis of sickle cell disease, such as patients presenting with vaso-occlusive crisis?
• What circadian abnormalities in host and microbiota functions impair hormonal, metabolic, and immunological inter-relationships associated with HLBS pathobiology and disease?
• What host mechanisms are affected by sleep deficiency and lead to pathobiological changes in microbiota composition associated with increased risk of disease?
• What is the impact of the donor and/or recipient gut microbiome on graft survival following lung transplantation (e.g., what are the mechanistic associations between the gut microbiome and the development of lung allograft rejection)?
• What are the interactions between host and microbiome (activation pathways and molecules) that contribute to differences in clinical phenotypes and disease courses between patients?
• How does the microbiota or microbial metabolites impact hematopoiesis, the hematopoietic niche, and blood stem cell homing?
• Elucidate the networks between innate and adaptive immunity in HLBS diseases and the effect of dysbiosis in such networks

**Funding:** Not limited

**NIH Generating New Insights and Mechanistic Understanding of Antibiotic Resistance Development (R01 Clinical Trial Not Allowed)**

**Deadline:** February 5, 2019

**Description:** PA-18-725: To advance select areas of research recognized as critical in the National Action Plan for Combating Antibiotic-Resistant Bacteria (CARB), including research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as research exploring combination therapies to address the emergence of resistance. The areas of interest for this FOA are aligned with the CARB National Action Plan and NIAID’s Antibacterial Resistance Program. Specifically, to increase research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as exploring combination therapies to suppress the emergence of resistance.

a) Discovery-based clinical research focused on the microbiome of human cohorts at high-risk for acquiring drug resistant infections.

b) Novel approaches to studying human-associated microbial communities and the mechanisms that generate colonization resistance or promote the emergence of drug resistant bacteria.

c) Identification and characterization of combinations of existing antimicrobials to improve therapy for infections caused by MDR Gram-negative bacteria by leveraging model systems or existing cohorts.

**Funding:** Not limited. Maximum project period 5 years

**Kenneth Rainin Foundation Health: Innovator Awards**

**Deadline:** Anticipated Letter of Intent: February 15, 2019. Full proposals are by invitation only

**Description:** The Foundation supports research that is potentially transformative to diagnosing, treating and curing Inflammatory Bowel Disease. The Innovator Awards program provides grants for research projects, which due to their ground-breaking nature, may not be suitable for funding from more traditional sources, such as the National Institutes of Health (NIH). To date, the Foundation has funded projects in the following areas:

- Bioengineering
- Diet and Nutrition
- Epithelial Cell/Molecular Biology
- Fecal Microbiota Transplant
- Immunity and Inflammation
- Microbiome
- Therapeutic Development and Delivery

**Basic Science:** If your research proposal is rooted in basic science, we encourage you to collaborate with investigators who can further the potential for translation of your ideas and findings.
**Translational Science:** If your research proposal is translational by nature, we encourage you to identify industry and clinical partners to assist in propelling your research toward clinical study.

**Clinical Science:** If you are looking to submit a clinical research proposal, we encourage you to collaborate with individuals who could facilitate potential clinical implementation. If an applicant is submitting a clinical research proposal, the Foundation encourages the applicant to include basic scientific methodologies to examine the underlying mechanisms of the proposed intervention/treatment.

**Funding:** $100,000 for one year

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**Dannon Institute Dannon Gut Microbiome, Yogurt and Probiotics Fellowship Grant Program**

**Deadline:** Anticipated February 15, 2019

**Description:** The Fellowship Grant was established in 2012 to better understand the role of probiotics and yogurt in human health and was expanded to explore the impact the gut microbiome has on the human body. The study of the gut microbiome is an exciting and rapidly emerging area of scientific exploration and there is still much to discover. Dannon Fellows are connected to each other through this scholarship, encouraging collaboration, communication, and future opportunity in the field. We are proud to support future generations of researchers and scientists. The successful candidates should excel in science and have an interest in the field of the gut microbiome's effect on human health and well-being, or in the nutritional and functional benefits of yogurt, fermented dairy products and probiotics on the body (the "Field"). Examples may include the role of calcium, vitamin D or other nutrients from yogurt, or the effects of probiotics, fermented dairy products or yogurt on brain function, digestive health, weight management or heart health

**Funding:** The Company will award two undergraduate, graduate, or postdoctoral students a grant of $25,000. The successful awardees must use the funds in 2019. The award will be for tuition or research-related projects or as otherwise allocated at Dannon's sole discretion and will be payable directly to the student's educational institution to support their continued education on related topics during 2019.

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**Jeffrey Modell Foundation Translational Research Program**

**Deadline:** February 16, 2019

**Description:** Over the past decade, identification and diagnosis of Primary Immunodeficiency has greatly expanded, and knowledge of causative genes continues to rapidly grow. Simultaneously, genomics technology is becoming more readily available and cost-effective. The time is crucial to support research that will bridge basic science discoveries to the development of clinical applications that will impact overall health outcomes. Advancing the understanding of the mechanisms of Primary Immunodeficiency diseases has the ability to provide essential knowledge of immune function. Harnessing the power of understanding the immune system represents one of the single greatest disease-fighting and life-saving strategies that biomedical science has to offer and will greatly benefit those with identified Primary Immunodeficiencies, and the millions that remain undiagnosed. The purposes of this program are:
- To support innovative and novel investigations in Primary Immunodeficiency, focusing on translational research leading to meaningful clinical application.
- To advance the growing knowledge of genotype-phenotype correlations and gain a better understanding of the underlying mechanisms of immune function and dysfunction.
- To support research that will lead to advancement in clinical recognition, diagnostic tools, and innovative therapies that will impact overall health outcomes and improve the quality of life of those affected by Primary Immunodeficiency.
- Grants with the following focus will be strongly considered for awards:
  a. Novel PI defects
  b. Innovativeness in early diagnosis
  c. Treatment advances to a cure
  d. Impact on patient health (i.e. how a patient will benefit)
  e. Reach of the proposed project (i.e. how many patients might benefit)

**Funding:** $250,000 (over 2 years)
Role of Gut Microbiome in Regulating Reproduction and Its Impact on Fertility Status in Women Living with and Without HIV (R21)

**Deadline:** February 16, 2019

**Description:** PA-18-839: To encourage applications from the scientific community to support outstanding research related to the role of the gut microbiome in regulating metabolism and reproduction, and its impact on fertility status. The overarching goal is to gain fundamental insight into the possible role of the gut microbiome in regulating reproduction through hypothalamo-pituitary-gonadal (HPG), hypothalamo-pituitary-adrenal (HPA), and hypothalamo-pituitary-thyroid (HPT) axes in the brain. The results of the study could lead to development of diagnostic markers (signature microbiomes) for reproductive and metabolic failure. The project is pertinent to multiple portfolios in the Fertility and Infertility Branch, e.g., basic ovarian biology, fertility preservation, assisted reproductive technology, spermatogenesis and sperm function, and therapeutic interventions to infertility. The emphasis on the gut microbiome and its impact on reproduction through its effects on HPG, HPA, and HPT axes leading to obesity, metabolic syndrome, stress disorders, infection and anxiety is also of interest to the Maternal and Pediatric infectious disease Branch, Pediatric Growth and Nutrition Branch and Intellectual and Developmental Disabilities Branch. Possible research topics that may be addressed in response to this FOA include, but are not limited to, the following:

- Examine the effect of altered gut microbiome and metabolome of the microbiome on hypothalamic neuroendocrine function, i.e. GnRH, TRH, and CRH secretion.
- Elucidate the role of altered microbiome and metabolome of the microbiome on pituitary gland function, i.e., LH, FSH, ACTH, TSH, and prolactin.
- Examine the impact of altered gut microbiome and metabolome of the microbiome on normal ovarian function and dysfunction, particularly for conditions that impact fertility such as anorexia nervosa, polycystic ovarian syndrome and obesity.
- Study the impact of altered gut microbiome and metabolome of the microbiome on normal testicular function and dysfunction from azoospermia/ oligospermia to lack of libido.
- Decipher dietary influences on the gut microbiome and metabolome of the microbiome in the development of metabolic dysfunction leading to infertility or subfertility.
- Investigate the role of the gut microbiome on the stress responsiveness and its impact on reproduction in both male and females.
- Investigate the role of gut microbiome on fertility in women living with HIV.
- Investigate the relationship of the gut microbiome and maternal HIV infection on early pregnancy loss and fertility.
- Investigate the relationship of the microbiome and maternal HIV infection on adverse pregnancy outcomes such as preterm birth and stillbirth.

**Funding:** The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

**Association of Public Health Laboratories (APHL) Infectious Diseases Laboratory Fellowship**

**Deadline:** February 19, 2019

**Description:** The Fellowship Program sponsored by APHL and CDC, trains and prepares scientists for careers in public health laboratories and supports public health initiatives related to infectious disease research. The fellowship's mission is to provide a high quality training experience for the fellow while providing workforce capacity to the public health laboratory community. Fellows are placed in local and state public health laboratories throughout the US to receive training in bench-level laboratory skills and methods, and assist with high-priority infectious disease testing, surveillance, and control measures. Fellows may have opportunities to collaborate with federal (CDC) public health laboratories. All fellows participate in an orientation session to gain a general understanding of the public health laboratory system and how it related to infectious disease research, prevention, surveillance and control. Once in their host laboratories, fellows are supervised by an experienced mentor and work on bench-level projects proposed by the host laboratory. In addition to laboratory-specific work, fellows participate in distance-based training and learning activities to achieve proficiency in select public health laboratory
Funding: $41,000. Fellows receive a stipend, allowance for medical insurance, travel reimbursement to the host laboratory, a professional development allowance, and complimentary student membership to APHL. The 2017 stipend starts at $41,000/year, with a cost of living adjustment for major metropolitan areas.

NIH Age-related Microbiota Changes and their Implications in Chronic Disease Prevention, Treatment and Progression (R01)

Deadline: February 16, 2019
Description: PA-18-738: to assess the role of the microbiome in health and disease during aging. This initiative will support research projects designed to evaluate changes in the microbiota during lifetime and its influence in health and disease status in the elderly, including those from racial/ethnic minority and underserved populations and understand the underlying mechanisms of microbiota interactions in aged subjects as related to health and disease. This FOA will support basic mechanistic, preclinical studies in animal models and human clinical trial proposals in accordance with the state of the science. Relevant studies include but are not limited to:

- How age-related changes in the microbiome (ex: aging of digestive system including the change in stomach pH, aging microbial biofilm, overgrowing Candida, exposure to heavy metals, chemical pollutants, etc.) may increase the inflammatory status and affect diseases risk and progression.
- Example: Studies examining biologic signatures, including changes in microbiota pathobiont overgrowth and toxin production that can nurture a sort of pro-inflammatory loop and, in turn, worsen the health status of aged people.
- The mechanisms underlying senescence and the role of microbiota and microbially produced metabolites in the progress of aging and age-related diseases.
- Example: Studies of symbiotic human microbiota or their metabolites and host neurogenic, immunologic, or metabolic pathways that suggest the potential for microbial-based therapeutic strategies that may aid in the modification of the human microbiome, for healthy aging; or delay progression of age-related disease, including neurological disorders and cancer.
- How changes in the microbiome in different locations: oral, gut, upper respiratory, sinus, skin, etc.) affect risk of disease locally or at distal sites.

Example: Studies focused on the relationship between the microbiota of human ecological niches (e.g., gut, oral cavity, skin, bladder, vagina, brain) and the development of clinical diseases that are common in older adults (e.g., pneumonia, urinary tract infection, reactive airways, disease, malignancies).

- The influence of diet, supplements, and prescription medication, on the composition of the microbiome and the development of dysbiosis with age.
- Example: Analysis of different exposures [diet, supplements, medications] in older adults that examine phenotypic correlations between gut microbiota composition and functionality, immunological and inflammatory parameters, and genomic/metabolomic profiles.

Funding: Not Limited. Project period may not exceed 5 years

American College of Chest Physicians (ACCP) CHEST Foundation Research Grant in Nontuberculous Mycobacteria Diseases

Deadline: Anticipated April 9, 2019
Description: Applications must advance research in Nontuberculous Mycobacteria Diseases. This grant is supported by Insmed. Eligibility: CHEST membership at time of application.
- Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers.
Teams are encouraged to apply but must have a representative to serve as the Principal Investigator who will apply as an individual and will receive recognition if awarded.

**Funding:** $30,000 (one year)

### Osteosynthesis and Trauma Care Foundation

**Deadline:** Anticipated April 15, 2019

**Description:** The objective of Research Grants is to encourage orthopedic trauma surgeons and basic scientists by providing seed and start-up funding for promising research projects in the field of orthopedic trauma surgery through Grants for a research project extending over a maximum of two years. Both laboratory and clinical projects are suitable, but in either case clinical relevance must be explicitly and clearly described. A trauma or orthopedic surgeon must serve as either the principal or co-principal investigator. Non-trauma/orthopedic surgeon, M.D.’s, Ph.D.’s or D.V.M.’s may serve as the principal or co-principal investigator, as long as they are affiliated with a trauma/orthopedic department with an orthopedic surgeon as the co-principal investigator. The principal investigator and co-principal investigator as well as their institutions are not eligible to apply for funding as long as a previous grant has not been completed and the final report submitted.

**Funding:** $50,000

### Biomedical Engineering Society (BMES)

**Deadline:** May 15, 2019

**Description:** Annually, BMES recognizes individuals for their accomplishments, significant contributions and service to the Society and the field of biomedical engineering. BMES accepts nominations and applications for the following awards:

1. Robert A. Pritzker Distinguished Lecture Award - is the premier award of the Society given each year to an individual to recognize outstanding achievements and leadership in the science and practice of biomedical engineering.
2. MES Mid-Career Award - is awarded each year to a BMES member in good standing to recognize meritorious achievements and energetic leadership in biomedical engineering. The achievements may be in scholarship, education, mentorship, or practice of biomedical engineering, and must include significant involvement and sustained contributions to BMES.
3. Rita Schaffer Young Investigator Award - is offered to stimulate research careers in biomedical engineering.
4. Diversity Lecture Award - honors an individual, project, organization, or institution for outstanding contributions to improving gender and racial diversity in biomedical engineering.
5. Distinguished Achievement Lecture Award - is awarded each year to an individual, company, charitable foundation, or non-academic institution that has made great contributions to the field of biomedical engineering.
6. Career Development Awards - are available to graduate students, postdoctoral fellows, early career faculty, and early career professionals from underrepresented populations in biomedical engineering or involved in research and training focused on health disparities and minority health in biomedical engineering.

**Funding:** $12,000

### NIH Generating New Insights and Mechanistic Understanding of Antibiotic Resistance Development (R01 Clinical Trial Not Allowed)

**Deadline:** June 5, 2019

**Description:** PA-18-725: To advance select areas of research recognized as critical in the National Action Plan for Combating Antibiotic-Resistant Bacteria (CARB), including research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as research exploring combination therapies to address the emergence of resistance. The areas of interest for this FOA are aligned with the CARB National Action Plan and NIAID’s Antibacterial Resistance Program. Specifically, to increase research focused on understanding the nature of microbial communities, how antibiotics affect them, and how they can be harnessed to prevent disease, as well as exploring combination therapies to suppress the emergence of resistance.
a) Discovery-based clinical research focused on the microbiome of human cohorts at high-risk for acquiring drug resistant infections.

b) Novel approaches to studying human-associated microbial communities and the mechanisms that generate colonization resistance or promote the emergence of drug resistant bacteria.

c) Identification and characterization of combinations of existing antimicrobials to improve therapy for infections caused by MDR Gram-negative bacteria by leveraging model systems or existing cohorts.

**Funding:** Not limited. Maximum project period 5 years

### NIH
**Role of Gut Microbiome in Regulating Reproduction and Its Impact on Fertility Status in Women Living with and Without HIV (R21)**

**Deadline:** June 16, 2019

**Description:** *PA-18-839:* To encourage applications from the scientific community to support outstanding research related to the role of the gut microbiome in regulating metabolism and reproduction, and its impact on fertility status. The overarching goal is to gain fundamental insight into the possible role of the gut microbiome in regulating reproduction through hypothalamo-pituitary-gonadal (HPG), hypothalamo-pituitary-adrenal (HPA), and hypothalamo-pituitary-thyroid (HPT) axes in the brain. The results of the study could lead to development of diagnostic markers (signature microbiomes) for reproductive and metabolic failure. The project is pertinent to multiple portfolios in the Fertility and Infertility Branch, e.g., basic ovarian biology, fertility preservation, assisted reproductive technology, spermatogenesis and sperm function, and therapeutic interventions to infertility. The emphasis on the gut microbiome and its impact on reproduction through its effects on HPG, HPA, and HPT axes leading to obesity, metabolic syndrome, stress disorders, infection and anxiety is also of interest to the Maternal and Pediatric infectious disease Branch, Pediatric Growth and Nutrition Branch and Intellectual and Developmental Disabilities Branch.

**Funding:** The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

### Burroughs Wellcome Fund
**Investigators in the Pathogenesis of Infectious Disease**

**Deadline:** Anticipated Pre-proposal July 2019 and full application deadline November

**Description:** Provides opportunities for *assistant professors* to bring multidisciplinary approaches to the study of human infectious diseases. The goal of the program is to provide opportunities for accomplished investigators still early in their careers to study what happens at the points where the systems of humans and potentially infectious agents connect. The program supports research that sheds light on the fundamentals that affect the outcomes of these encounters: how colonization, infection, commensalism, and other relationships play out at levels ranging from molecular interactions to systemic ones. Microbiome-related proposals must be infectious disease focused to compete well in this program. PATH is a highly competitive award program that provides $500,000 over a period of five years. The awards are intended to give recipients the freedom and flexibility to pursue new avenues of inquiry, stimulating higher risk research projects that hold potential for significantly advancing understanding of how infectious diseases work and how health is maintained. [Request Pre-Proposal](#)

**Funding:** $500,000 (over five years to support)

### Cancer/Surgery Oncology
**Career Development Awards for Translational Research**

**Deadline:** Anticipated letter of intent February 2019. Full application due (by invitation only) May 2019

**Description:** LUNGevity's Career Development Awards for Translational Research program was created to support future research leaders who will keep the field of lung cancer research vibrant with new ideas. Funded projects are expected to have a direct impact on the early detection of lung cancer or on the outcomes of lung cancer, or to provide a clear conceptual or experimental foundation for the future development of methods for early detection and/or individualized treatment, including through targeted therapy and immunotherapy. Only 1 award per institution.

**Funding:** $300,000 for 3 years
**American Association for Cancer Research (AACR)**

**Kure It-AACR Research Grant for Immunotherapy in Kidney Cancer**

**Deadline:** Anticipated February 15, 2019

**Description:** The AACR-Kure It Research Grant for Immunotherapy in Kidney Cancer represents a joint effort to promote and support innovative cancer research. This grant is available to study immunological aspects of, or treatments for, kidney cancer. Research projects should advance the basic knowledge of tumor immunology mechanisms, or develop new concepts in the treatment, control, or prevention of kidney cancer by immunology-based therapeutic approaches. Proposed projects may be basic, translational, clinical, or epidemiological in nature and must focus on cancer immunology including, but not limited to: immune recognition, regulation, tumor escape, and therapeutic manipulation for kidney cancer. Applications are invited from researchers currently in the field as well as investigators with experience in other areas of cancer or biomedical immunology research who have promising ideas and approaches that can be applied to kidney cancer research. A track record of research in this specific field is not a requirement for funding. Applicants must have a medical and/or doctoral degree in a related field. Applications will be accepted from independent investigators at all levels who are affiliated with an academic, medical or research institution anywhere in the world.

**Funding:** $250,000

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**Minnesota Ovarian Cancer Alliance (MOCA)**

**Ovarian Cancer Research Awards**

**Deadline:** Anticipated March 1, 2019

**Description:** To accelerate ovarian cancer research in Minnesota. Research proposals may be for individual projects or part of a larger research project related to ovarian, primary peritoneal or fallopian tube cancer. Awards will be granted only to projects conducted in the state of Minnesota by Minnesota based researchers.

**Funding:** Funding for 1-3 years. May request $50,000 or $100,000 per year for 1-3 years

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**American Association for Cancer Research**

**AACR-Johnson & Johnson Lung Cancer Innovation Science Grants**

**Deadline:** Anticipated March 2, 2019

**Description:** Because of the late onset of clinical symptoms and inadequate screening programs, nearly two-thirds of all lung cancers are diagnosed at an advanced stage and, as a result, five-year survival rates are still below 18%. Interventions at the earliest stages of the disease process while there are no clinical manifestations, or when the tumor is small and localized, improves survival outcomes; therefore, simple yet accurate diagnostic tools that can improve the detection of early lung cancers are urgently needed. The AACR-Johnson & Johnson Lung Cancer Innovation Science Grants represent a joint effort to address this need by promoting and supporting pioneering cancer research. Proposals should focus on understanding the behaviors that lead to chronic exposures to respiratory carcinogens and how these behaviors can be modified; how chronic exposures produce cellular/genomic damage and how these can be ameliorated; deciphering the types of inflammation that underlie the carcinogenic process; understanding the alterations in innate and adaptive immunity that create an immune-permissive microenvironment; and changes in the pulmonary microbiome that may contribute to carcinogenesis. Proposals that characterize premalignant lesions or that substantially improve the detection of lung cancer at more curable stages will also be prioritized. This project must be implemented by a multi-institutional team, composed of Principal Investigators from at least two, but no more than three, different institutions. The Grant will provide $1.5 million in funding for direct and indirect expenses related to each research project over a three year timeframe. In addition to the grant, the AACR will provide strategic project management support to help optimize project implementation and progress during the grant term.

**Funding:** Upper $1,500,000

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**NIH**

**Mechanisms of Disparities in Chronic Liver Diseases and Cancer**

**Deadline:** April 4, 2019

**Description:** PAR-17-150: The purpose of the initiative is to support multidisciplinary innovative exploratory and developmental research to understand the underlying etiologic factors and the mechanisms that result in disparities in chronic liver diseases and cancer in the US. This FOA utilizes the Research Project Grant (R21) mechanism, and is suitable for early phase, pilot, or exploratory/developmental projects.

**Funding:** $275,000 over two years (no more than $200,000 per year)
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<tr>
<th><strong>American College of Chest Physicians (ACCP) CHEST Foundation</strong></th>
<th><strong>CHEST Foundation Research Grant in Lung Cancer</strong></th>
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<td><strong>Deadline:</strong> Anticipated April 9, 2019</td>
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<td><strong>Description:</strong> Applications must address research that leads to improved medical and/or surgical detection, treatment, and/or cure of lung cancer. Higher-level translational research project preferred (T1-T5); basic (cellular or animal) research projects will not be considered. Applicant Qualifications:- CHEST membership at time of application. - Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers. - Teams are encouraged to apply but must have a representative to serve as the PI who will apply as an individual and will receive recognition if awarded. - IRB approval must be sought/received for all projects to assure protection of subjects.</td>
<td><strong>Funding:</strong> Upper $100,000</td>
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<th><strong>Ovarian Cancer Research Fund Alliance</strong></th>
<th><strong>Liz Tilberis Early Career Award</strong></th>
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<td><strong>Deadline:</strong> Anticipated May 14, 2019</td>
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<td><strong>Description:</strong> The Liz Tilberis Early Career Award is for junior faculty with a strong commitment to an investigative career in the field of ovarian cancer research. To support a substantial time commitment to research and academic endeavors in ovarian cancer. Applicants must be working in institutions with strong existing ovarian cancer research programs, in a school of medicine or public health. Applicants should have strong training in preparation for an investigative career in ovarian cancer research and prior academic accomplishments. Candidates must have an M.D. or Ph.D. degree and should be in the first five years of their first academic appointment after having completed their fellowship or postdoctoral training (Assistant Professor or equivalent).</td>
<td><strong>Funding:</strong> Three-year grant of up to $150,000 per year ($450,000 total).</td>
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<th><strong>Concern Foundation</strong></th>
<th><strong>Conquer Cancer Now Award</strong></th>
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<td><strong>Deadline:</strong> Letter of Intent June 5th-September 9, 2019</td>
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<td><strong>Description:</strong> The Conquer Cancer Now Award is a $60,000 grant given to young and innovative cancer researchers focused on cancer genetics, cancer biology and cancer immunology.</td>
<td><strong>Funding:</strong> $60,000 for a 2 year grant cycle</td>
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<th><strong>The Gateway for Cancer Research</strong></th>
<th><strong>Gateway’s Grant Application</strong></th>
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<td><strong>Deadline:</strong> Continuous</td>
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<td><strong>Description:</strong> Gateway focuses on transformational science via effective clinical trials—when basic science translates into human testing and clinical practice. We invest in clinical trials to enroll patients at all ages, with all cancer types, whose cancer is at any stage of progress—as long we they have the potential to help people live longer and feel better. We accept submissions on a rolling basis and typically approve funding requests within 3-4 months—an extraordinarily short timeline compared to most research funding streams. As a result, Investigators can capitalize on Gateway funding to quickly enroll patients and move the research forward more rapidly than most funding allows.</td>
<td><strong>Funding:</strong> $800,000 (1-3 years)</td>
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<p>| <strong>Cardiothoracic/Cardiology/Cardiopulmonary/Thoracic/Vascular</strong> | |
|---------------------------------------------------------------||
| <strong>American Association for Thoracic Surgery (AATS)</strong> | <strong>Third John Alexander Research Scholarship</strong> |
| <strong>Deadline:</strong> Anticipated January 2019 | |</p>
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<thead>
<tr>
<th>Description</th>
<th>American Association for Thoracic Surgery (AATS)</th>
<th>The Graham Surgical Investigator Program</th>
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<td><strong>Funding:</strong> $160,000 over two years</td>
<td><strong>Deadline:</strong> Anticipated January 15, 2019</td>
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<td><strong>Description:</strong> This scholarship award is designed to provide opportunities for research, further training, and experience for those pursuing academic careers in cardiothoracic surgery. Eligible applicants are North American cardiothoracic surgeons in their first two years in an academic position.</td>
<td><strong>Description:</strong> Supports innovative clinical or translational research for young Cardiothoracic Surgeons, including topics related to outcomes research, as well as robotically assisted surgery, minimally invasive surgery or other applications of new and innovative technologies in cardiothoracic surgery.</td>
<td><strong>Description:</strong> The Graham Surgical Investigator Program supports innovative clinical or translational research for young Cardiothoracic Surgeons, including but not limited to topics related to outcomes research, as well as robotically assisted surgery, minimally invasive surgery or other applications of new and innovative technologies in cardiothoracic surgery.</td>
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<td><strong>Funding:</strong> $100,000 ($50,000 per year for up to two years)</td>
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in the setting of existing clinical trials are suggested. Examples include: Ancillary studies coupled to existing clinical trials. Pilot clinical trials of any type. Studies on the natural history of vascular disease, pathophysiology, or mechanisms underlying success or failure of vascular interventions. Application of quality-of-life, functional status, and resource utilization measures to assess the impact of vascular interventions. Development and validation of clinical risk-prediction models or diagnostic tools. Studies addressing the nature of disparities in care and outcomes.

Funding: $25,000

**American College of Chest Physicians (ACCP) CHEST Foundation Research Grant in Nontuberculous Mycobacteria Diseases**

**Deadline:** Anticipated April 9, 2019

**Description:** Applications must advance research in Nontuberculous Mycobacteria Diseases. This grant is supported by Insmed. Eligibility:- CHEST membership at time of application. - Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers. - Teams are encouraged to apply but must have a representative to serve as the Principal Investigator who will apply as an individual and will receive recognition if awarded. - IRB approval must be sought/received for all projects to assure protection of subjects.

**Funding:** $30,000

**American College of Chest Physicians (ACCP) CHEST Foundation Clinical Research Grant in Pulmonary Arterial Hypertension**

**Deadline:** Anticipated April 9, 2019

**Description:** Applications must advance the understanding of the pathophysiology or treatment of pulmonary arterial hypertension. Eligibility:- CHEST membership at time of application. - Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers. - Teams are encouraged to apply but must have a representative to serve as the Principal Investigator who will apply as an individual and will receive recognition if awarded. - IRB approval must be sought/received for all projects to assure protection of subjects.

**Funding:** $25,000 - $50,000

**American College of Chest Physicians (ACCP) CHEST Foundation Research Grant in Venous Thromboembolism**

**Deadline:** Anticipated April 9, 2019

**Description:** Applicants must be licensed physicians and applications must address topics that advance research and ultimately improve patient outcomes in VTE. Eligibility: CHEST membership at time of application. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers. - Teams are encouraged to apply but must have a representative to serve as the PI who will apply as an individual and will receive recognition if awarded.

**Funding:** $15,000 - $30,000

**Critical Care/Trauma**

**Emergency Medicine Residents’ Association Be the Change Project Grant**

**Deadline:** Anticipated January 15, 2019

**Description:** This is EMRA’s largest award and is intended to empower you, as an EMRA member, to “dream big” for emergency medicine. The award will provide a large grant to a resident/medical student or group of residents/students to create and pursue a project designed to have a
American Association for the Surgery of Trauma (AAST) Trauma Critical Care Award

**Deadline:** Anticipated February 1, 2019

**Description:** In alignment with its mission to advance the field of acute care surgery, and improve the care of critically ill surgical patients, by fostering research, education, and professional development in an environment of fellowship and collegiality, the AAST supports young investigators with research scholarships each year. The purpose of the AAST research scholarships is to solicit research applications from early career investigators proposing basic science, translational, or clinical studies to advance trauma, surgical critical care, and emergency general surgery care. AAST scholarships are intended to provide funding for early investigators to complete a research project, which will serve as the basis for future grant applications and to launch the applicants' academic careers. Clinical, Translational, and Basic Sciences (Mechanistic) research proposals are encouraged. Pilot projects, projects seeking exclusively preliminary data, or "proof of concept" projects will only be considered if the applicant provides sound scientific foundation for the proposal. Projects centered on Global Surgery/Trauma will be considered if they are found to be of sufficient merit and are scientifically sound.

**Funding:** Direct costs of the project may not exceed $50,000. Funding for the project will not exceed a period of one year.

Shock Society Faculty Research Award

**Deadline:** April 1, 2019 (Annually)

**Description:** To support a faculty at his/her early career stage to do research in the areas related to trauma, shock and sepsis. Research topics may vary from basic cellular responses to clinical outcomes. Proposing translational research and clinical application are encouraged. Research must have intrinsic importance, but may contain a component for permitting the applicant to learn the methodology, theory, and conceptualizations necessary for project development.

**Funding:** $83,000 over 2 years, w/ $3,000 for annual meeting travel for 3 years.

Shock Society Research Investigator Fellowship

**Deadline:** April 1, 2019 (Annually)

**Description:** To support a research fellow newly obtained a postgraduate degree to do research in the areas related to trauma, shock and sepsis, leading to be an outstanding independent investigator. Research topics may vary from basic cellular responses to clinical outcomes. Proposing translational research and clinical application are encouraged. Proposed research must have intrinsic importance, but may also contain a component for permitting the applicant to learn the methodology, theory, and conceptualizations necessary for project development.

**Funding:** $22,000 over one year

American College of Chest Physicians (ACCP) Eli Lilly and Company Distinguished Scholar in Critical Care Medicine

**Deadline:** April 9, 2019

**Description:** The Distinguished Scholar in Critical Care Medicine grant was established as a benchmark for clinical innovations that would translate into healthier patient lives. The Eli Lilly and Company Distinguished Scholar is expected to complete an investigative project that has significant impact on critically ill patients.

**Funding:** $150,000 over 3 years

Osteosynthesis & Trauma Care Foundation Research Grants Program

**Deadline:** April 15, 2019
Description: To encourage orthopedic trauma surgeons and basic scientists by providing seed and start-up funding for promising research projects in the field of orthopedic trauma surgery through Grants for a research project extending over a maximum of two years. Both laboratory and clinical projects are suitable, but in either case clinical relevance must be explicitly and clearly described. The subject areas in which 2018 grant proposals are invited include:
- Implant-Bone Interface: Coatings, Fixation, Minimizing Infection
- Prevention and Treatment of Infection: Type and length of antibiotic treatment, stability of fractures
- Post-traumatic Deformity: Angular deformities and consequences, pediatric fracture deformities
- Role of External Fixation in Acute Trauma: Staged protocols, span and scan - timing of internal fixation, timing of fixation (systemic)
- External Fixation and Fracture Repair: Optimal stiffness, External fixation in osteoporotic bone, Assessment of healing after external fixation

Funding: $50,000

One Mind Institute (formerly IMHRO)  
One Mind Rising Star Awards

Deadline: May 15, 2019

Description: Given the challenges of understanding and finding therapies for brain illnesses and injuries, the One Mind Rising Star Awards encourage the community of researchers to innovate in their basic and translational science to benefit patients, while supporting the research of emerging leaders in the field. One Mind, in collaboration with Janssen Research & Development, is offering up to three Rising Star Research Awards: and in collaboration with Inscopix, a Technology Supplement Grant in 2018. The overarching goal is to award promising, early career investigators an opportunity to enhance or accelerate research on major neuropsychiatric disorders, such as anxiety, addiction, bipolar disorder, depression, post traumatic stress, schizophrenia, and traumatic brain injury.

Funding: $250,000, with $83,333 distributed annually over a 3 year period.

The Society of Critical Care Medicine (SCCM)  
SCCM-Weil Research Grant

Deadline: Anticipated June 1, 2019 (Continuous)

Description: Supports research efforts that will ultimately improve patient care in the ICU and after ICU discharge. Investigator-initiated research should help advance and improve our understanding of critical illness and patient care. Applications are encouraged that focus on expanding our basic knowledge of critical illness, clinical interventions to improve patient outcomes, and technical aspects such as electronic surveillance systems, as well as studies exploring cultural and educational factors among ICU staff that either impede or facilitate a climate promoting best practices and error reduction. Priority will be given to projects that have broad relevance and/or community engagement. For example, single-center projects should specifically address the potential to generalize their findings to other critical care settings.

Funding: $50,000

The Eastern Association for the Surgery of Trauma  
John M. Templeton, Jr., MD Injury Prevention Research Scholarship

Deadline: Anticipated Letter of Intent July 2019

Description: The intent of the John M. Templeton, Jr., MD Injury Prevention Research Scholarship is an interventional trial in the field of injury prevention. Applications that solely investigate administrative or other large databases without a clearly described intervention will not be considered. Applicant must be an American citizen or permanent resident under the age of 50 and demonstrate a commitment to an academic career in the field of injury prevention in the U.S. Applicant does not have to be a physician and may be enrolled in graduate medical education. The applicant must identify a mentor to provide academic leadership.

Funding: Unannounced

The Mayday Fund  
Research Bench to Bedside

Deadline: No deadline
Description: Interested in projects that result in clinical interventions to reduce the toll of physical pain, pediatric pain, pain in non-verbal populations, and pain in the context of emergency medicine. Projects that hold promise of innovative clinical applications. We look to seed translational research to expand the scope and reach of pain treatments

Funding: Recent grants range from $10,000 - $450,000

Diabetes

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<thead>
<tr>
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Qatar Foundation, Qatar National Research Fund (QNRF) National Priorities Research Program (NPRP)

| Deadline: Anticipated January 30, 2019 | Description: The vision of QNRF is to enable research and development excellence in Qatar in order to achieve a knowledge-based economy through the advancement of research and education by providing funding opportunities for original, competitively-selected research and development at all levels and across all disciplines. The NPRP encourages collaborative and multi-disciplinary proposals involving teams from more than one institution. QNRF aims for international collaborations to enhance the research capacity and scientific excellence in Qatar. The collaboration of research end-users in proposals is particularly encouraged. The objective is to competitively select research projects that will address national priorities through supporting basic and applied research as well as translational research/experimental development. QNRF intends to stimulate partnerships between academics and research end-users. The NPRP-S aims to focus on meritorious research projects that demonstrate a potential impact on the development of Qatar's society and economy with an emphasis on: - tackle needs and challenges that local research end-users face; - support projects with tangible impacts; - focus on subjects that are highly promising in terms of commercial and technological potential; - promote a public-private partnership culture in Qatar; - encourage a more cross-cutting / interdisciplinary approach to projects; - stimulate scientific excellence and the advancement of knowledge in Qatar. Proposals submitted are required to be aligned to at least one of the listed thematic research areas. The objectives of the Priority Themes are to focus and optimize QNRF’s funding according to the following main strategic principles: - Diversify and develop Qatar's industry and services towards a knowledge-based economy. - Support the development and enforcement of public policies, governance and public services in Qatar. -Focus on hotspot R&D fields, in which Qatar may be positioned to take some leadership. Proposals addressing priority themes and scoring high on the other review criteria will be prioritized in the award selection process. Biomedical & Health Pillar - Priority Theme: - Epidemiology studies - Diabetes, Obesity, Hypertension and Cardiovascular Complications - Cancer (Breast, Colon, Prostate and Hematologic Cancers) - Genetic Diseases (including Autism). |
| **Funding:** $200,000 for a one year project, $400,000 for a two year project, $600,000 for a three year project and 700,000 for a four year project |
**NIH, NIDDK Investigator-Initiated Clinical Trials Targeting Diseases within the Mission of NIDDK (R01 Clinical Trial Required)**

**Deadline:** February 5, 2019  
**Description:** PA-18-330 Invites applications for investigator-initiated clinical trials within the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) to be conducted at no more than two clinical research centers. NIDDK is committed to improving the health of people with diabetes and other endocrine and metabolic diseases; digestive diseases, nutritional disorders, and obesity; and kidney, urologic and hematologic diseases. Applications for clinical trials submitted under this FOA should be hypothesis driven, have clearly described aims and objectives, and have a high likelihood that the trial findings will improve understanding, diagnosis, prevention or treatment of the diseases studied and have the potential to impact clinical practice and/or public health.  
**Funding:** Not limited

**NIH Early-Stage Preclinical Validation of Therapeutic Leads for Diseases of Interest to the NIDDK (R01)**

**Deadline:** March 12, 2019  
**Description:** PAR-16-121: To translate basic science research into knowledge and tools that can be utilized to provide strong justification for later-phase therapeutics discovery and development efforts in health-related outcomes relevant to the National Institute of Diabetes and Digestive and Kidney Diseases. This includes outcomes relevant to obesity, diabetes and related aspects of endocrinology and metabolism, digestive diseases, liver diseases, nutrition, kidney and urological diseases, hematology, and specific aspects of cystic fibrosis. Additional information concerning programmatic areas at NIDDK is available at: www.niddk.nih.gov/research-funding/research-programs/Pages/default.aspx. Its objective is to stimulate research and technology development to promote the early-stage preclinical validation of therapeutic leads (that need not be finalized therapeutics, henceforth called “therapeutic leads”) such as small molecules or non-viral biologics (e.g. antibodies, cell-based therapies, engineered tissue constructs, probiotic or commensal microbes) that are not currently a focus within the biotechnology and pharmaceutical industries. It is expected that there is significant novelty in either the target, small molecule, or non-viral biologic itself, or in the approaches used to pursue further therapeutic lead validation, and that this is articulated clearly in the application. It is not intended to support research focused on understanding normal biology, disease processes, or generating lists of putative new targets. At the end of the project period, a successful project will have provided a significant contribution to the data supporting the validity of modulating a target’s activity for safe, efficacious treatment of a disease using a small molecule or non-viral biologic approach.  
**Funding:** Not limited

**American Diabetes Association Core Awards - Research Awards - Innovative Clinical or Translational Science (ICTS)**

**Deadline:** April 16, 2019  
**Description:** Support research with novel and innovative hypotheses, performed in human subjects, or research approaches to accelerate the transition of scientific discoveries into clinical application. Studies supported with these awards must directly involve human subjects, human samples and/or data, and offer considerable promise for advancing the cure, prevention or treatment of diabetes. Applications proposing high-risk projects with the potential for high-impact results are encouraged, as are studies that may not be sufficiently developed for traditional funding sources. 20% of total costs may be requested for PI salary support  
**Funding:** Up to $600,000. Provides up to $200,000 per year for up to three years, including indirects.

**American Diabetes Association (ADA) Core Program - Research Awards: Innovative Basic Science Award**

**Deadline:** April 16, 2019  
**Description:** These awards support basic research with novel and innovative hypotheses in any area relevant to the etiology or pathophysiology of diabetes and its complications that holds significant promise for advancing the prevention, cure or treatment of diabetes. Applications proposing high-risk projects with the potential for high-impact results are encouraged, as are studies that may not be sufficiently developed for traditional funding sources.
**Funding:** $345,000 Awards provide up to $115,000 per year for up to three years, including indirect costs. Up to 20% of total costs may be requested for PI salary support

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<th>Cardinal Health Foundation</th>
<th>Effectiveness, Efficiency and Excellence in Healthcare (E3)</th>
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<td><strong>Deadline:</strong> Anticipated December 9, 2019</td>
<td><strong>Description:</strong> Cardinal Health develops and supports programs that help healthcare providers implement best practices that can truly transform patient care. The foundation is seeking proposals that include the following criteria in 2017:</td>
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<td>- Supporting the best use of medications, especially at transitions across the continuum of care from the hospital to home/to ambulatory settings.</td>
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<td>- Managing diabetes and/or multiple chronic diseases</td>
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<td>- Being informed by and implementing emerging innovations that have been tested and are supported by data showing success in improving outcomes, reducing cost or accelerating the rate of change in healthcare</td>
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<td>- Engaging patients and their caregivers/families as well as healthcare leadership</td>
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<td>- Publishing or otherwise sharing outcomes</td>
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<td>- Finding innovative and sustainable ways to effect long-term change.</td>
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<td><strong>Funding:</strong> $35,000 per year</td>
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| Gastrointestinal/Digestive/Bariatric/Colon/Rectal |
| American Gastroenterological Association (AGA) | AGA-Elsevier Gut Microbiome Pilot Research Award |
| **Deadline:** Anticipated January, 2019 |
**Description:** To provide funds for early career investigators at any career stage researching projects on the relationship of the gut microbiota to digestive health and disease. To help establish research careers or to support projects that represent new research directions for established investigators. Projects must focus on the relationship of the gut microbiota to digestive health and disease. Career Development, Established Investigators, Young Investigators.

**Funding:** $25,000 1 year

**American Gastroenterological Association (AGA) Research Foundation**

**AGA-Allergan Foundation Pilot Research Award in Gastrointestinal Health**

**Deadline:** Anticipated January, 2019

**Description:** Research Award in Gastroesophageal Reflux Disease: funds research projects that focus on the pathophysiology, diagnosis, treatment or prevention of gastroesophageal reflux disease (GERD). Eligible researchers may be at any career stage; however, early career investigators (MDs no more than seven years out of training and PhDs no more than seven years beyond receipt of terminal degree) must have a preceptor to supervise and mentor during the course of the project. AGA membership is required.

**Funding:** $30,000 1 year

**American Gastroenterological Association (AGA)**

**AGA-Boston Scientific Technology and Innovation Pilot Award**

**Deadline:** Anticipated January, 2019

**Description:** Provides funds for early career and established investigators working in gastroenterology, hepatology or related areas focused on technology and innovation. Projects must focus on medical technologies relevant to the diagnosis or treatment of digestive or liver diseases, including but not limited to using an existing technology for a new application; evaluating clinical and/or patient-reported outcomes associated with a technology; assessing the health economics of a medical technology; studying the impact of appropriate use of technology in clinical practice; or creating and testing a new device. Developing a novel technology that has applications to clinical care and research; Developing a new diagnostic or therapeutic device; Designing/testing a significant improvement to existing technology; or Developing a novel research method technology.

**Funding:** $30,000 1 year

**American Gastroenterological Association**

**AGA-Pfizer Young Investigator Pilot Research Award in Inflammatory Bowel Disease**

**Deadline:** January 11, 2019

**Description:** Provides funding for recipients at any career stage researching new directions focused on improving the diagnosis and treatment of inflammatory bowel disease (IBD). The objective of this pilot research award is to provide funds for early career investigators to help establish their research careers or to support projects that represent new research directions for established investigators. Projects must focus on new research areas that could improve the diagnosis and treatment of IBD. Candidates for this award must hold an MD, PhD, or equivalent degree and a full-time faculty position at an accredited North American institution. AGA membership is required at the time of application.

**Funding:** $30,000 1 year

**American Gastroenterological Association**

**AGA-Allergan Foundation Pilot Research Award in Irritable Bowel Syndrome**

**Deadline:** January 11, 2019

**Description:** This award is for an investigator at any career stage researching the pathophysiology and/or treatment of irritable bowel syndrome (IBS). The objective of this pilot research award is to provide funds for early career investigators to help establish their research careers or to support projects that represent new research directions for established investigators. Projects must focus on the pathophysiology and/or treatment of IBS and clearly state how the research will impact the care of patients with IBS.

**Funding:** $30,000 1 year

**American Gastroenterological Association**

**AGA-Caroline Craig Augustyn & Damian Augustyn Award in Digestive Cancer**
Deadline: January 11, 2019  
**Description:** To support early career investigators conducting research relevant to the pathogenesis, prevention, diagnosis, or treatment of digestive cancer. Intended to supplement existing career development funding. Candidates for this award must hold an MD, PhD or equivalent degree and a full-time faculty position at an accredited institution. Research must be conducted at an accredited North American institution. Candidate must hold an NIH K series (e.g. K01, K08, K23, K99, R00) or other federal/non-federal career development award of at least four years’ duration. There must be at least one year remaining on the award by July 1, 2018. MD applicants are considered “early career” if no more than seven years have elapsed following the completion of clinical training (GI fellowship or its equivalent) at the start date of this award. PhD applicants are considered “early career” if no more than seven years.

**Funding:** $40,000 for one year

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**Society for Surgery of the Alimentary Tract**  
**Deadline:** Anticipated January 12, 2019  
**Description:** Both basic and clinical investigations in digestive diseases are supported through this award. Surgeons within five years of their first faculty appointment in a department of surgery who have not received funding through similar career development awards or the NIH R01 mechanism are eligible.

**Funding:** $50,000 per year for two years

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**NIH, United States Department of Health and Human Services, NIDDK**  
**Deadline:** January 25, 2019  
**Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

**Funding:** $6.25 MM in direct costs over 5 years

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**NIH, NIDDK**  
**Deadline:** February 5, 2019  
**Description:** PA-18-330 Invites applications for investigator-initiated clinical trials within the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) to be conducted at no more than two clinical research centers. NIDDK is committed to improving the health of people with diabetes and other endocrine and metabolic diseases; digestive diseases, nutritional disorders, and obesity; and kidney, urologic and hematologic diseases. Applications for clinical trials submitted under this FOA should be hypothesis driven, have clearly described aims and objectives, and have a high likelihood that the trial findings will improve understanding, diagnosis, prevention or treatment of the diseases studied and have the potential to impact clinical practice and/or public health.

**Funding:** Not limited

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**Kenneth Rainin Foundation**  
**Deadline:** Anticipated Letter of Intent: February 15, 2019. Full proposals are by invitation only  
**Description:** The Foundation supports research that is potentially transformative to diagnosing, treating and curing Inflammatory Bowel Disease. The Innovator Awards program provides grants for research projects, which due to their ground-breaking nature, may not be suitable for funding from more traditional sources, such as the National Institutes of Health (NIH). To date, the Foundation has funded projects in the following areas: Bioengineering
- Diet and Nutrition
- Epithelial Cell/Molecular Biology
- Fecal Microbiota Transplant
- Immunity and Inflammation
- Microbiome
- Therapeutic Development and Delivery

**Basic Science:** If your research proposal is rooted in basic science, we encourage you to collaborate with investigators who can further the potential for translation of your ideas and findings.

**Translational Science:** If your research proposal is translational by nature, we encourage you to identify industry and clinical partners to assist in propelling your research toward clinical study.

**Clinical Science:** If you are looking to submit a clinical research proposal, we encourage you to collaborate with individuals who could facilitate potential clinical implementation. If an applicant is submitting a clinical research proposal, the Foundation encourages the applicant to include basic scientific methodologies to examine the underlying mechanisms of the proposed intervention/treatment.

**Funding:**

- $100,000 for one year

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**American Society of Colon and Rectal Surgeons (ASCRS) Research Foundation of ASCRS SSAT and Research Foundation Joint Award**

**Deadline:** February 17, 2019

**Description:** To assist in the development of young faculty members who want to develop an active research program in colorectal diseases. To foster stronger fellowship between these two Societies through greater scientific collaboration and more comprehensive young faculty mentorship. Research focused on diseases of the lower intestinal tract. Includes, but is not limited to, inflammatory bowel disease, cancer, or benign conditions of the lower GI tract. Recipient will submit an abstract arising from his/her jointly funded research for presentation at the SSAT and/or ASCRS annual meeting(s), as well as manuscripts to either the Journal of Gastrointestinal Surgery, the official journal of the SSAT, or Diseases of the Colon and Rectum, official journal of ASCRS, for publication.

**Funding:** $50,000-$100,000

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**Obesity Medicine Association (OMA) Obesity Treatment Foundation**

**Deadline:** Anticipated Letter of Intent deadline March 2019

**Description:** To assist obesity medicine clinicians in engaging in clinical research focused on approaches to obesity treatment. The overall mission of the Obesity Treatment Foundation is to advance obesity treatment through clinical research and education, and by offering an obesity research grant to a qualifying clinician, the Foundation can help to amplify the quantity and quality of clinician-driven, practice-based research. Ultimately, enabling this type of obesity treatment research will increase the credibility of obesity medicine specialists and grow the field of obesity medicine.

**Funding:** $15,000

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**American Society of Colon and Rectal Surgeons, Research Foundation of ASCRS Surgery Resident Research Initiation Grant**

**Deadline:** March 1, 2019

**Description:** To attract General Surgery Residents or recent Graduates of such programs into the field of Colon and Rectal Surgery by providing opportunities to engage in clinical or laboratory-based… more »

Eligibility: General surgical residents or recent (within two years) graduates of a U.S. approved general surgery training program are eligible to apply. Preference is given to applicants with research or clinical career goals in the field of colon and rectal surgery and whose research mentor or co-Investigator is a Fellow of ASCRS. Applicant must have designated time for research and no clinical responsibility.

**Funding:** $40,000 Over 2 years
American Society of Colon and Rectal Surgeons

**Career Development Award**

**Deadline:** Anticipated March 1, 2019

**Description:** The goal of the CDA is to provide young surgeons with the support necessary for the initiation and development of an academic career in colorectal surgery. As opposed to the LPG awards, the CDA focuses on career development and mentorship of the individual rather than solely on the research proposal. The award is intended for the academic investigator demonstrating significant creativity in research relevant to the pathophysiology or management of diseases of the small bowel, colon, rectum, or anus.

**Funding:** $75,000 per year for 2 years

**Broad Medical Research Program**

**Deadline:** No deadline

**Description:** There is a two-step process for requesting funding from the Broad Medical Research Program for Inflammatory Bowel Disease: The first step is to submit a Letter of Interest. If the BMRP is interested in pursuing a project, an invitation is extended to submit. Grants are available for proposals that will lead to improvements in the prevention, diagnosis or therapy of Crohn’s disease or ulcerative colitis. Soliciting proposals in two areas of research: Differences in IBD incidence between developing and developed countries. The BMRP is funding research into the possible reasons for low and high incidence of IBD in different areas of the globe. Proposals should be exploratory in nature or designed as pilot. Shed light on factors that may influence low versus high global areas of prevalence of the disease and should ultimately be helpful in improved understanding of the etiology of IBD and the factors that enhance or prevent the genesis of the disease. IBD and Diabetes Mellitus. Interested in early stage exploratory innovative proposals to investigate the similarities and differences between inflammatory bowel diseases and diabetes mellitus.

**Funding:** Not limited

**Heart, Lung, and Blood**

**NIH, National Heart, Lung, and Blood Institute**

**Limited Competition: Grant for NHLBI K01/K08/K23 Recipients (R03 Clinical Trial Optional)**

**Deadline:** January 8, 2019 new date per issuance of NOT-HL-17-557 (Original Expiration Date was: September 8, 2018)

**Description:** RFA-HL-18-025: To solicit current or recently completed NHLBI K01, K08, and K23 awardees for grant support to expand their current research objectives or to branch out to a study that resulted from the research conducted under the K award. Recently completed NHLBI K01, K08, and K23 awardees are eligible to apply for the R03 if the earliest possible R03 start date falls within 2 years of their prior NHLBI K award Project Period end date. Thus, this FOA is intended to enhance the capability of NHLBI K01, K08, and K23 award recipients to conduct research as they complete their transition to fully independent investigator status. The R03 grant mechanism supports different types of projects, including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. For current and previous K23 awardees, research proposed in the R03 application may or may not include patient-oriented research. The R03 is, therefore, intended to support research projects that can be carried out in a short period of time with limited resources and that provide preliminary data to support a subsequent R01, or equivalent, application.

**Funding:** Limited to direct costs up to $50,000 per year, but need to reflect actual needs of the proposed project. The project period is two years.

**International Society for Heart and Lung Transplantation (ISHLT)**

**Research Fellowship Award**

**Deadline:** January 2019

**Description:** These awards are aimed to support trainees in basic, clinical or translational research in transplantation or mechanical circulatory support in a mentored environment.

**Funding:** $40,000 for one year
International Society for Heart and Lung Transplantation (ISHLT)  
ISHLT/Enduring Hearts Transplant Longevity Research Award  
**Deadline:** January 2019  
**Description:** The purpose of this award is to further the scientific understanding surrounding the topic of improving pediatric cardiac graft outcomes and patient quality of life. One of ISHLT's missions is to award research grants and establish endowments for the study of heart and lung transplantation and end-stage heart and lung disease. One of the missions of Enduring Hearts is to promote research to improve longevity of pediatric heart transplants, improve quality of life for transplant recipients, and ultimately reduce and eliminate pediatric heart disease. Our two organizations have joined forces to develop a new award, the ISHLT/Enduring Hearts Transplant Longevity Research Award, to meet these missions.  
**Funding:** up to $160,000 for the purpose of furthering the scientific understanding surrounding the topic of improving pediatric cardiac graft outcomes and patient quality of life.

International Society for Heart and Lung Transplantation Medtronic Sponsored ISHLT/O.H. Frazier Award in MCS Translational Research  
**Deadline:** January 2019  
**Description:** The purpose of this award is to support research-utilizing MCS that would result in an increased understanding of the biologic effects, use as sole or combined therapy, insights into patient/MCS management, innovative use/application or improved outcomes for the treatment of heart failure. This award is aimed to support rising stars in the field of mechanical circulatory support at a critical time in their career. The Award recipient will have already established a track record in the field of mechanical circulatory support and will aim to further develop their career in this area. The intent is that the Award will be for a junior faculty position dedicated to a career in the use of MCS as a treatment option for heart failure. It is anticipated that the individual will be clinician or clinician scientist at an active VAD/transplant program with a faculty appointment in either cardiology or cardiac surgery.  
**Funding:** $65,000 one year

International Society for Heart and Lung Transplantation (ISHLT)  
**Deadline:** January 15, 2019  
**Description:** To support the rising stars of basic, clinical or translational research at a critical time in their independent research career. The awardee will have already established a track record in the field of heart or lung transplantation, the failing heart or lungs or mechanical circulatory support and will aim to further develop their career in one of these areas. The results of funded research must be submitted in one of the following formats within three years of the initial date of funding:  
- as a manuscript to the Journal of Heart and Lung Transplantation  
- as an abstract for the ISHLT Annual Meeting and Scientific Sessions  
- as a report for publication in the Journal of Heart and Lung Transplantation  
The applicant and the applicant's sponsor/chief must be members of the ISHLT in good standing at the time of application and throughout the period of funding.  
**Funding:** $160,000 ($80,000 per year for 2 years)

NIH, HHS, NIDDK  
**Deadline:** January 25, 2019  
**Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK

University of Minnesota Department of Surgery Research Funding Opportunities
scientific program areas can be found at http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx

**Funding:** Applications should not request more than $6.25 MM in direct costs over 5 years

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### LUNGeuty Foundation

**Career Development Awards for Translational Research**

**Deadline:** Anticipated letter of intent February 2019. Full application due (by invitation only) May 2019

**Description:** LUNGeuty's Career Development Awards for Translational Research program was created to support future research leaders who will keep the field of lung cancer research vibrant with new ideas. Funded projects are expected to have a direct impact on the early detection of lung cancer or on the outcomes of lung cancer, or to provide a clear conceptual or experimental foundation for the future development of methods for early detection and/or individualized treatment, including through targeted therapy and immunotherapy. Only 1 award per institution.

**Funding:** $300,000 for 3 years

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### NIH

**The Mechanistic Role of the Microbiome in the Pathobiology of Heart, Lung, Blood, and Sleep Diseases (R01- No Clinical Trial)**

**Deadline:** February 5, 2019

**Description:** To support functional microbiome research focused on understanding the molecular, immunological and physiological mechanisms by which the microbiota (gut, lung, oral, including bacteria, viral and fungal microflora) and its derived factors modulate heart, lung, blood and sleep (HLBS) biology and physiology to promote health or contribute to disease. This FOA encourages mechanistic studies using in vitro, in vivo and/or ex vivo models that focus on the mechanistic and functional involvement of the microbiome and their components in the modulation or activation of host pathways. The goal is to provide the critical knowledge to guide early translational approaches for better understanding and treatment of HLBS conditions in adults and children. Encourages multidisciplinary collaborations among scientists in a wide range of disciplines including (but not limited to) cardiology, pulmonology, hematology, sleep science, circadian biology, immunology, ‘-omic’ sciences, microbiology, microbial ecology, biotechnology, and bioinformatics. Potential examples of the scientific questions that could be addressed in response to this FOA include, but are not limited, to the following:

- What specific microbial metabolites or microbial activated pathways contribute to poor outcomes such as immune dysfunction and disease relapse following hematopoietic stem cell transplantation?
- What specific microbial metabolites or microbial-activated pathways contribute to blood pressure regulation?
- What is the influence of the gut and/or lung microbiome on processes associated with the progression of pulmonary fibrosis (e.g., alveolar epithelial injury, fibroblast differentiation, extracellular matrix remodeling, immune cell activation)?
- What is the role of microbiota in the pathogenesis of sickle cell disease, such as patients presenting with vaso-occlusive crisis?
- What circadian abnormalities in host and microbiota functions impair hormonal, metabolic, and immunological inter-relationships associated with HLBS pathobiology and disease?
- What host mechanisms are affected by sleep deficiency and lead to pathobiological changes in microbiota composition associated with increased risk of disease?
- What is the impact of the donor and/or recipient gut microbiome on graft survival following lung transplantation (e.g., what are the mechanistic associations between the gut microbiome and the development of lung allograft rejection)?
- What are the interactions between host and microbiome (activation pathways and molecules) that contribute to differences in clinical phenotypes and disease courses between patients?
- How does the microbiota or microbial metabolites impact hematopoiesis, the hematopoietic niche, and blood stem cell homing?
- Elucidate the networks between innate and adaptive immunity in HLBS diseases and the effect of dysbiosis in such networks

**Funding:** Not limited

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### NIH, NHLBI

**Ethical, Legal, and Social Implications (ELSI) of Genomics Exploratory/Developmental Research Grant Program (R21)**
Deadline: February 16, 2019
Description: PA-17-446: Invites Exploratory/Developmental Research Grant (R21) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. These applications should propose single or mixed methods studies that break new ground, extend previous discoveries in new directions or develop preliminary data in preparation for larger studies. Of particular interest are studies that explore the implications of new or emerging genomic technologies or novel uses of genomic information.
Funding: No more than $275,000 in direct costs for the two year project, with no more than $200,000 in direct costs in a single year.

American College of Chest Physicians (ACCP) CHEST Foundation Alpha-1 Foundation Research Grant in Alpha-1 Antitrypsin Deficiency
Deadline: Anticipated April 9, 2019
Description: 2018 marks the 12th year of the successful partnership between the CHEST Foundation and Alpha-1 Foundation in sponsoring a 1-year clinical research grant in alpha-1 antitrypsin (AAT) deficiency. The Alpha-1 Foundation is committed to finding a cure for alpha-1 antitrypsin (AAT) deficiency and to improving the lives of people affected by alpha-1 worldwide. Its grants and awards programs fund a broad range of research that leads to improvements in the health and quality of life of people living with AAT. Applicant Qualifications
- CHEST membership at time of application.
- Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their career.
- Teams are encouraged to apply but must have a representative to serve as the Principle Investigator who will apply as an individual and will receive recognition if awarded.
- IRB approval must be sought/received for all projects to assure protection of subjects.
- Not-for-profit organizations and institutions are eligible to apply.
Funding: $25,000 (one year)

American College of Chest Physicians (ACCP) CHEST Foundation Research Grant in Chronic Obstructive Pulmonary Disease
Deadline: Anticipated April 9, 2019
Description: Applications must address clinical, population, or community engagement/health services aspects of COPD with relevance to the prevention and/or reduction in morbidity or mortality associated with COPD. Higher-level translational research project preferred (T1-T5); basic (cellular or animal) research projects will not be considered. This grant is supported by AstraZeneca LP. Applicant Qualifications
- CHEST membership at time of application.
- Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers.
- Teams are encouraged to apply but must have a representative to serve as the Principal Investigator who will apply as an individual and will receive recognition if awarded.
Funding: $50,000 (one year)

American College of Chest Physicians, CHEST Foundation CHEST Foundation Community Service Grant Honoring D. Robert McCaffree
Deadline: Anticipated April 9, 2019
Description: D. Robert McCaffree, MD, Master FCCP, created the Governors Community Service Awards during his term as the President of the American College of Chest Physicians. Support is given to nonprofit and nongovernmental agencies in which health-care professionals generously donate their time and medical expertise. The grant is intended to support significant community-based projects worldwide that demonstrate a clear positive impact on the lung health of a community and have the potential for long-term sustainability and reproducibility.
Projects may focus on the following areas:
- K-12 Student Education
- Patient/Caregiver Education
- Community Health Education/Awareness
- Health-care Worker Education
- Clinic/Medical Center Training/Education

**Funding:** $2,500-$15,000 (one year)

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<tr>
<th>NIH Research to Optimize Integration of Proven Interventions for Heart, Lung, and Blood Diseases and Sleep Disorders into Practice</th>
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<tr>
<td><strong>Deadline:</strong> June 14, 2019</td>
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<tr>
<td><strong>Description:</strong> RFA-HL-19-014: Seeking applications that propose to develop and test T4 implementation strategies to identify facilitators and overcome barriers in the adaptation, integration, scale-up, and sustainability of proven-effective interventions and guidelines for preventing and/or managing heart, lung, and blood diseases and/or sleep disorders (HLBS conditions). The proposed implementation strategies must be adaptable and responsive to community needs and contexts, and must account for cultural and organizational factors. For purposes of this FOA, T4 Implementation Research is defined as research to identify strategies to enhance sustainable uptake of proven-effective interventions into routine clinical practice.</td>
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<td><strong>Funding:</strong> $485,000</td>
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### Immunology

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<tr>
<th>American Association for Cancer Research (AACR) Kure It-AACR Research Grant for Immunotherapy in Kidney Cancer</th>
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<tr>
<td><strong>Deadline:</strong> Anticipated February 15, 2019</td>
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<tr>
<td><strong>Description:</strong> The AACR-Kure It Research Grant for Immunotherapy in Kidney Cancer represents a joint effort to promote and support innovative cancer research. This grant is available to study immunological aspects of, or treatments for, kidney cancer. Research projects should advance the basic knowledge of tumor immunology mechanisms, or develop new concepts in the treatment, control, or prevention of kidney cancer by immunology-based therapeutic approaches. Proposed projects may be basic, translational, clinical, or epidemiological in nature and must focus on cancer immunology including, but not limited to: immune recognition, regulation, tumor escape, and therapeutic manipulation for kidney cancer. Applications are invited from researchers currently in the field as well as investigators with experience in other areas of cancer or biomedical immunology research who have promising ideas and approaches that can be applied to kidney cancer research. A track record of research in this specific field is not a requirement for funding. Applicants must have a medical and/or doctoral degree in a related field. Applications will be accepted from independent investigators at all levels who are affiliated with an academic, medical or research institution anywhere in the world.</td>
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<td><strong>Funding:</strong> $250,000</td>
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<th>Kenneth Rainin Foundation Health: Innovator Awards</th>
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<tr>
<td><strong>Deadline:</strong> Anticipated Letter of Intent: February 15, 2019. Full proposals are by invitation only</td>
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<tr>
<td><strong>Description:</strong> The Foundation supports research that is potentially transformative to diagnosing, treating and curing Inflammatory Bowel Disease. The Innovator Awards program provides grants for research projects, which due to their ground-breaking nature, may not be suitable for funding from more traditional sources, such as the National Institutes of Health (NIH). To date, the Foundation has funded projects in the following areas: Bioengineering, Diet and Nutrition, Epithelial Cell/Molecular Biology, Fecal Microbiota Transplant, Immunity and Inflammation</td>
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<tr>
<td><strong>Funding:</strong> $250,000</td>
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</table>
Basic Science: If your research proposal is rooted in basic science, we encourage you to collaborate with investigators who can further the potential for translation of your ideas and findings.

Translational Science: If your research proposal is translational by nature, we encourage you to identify industry and clinical partners to assist in propelling your research toward clinical study.

Clinical Science: If you are looking to submit a clinical research proposal, we encourage you to collaborate with individuals who could facilitate potential clinical implementation. If an applicant is submitting a clinical research proposal, the Foundation encourages the applicant to include basic scientific methodologies to examine the underlying mechanisms of the proposed intervention/treatment.

Funding: $100,000 for one year

American Association of Immunologists (AAI) AAI Public Policy Fellows Program (PPFP)

Deadline: Anticipated March 19, 2019

Description: The primary goals of the program are to 1) help AAI members, early in their careers, better understand the role of the President and Administration, Congress, and the National Institutes of Health in determining the policies that affect biomedical research, and 2) teach participants how best to advocate for, and impact, these policies that guide their careers. The program will also help ensure that AAI has within its ranks a cadre of well-informed scientists who can help lead the organization’s public policy efforts in the future. All PPFP Fellows are selected by the AAI Committee on Public Affairs. Applicants are required to:
- have received their Ph.D., M.D., or equivalent within the previous 10 years in immunology or a related field;
- be a member in good standing of AAI (must be a member at the time of application and throughout the Fellowship year);
- be committed to a career in biomedical research;
- have excellent interpersonal and communication skills; and
- have an interest in public policy as it relates to biomedical research.

Funding: $400,377

American Association of Immunologists (AAI) AAI Careers in Immunology Fellowship Program

Deadline: Anticipated March 19, 2019

Description: The AAI Careers in Immunology Fellowship Program supports the career development of young scientists by providing eligible PIs with one year of salary support for a trainee in their labs. The fellowship does not pay fringe benefits or other indirect costs to the institution.

Funding: $300,228

Nephrology/Endocrine/NIDDK

NIH, HHS, NIDDK NIDDK Program Projects (P01 Clinical Trial Optional)

Deadline: January 25, 2019

Description: PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found at [http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx](http://www.niddk.nih.gov/research-funding/process/apply/about-funding-mechanisms/niddk-collaborative-grants-comparison/Pages/default.aspx)

Funding: $6.25 MM (5 years)
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<tr>
<th>American Society of Nephrology (ASN)</th>
<th>Homer W. Smith Award</th>
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<td><strong>Deadline:</strong> Anticipated January 26, 2019</td>
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<td><strong>Description:</strong> The award is presented annually to an individual who has made outstanding contributions which fundamentally affect the science of nephrology, broadly defined, but not limited to, the pathobiology, cellular and molecular mechanisms and genetic influences on the functions and diseases of the kidney. Eligibility: To nominate a candidate, please submit one letter of nomination and the nominee's curriculum vitae (CV). Please note that ASN can only accept one nomination letter per candidate, although the letter may have multiple signatories. <strong>Funding:</strong> Unspecified</td>
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<tr>
<th>American Society of Nephrology (ASN)</th>
<th>Young Investigator Award</th>
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<td><strong>Deadline:</strong> Anticipated January 26, 2019</td>
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<td><strong>Description:</strong> The award consists of a certificate of recognition, an unrestricted grant of $5,000 to the laboratory of the awardee, and paid travel expenses to the meeting. The Young Investigator Award recipient also gives a presentation during the plenary session at the annual meeting. <strong>Funding:</strong> $5,000</td>
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<tr>
<th>American Society of Nephrology (ASN)</th>
<th>Belding H. Scribner Award</th>
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<td><strong>Deadline:</strong> Anticipated January 26, 2019</td>
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<tr>
<td><strong>Description:</strong> The Belding H. Scribner Award is presented annually to one or more individuals who have made outstanding contributions that have a direct impact on the care of patients with renal disorders or have substantially changed the clinical practice of nephrology. Established in 1995, this award honors the physician who developed the arteriovenous shunt that first made long term hemodialysis for chronic renal failure possible. <strong>Funding:</strong> Unspecified</td>
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<tr>
<th>American Society of Nephrology (ASN)</th>
<th>John P. Peters Award</th>
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<td><strong>Deadline:</strong> Anticipated January 26, 2019</td>
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<td><strong>Description:</strong> This award recognizes individuals who have made substantial research contributions to the discipline of nephrology and have sustained achievements in one or more domains of academic medicine including clinical care, education and leadership. <strong>Funding:</strong> Unspecified</td>
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<tr>
<th>American Society of Nephrology (ASN)</th>
<th>Robert G. Narins Award</th>
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<td><strong>Deadline:</strong> Anticipated January 26, 2019</td>
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<tr>
<td><strong>Description:</strong> The Robert G. Narins Award honors individuals who have made substantial and meritorious contributions in education and teaching. This award is named for Robert G. Narins, who is also the first recipient of the award. <strong>Funding:</strong> Unspecified</td>
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Applications are invited from researchers currently in the field as well as investigators with experience in other areas of cancer or biomedical immunology research who have promising ideas and approaches that can be applied to kidney cancer research. A track record of research in this specific field is not a requirement for funding. Applicants must have a medical and/or doctoral degree in a related field. Applications will be accepted from independent investigators at all levels who are affiliated with an academic, medical or research institution anywhere in the world.

**Funding:** $250,000

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<tr>
<th><strong>NIH</strong></th>
<th><strong>Alcohol-Induced Effects on Tissue Injury and Repair (R21)</strong></th>
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<tr>
<td><strong>Deadline:</strong> February 16, 2019</td>
<td><strong>Description:</strong> PA-17-296: This FOA encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol's effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol's effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.</td>
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<tr>
<td><strong>Funding:</strong> $275,000 over two years (no more than $200,000 per year)</td>
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<tr>
<th><strong>Vifor Pharma Group Relypsa, Inc.</strong></th>
<th><strong>Nephrology and Cardiology Fellowship Grant Program</strong></th>
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<tr>
<td><strong>Deadline:</strong> March 1, 2019</td>
<td><strong>Description:</strong> The objective of the Relypsa Nephrology and Cardiology Research Grant is to provide a grant to eligible institutions to fund fellowship research projects in the area of hyperkalemia and associated disorders.</td>
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<tr>
<td><strong>Funding:</strong> $50,000 (one academic year)</td>
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<tr>
<th><strong>NIH, HHS, NIDDK</strong></th>
<th><strong>NIDDK Program Projects (P01 Clinical Trial Optional)</strong></th>
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<tr>
<td><strong>Deadline:</strong> May 25, 2019</td>
<td><strong>Description:</strong> PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found <a href="#">here</a>.</td>
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<tr>
<td><strong>Funding:</strong> Applications should not request more than $6.25 MM in direct costs over 5 years</td>
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<th><strong>Alcohol-Induced Effects on Tissue Injury and Repair (R21)</strong></th>
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<tr>
<td><strong>Deadline:</strong> June 16, 2019</td>
<td><strong>Description:</strong> PA-17-296: This FOA encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol's effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol's effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.</td>
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<td><strong>Funding:</strong> $250,000</td>
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recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol’s effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol’s effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.

**Funding:** $275,000 over two years (no more than $200,000 per year)

### NIH, HHS, NIDDK

**NIDDK Program Projects (P01 Clinical Trial Optional)**

**Deadline:** September 25, 2019

**Description:** PAR-18-012: Invites submission of investigator-initiated program project applications. New biologic knowledge will come from both sole investigators following their vision and from teams of scientists sharing their expertise. Some complex biomedical problems require a multidisciplinary vantage point to discover an innovative solution. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, selected endocrine and metabolic diseases, obesity, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found [here](#).

**Funding:** Applications should not request more than $6.25 MM in direct costs over 5 years

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### The National Pancreas Foundation

**Research Grant**

**Deadline:** Anticipated January 2019

**Description:** Supports research funding related to pancreatic diseases. Research must have a direct relevance to the diagnosis and/or treatment of pancreatitis, pancreatic cancer or other pancreas diseases. Studies intended to advance knowledge in the areas of pancreatic carcinoma, and all forms of pancreatitis would be the closest to the areas of interest of the NPF.

**Funding:** $50,000 (one year)

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### American Gastroenterological Association (AGA)

**AGA-Boston Scientific Technology and Innovation Pilot Award**

**Deadline:** Anticipated January 2019

**Description:** Provides funds for early career and established investigators working in gastroenterology, hepatology or related areas focused on technology and innovation. Projects must focus on medical technologies relevant to the diagnosis or treatment of digestive or liver diseases, including but not limited to using an existing technology for a new application; evaluating clinical and/or patient-reported outcomes associated with a technology; assessing the health economics of a medical technology; studying the impact of appropriate use of technology in clinical practice; or creating and testing a new device. Developing a novel technology that has applications to clinical care and research; Developing a new diagnostic or therapeutic device; Designing/testing a significant improvement to existing technology; or Developing a novel research method technology.

**Funding:** $30,000 (one year)

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### Pancreatic Cancer Action Network (PANCAN)

**PanCAN Translational Research Grant**

**Deadline:** Anticipated January 15, 2019

**Description:** Supports an independent investigator conducting high priority pancreatic cancer research that is poised for important translational next steps to help move scientific discovery to application in patients. To be eligible for a Translational Research Grant, the research project should aim to identify novel targets and approaches to the treatment of pancreatic cancer or understand and circumvent treatment resistance. Of interest are research projects that fall into at least one of these three areas of research:
a. Immune context and tumor microenvironment interactions
b. Regulators of pathogenesis, progression, and metabolism with particular interest in epigenetic mechanisms and
c. Transcriptional networks essential for viability and maintenance of malignant phenotype.

**Funding:** $500,000 over 2 years

**NIH**

**Alcohol-Induced Effects on Tissue Injury and Repair (R21)**

**Deadline:** February 16, 2019

**Description:** PA-17-296: This FOA encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol's effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol's effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.

**Funding:** $275,000 over two years (no more than $200,000 per year)

**NIH**

**Mechanisms of Disparities in Chronic Liver Diseases and Cancer**

**Deadline:** April 4, 2019

**Description:** PAR-17-150: The purpose of the initiative is to support multidisciplinary innovative exploratory and developmental research to understand the underlying etiologic factors and the mechanisms that result in disparities in chronic liver diseases and cancer in the US. This FOA utilizes the Research Project Grant (R21) mechanism, and is suitable for early phase, pilot, or exploratory/developmental projects.

**Funding:** $275,000 over two years ($200,000 max per year)

**NIH**

**Alcohol-Induced Effects on Tissue Injury and Repair (R21)**

**Deadline:** June 16, 2019

**Description:** PA-17-296: This FOA encourages Exploratory/Developmental Research Grant Award (R21) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol's effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol's effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage.

**Funding:** $275,000 over two years (no more than $200,000 per year)
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<tr>
<th>The Association for Surgical Education (ASE)</th>
<th>ASE MERG Research Award</th>
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<tr>
<td><strong>Deadline:</strong> Anticipated January 2019</td>
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<tr>
<td><strong>Description:</strong> Intended to fund a multi-institutional research project. 3 geographically distinct sites that will advance scientific knowledge and aim to improve undergraduate, graduate, or continuing surgical education. For members to conduct new research studies of up to 2 years' duration that focus on a surgical education problem highlighted in the recent needs assessment conducted by the ASE MERG committee. These issues include, but not limited to the assessment of resident competence and/or autonomy, faculty development, milestone integration, intraoperative instruction, and remediation.</td>
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<td><strong>Funding:</strong> $10,000 (up to two years)</td>
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<tr>
<th>American Society for Laser Medicine and Surgery, Inc. (ASLMS)</th>
<th>Research Grants</th>
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<tr>
<td><strong>Deadline:</strong> Announcement anticipated Fall 2018. Anticipated pre-application January 2019. Full application anticipated March 2019</td>
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<td><strong>Description:</strong> Supports basic and clinical research to foster development and use of lasers and other related technologies in medical and surgical applications. Eligible applicants must currently be in postdoctoral or residency training, or have completed training within the last six years prior to application, and are ASLMS members.</td>
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<tr>
<td><strong>Funding:</strong> $75,000 for one year</td>
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<tr>
<th>Society of Surgical Oncology (SSO)</th>
<th>Clinical Investigator Award</th>
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<td><strong>Deadline:</strong> January 7, 2019</td>
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<td><strong>Description:</strong> To promote patient-oriented research conducted by surgical oncologists in clinical and translational science. Requesting proposals in which the applicant plays a central role in the conduct of a specific clinical research project. For example a leadership role in a clinical trial, in a prospective cancer outcomes study, or a translational research project related to a prospective clinical trial. The clinical research focus must be hypothesis-driven and must have a direct patient-oriented focus. Clinical trials may be investigator-initiated, industry-driven or organized by a cooperative group. Applicants must be surgical oncologists within 8 years of completion of training and full SSO members for at least 6 months prior to application submission to be eligible for the award.</td>
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<td><strong>Funding:</strong> $100,000</td>
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<td><strong>Deadline:</strong> Anticipated application due date January 15, 2019</td>
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<td><strong>Description:</strong> Aimed to support the rising stars of basic, clinical or translational research at a critical time in their independent research career. The awardees will have already established a track record in the field of heart or lung transplantation, the failing heart or lungs or mechanical circulatory support and will aim to further develop their career in one of these areas.</td>
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<td><strong>Funding:</strong> $160,000 ($80,000 a year for 2 years)</td>
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<th>International Society for Heart and Lung Transplantation (ISHLT)</th>
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<tr>
<td><strong>Funding:</strong></td>
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ISHLT in good standing at the time of application and throughout the period of funding, must have completed post-graduate training (post-doctoral training for scientists or post Board certification/accreditation/staff appointment for clinicians).

**Funding:** $160,000 ($80,000 a year for 2 years)

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<tr>
<th>International Anesthesia Research Society</th>
<th>Frontiers in Anesthesia Research Award</th>
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<tr>
<td><strong>Deadline:</strong> January 31, 2019</td>
<td><strong>Description:</strong> The Frontiers in Anesthesia Research Award (FARA) is awarded triennially and is the largest IARS research grant. The FARA fosters innovation and creativity by an individual investigator, funding projects with significant originality and scientific excellence. Projects must have direct relevance to anesthesiology and play a critical role in the scientific evolution of a novel concept. Applicants must demonstrate commitment to research and the potential for leadership.</td>
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<td><strong>Funding:</strong> $160,000</td>
<td><strong>Funding:</strong> $750,000</td>
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<tr>
<th>NIH</th>
<th>K08-Mentored Clinical Scientist Research Career Development Award</th>
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<td><strong>Deadline:</strong> February 12, 2019</td>
<td><strong>Description:</strong> The purpose of this program is to prepare clinically trained individuals for careers that have a significant impact on the health-related research needs of the Nation. This program provides support and protected time for an intensive, supervised research career development experience in the fields of biomedical, behavioral, or clinical research, including translational research.</td>
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<td><strong>Funding:</strong> Determined by FOA</td>
<td><strong>Funding:</strong> $175,000</td>
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<tr>
<th>Joan L. and Julius H. Jacobson II</th>
<th>Promising Investigator Award</th>
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<td><strong>Deadline:</strong> February 22, 2019</td>
<td><strong>Description:</strong> To recognize outstanding surgeons engaging in research, advancing the art and science of surgery, and demonstrating early promise of significant contribution to the practice of surgery and the safety of surgical patients.</td>
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<td><strong>Funding:</strong> $30,000</td>
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<tr>
<th>International Anesthesia Research Society</th>
<th>IARS Mentored Research Awards</th>
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<tr>
<td><strong>Deadline:</strong> April 30, 2019</td>
<td><strong>Description:</strong> The IARS Awards are intended to support investigations that will further the understanding of clinical practice in anesthesiology and related sciences. The grants are intended to help create future leaders and prepare applicants to apply for independent research funding.</td>
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<tr>
<th>Society of University Surgeons (SUS)</th>
<th>Junior Faculty Award</th>
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<td><strong>Deadline:</strong> May – June 2019 (continuous)</td>
<td><strong>Description:</strong> For surgical faculty members in the United States or Canada in any of the surgical disciplines who have completed a surgical residency or clinical fellowship post-graduate training program to support their research in the basic, clinical/outcomes, or translational surgical sciences.</td>
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<td><strong>Funding:</strong> $30,000</td>
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<tr>
<th>Society of University Surgeons (SUS)</th>
<th>Resident-Scholar-Research-Awards</th>
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<td><strong>Deadline:</strong> May – June 2019 (continuous)</td>
<td><strong>Description:</strong> For residents in any of the surgical disciplines doing basic/translational, clinical, health services, or surgical education research. Residents will have completed at least two years of training by start date and agree to spend one year in full-time research with a SUS member.</td>
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<td><strong>Funding:</strong> $30,000</td>
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**University of Minnesota Department of Surgery Research Funding Opportunities**

### Global Brain and Nervous System Disorders Research Across the Lifespan (R01)

**Funding:** $30,000 1 year

**Deadline:** November 7, 2019

**Description:** Encourages grant applications for the conduct of innovative, collaborative research projects between U.S. and low-and middle-income country (LMIC) scientists, on brain and other nervous system function and disorders throughout life, relevant to LMICs (including neurological, mental, behavioral, alcohol/substance use disorders and spanning the full range of science from basic to implementation research). Scientists in upper middle-income LMICs (UMICs) are eligible to partner with scientists at other LMIC institutions with or without out a US partner. The collaborative research programs expect to contribute to long-term goals of building/strengthening sustainable research capacity in LMICs to address nervous system development, function/impairment and lead to diagnostics, prevention, treatment and implementation strategies.

**Funding:** Not limited (must reflect the actual needs of the proposed project, up to 5 years) $75,000 for one year

### Plastic Surgery

#### American Academy of Facial Plastic and Reconstructive Surgery Fellowship Program

**Deadline:** Anticipated February 1, 2019

**Description:** The AAFPRS fellowship program represents the finest postgraduate program in the world for the training of facial plastic and reconstructive surgeons. Eligible physicians may apply for more than 40 positions available each year. Since its beginning in 1969, the program has prepared more than 900 highly specialized experts to be educators and leaders in facial plastic and reconstructive surgery. These individuals and their directors have performed a tremendous service to the AAFPRS Foundation and the specialty through the development and dissemination of new procedures, improvement of patient care, refinement of surgical techniques, and the promotion of confidence and respect in the specialty. 

**Prerequisites:** Applicants to the Fellowship Program must be physicians who are in or have completed an otolaryngology or plastic surgery residency program accredited by the Accreditation Council for Graduate Medical Education (ACGME) or Royal College of Physicians and Surgeons of Canada (RCPSC) or board-certified in otolaryngology-head and neck surgery or plastic surgery. Applicants must be members of the AAFPRS before submitting a fellowship application. Applicants should not be full-time faculty members holding the rank of assistant professor or higher at the institution where the fellowship will take place.

**Funding:** Unannounced. $125.00 late fee for applications turned in late

### Plastic Surgery Foundation (PSF)

#### The PSF/MTF Biologics Allograft Tissue Research Grant

**Deadline:** Anticipated December 1, 2019

**Description:** The PSF and MTF Biologics offer research grants to investigators studying allograft tissue transplantation in plastic and reconstructive surgery. These grants are intended to provide support for research projects focused on biologic reconstruction with a strong clinical translation component that utilize dermal, adipose, placental or other allograft transplant technologies. The PSF and MTF Biologics offer research grants for projects with a high likelihood of impact on scientific discipline and/or on patient care. Both clinical and basic science research projects will be considered for submission.

Examples of clinical technologies of interest include but are not limited to the use of allograft biologics in breast reconstruction, wound healing, nose reshaping, soft tissue defect filling, allograft in fat transplantation and injection, use of allograft in tissue engineering or bioprinting, and other applications of allograft tissue in plastic and reconstructive surgery. Clinical evaluation of allograft tissues will also be considered for funding, following the same scientific topics and technologies previously described. Proposals focusing solely on autologous grafts and synthetic applications that do not incorporate investigation of allograft use are beyond the scope of this award.

**Funding:** Up to $100,000 for projects up to 2 years

### Plastic Surgery Foundation (PSF)

#### The PSF Translational Research Grant
Deadline: Anticipated December 1, 2019
Description: To accelerate the translation of scientific discoveries and technical developments into practical solutions that improve human health through innovation funding, and to encourage collaborative, transdisciplinary work to accelerate the translation of medical discoveries into improved health. These seed grants will be awarded in the areas of medical technology, therapeutics, diagnostics, population health sciences and community engagement. Examples include, but are not limited to, prototype device development, preclinical studies and pilot clinical studies.
Funding: $50,000 for 1-year projects

**Plastic Surgery Foundation (PSF)**

**The Scott Spear Innovation in Breast Reconstruction Research Fellowship**

Deadline: Anticipated December 1, 2019
Description: This new grant was developed and is being offered this year in memory of ASPS Past President and Georgetown University Hospital Department of Plastic Surgery Department Founding Chair, Scott Spear, MD and the Spear family’s desire to nurture and grow the training and expertise of young academicians considering a career in breast reconstruction and patient care. This grant opportunity is available to residents and fellows and provides salary support to undertake a research project under the guidance of an experienced mentor. The application must describe a structured research training plan, and a research project focused on breast cancer or breast reconstruction. Funding for this new program comes from the Allergan Foundation.
Funding: Up to $72,500 for 1-year projects. $50,000 for salary support and $22,500 for research

**Plastic Surgery Foundation (PSF)**

**Pilot Research Grant**

Deadline: Anticipated December 1, 2019
Description: The PSF Pilot Research Grant is intended to support residents and junior faculty in their efforts to address focused research questions, obtain preliminary data to support larger grant proposals in the future, and develop a line of research that can be carried forward into an academic career. This grant supports the preliminary or pilot phase of these research projects. Senior investigators are encouraged to use other funding mechanisms, but may apply for this grant if they are proposing a new research concept or novel idea for which no prior funding has been obtained. Projects that are a prelude to the NIH or other external funding agencies are encouraged.
Funding: Up to $10,000 for 1-year pilot projects

**Plastic Surgery Foundation (PSF)**

**National Endowment for Plastic Surgery**

Deadline: Anticipated December 1, 2019
Description: The National Endowment for Plastic Surgery Grant is intended to support research projects which translate clinical or basic science research findings into clinically relevant advancements or tools with a high likelihood of impacting daily practice and patient care within the next few years. Applications will be evaluated based upon the importance of the study question, soundness of study design, demonstration of study feasibility through preliminary/pilot data, the quality of the investigator team, and use of appropriate statistical and analytic methods.
Funding: Up to $50,000 for projects up to 2 years

**Plastic Surgery Foundation (PSF)**

**ASE/PSF Combined Research Grant**

Deadline: Anticipated December 1, 2019
Description: The Plastic Surgery Foundation (PSF) and the Association for Surgical Education (ASE) recognize the importance of fostering the development of surgeon scientists that yield improvements in patient care in surgery. The ASE/PSF Combined Research Grant is intended to fund a research project that will advance the scientific knowledge and aim to develop and validate new methods of surgical care. Research projects that focus on surgical education and training in the area of plastic surgery are encouraged.
Funding: Up to $15,000 for 1-year projects
**Plastic Surgery Foundation (PSF)**

**Deadline:** Anticipated December 1, 2019

**Description:** The PSF supports investigators from the beginning of their careers, during residency and as they advance to becoming experienced and well-established plastic surgeons. The purpose of the Research Fellowship Grant is to encourage research and academic career development in plastic surgery. This grant is for salary support only for a Resident or Fellow to obtain training and experience in research, under the guidance of an experienced mentor. The application must describe a structured research training plan, in addition to a research project. Only already funded research projects will be considered. Evaluation of the application will place emphasis on the research training experience, research project, applicant potential, and mentor qualifications and commitment to mentoring. Research Fellowship grants must be used for salary support only.

**Funding:** Up to $50,000 for one-year

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**Surgical Technology**

**American Society for Laser Medicine and Surgery (ASLMS)**

**ASLMS Research Grant Program**

**Deadline:** Pre application anticipated January 2019. Application anticipated March 1, 2019

**Description:** Supports research projects designed to foster the development and use of lasers and other related technologies in medical and surgical applications. While the best research projects will be given priority for funding, a concerted effort will be made to award a balance of basic science and clinical research. The primary purpose of the ASLMS Research Grant Program is to conduct research which can be applied to medical and surgical care of patients. Preference will be given to proposed research projects which have a direct implication for medical or surgical applications. Grant funds may be used for all costs associated with the research project. Equipment requests included as part of a proposal will be reviewed thoroughly to determine the necessity of the equipment for the proposed research. Proposals which include equipment requests that are superfluous to the proposed research project will reduce the likelihood that the project will be considered for funding. Indirect costs (IDC or F&A) cannot exceed 10 percent of the direct cost of the project. Instructions and Guidelines

**Funding:** $70,000 for a one-year period

**American Society for Laser Medicine and Surgery (ASLMS)**

**A. Ward Ford Memorial Research Grant**

**Deadline:** Anticipated June 2019

**Description:** The A. Ward Ford Memorial Research Grant Committee in accepting grant proposals for direct clinical or basic science research investigating current use or potential new applications of laser or other light based therapy. ASLMS supports the initiatives of the A. Ward Ford Memorial Research Grant Committee. Applicants must be enrolled in or have completed an MD residency or PhD post-doctoral training at the time of application, and must be a member or applicant for membership in ASLMS at the time of the award. Information on membership can be found on the ASLMS website. Priority will be given to applicants who are interested in or entering an academic teaching or research position, but all applications will be considered.

**Grant Guidelines**

**Funding:** $65,000 for one year

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**Transplantation**

**International Society for Heart and Lung Transplantation (ISHLT)**

**Joel D. Cooper Career Development Award**

**Deadline:** January 15, 2019

**Description:** Aimed to support the rising stars of basic, clinical or translational research at a critical time in their independent research career. Applicant will have already established a track record in the field of heart or lung transplantation, the failing heart or lungs or mechanical circulatory support and will aim to further develop their career in one of these areas. The applicant and applicant's sponsor/chief must be members of the
ISHLT in good standing at the time of application and throughout the period of funding, must have completed post-graduate training (post-doctoral training for scientists or post Board certification/accreditation/staff appointment for clinicians).

**Funding:** $160,000 ($80,000 a year for 2 years)

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<th>American Society of Transplant Surgeons (ASTS)</th>
<th><strong>Enhancing Organ Donation and Transplantation</strong></th>
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<td><strong>Deadline:</strong> January 17, 2019</td>
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<tr>
<td><strong>Description:</strong> Funding that encourages transplant surgeons to actively pursue translational research and enables their transition from mentored research under an investigator to an independent investigator. Aimed at increasing efforts to expand organ donation and successfully transplant more patients and to assist ASTS members and programs to embark upon single or multi-center studies in organ donation and/or transplantation that will have impact on improving the outcomes of transplant patients.</td>
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<th><strong>Faculty Development Grant</strong></th>
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<td><strong>Deadline:</strong> January 17, 2019</td>
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<tr>
<td><strong>Description:</strong> ASTS/Astellas will provide ASTS Members with research funding in the field of organ transplantation. Designed to support a junior faculty member in the development of transplant research so further funding can be obtained. Applications for this grant will be directed toward discovery and validation of biomarkers of organ function and rejection, analysis of diagnostic and predictive patterns of donor specific alloantibodies, and elucidation of mechanisms and therapy for B cell alloantibody responses</td>
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<th>American Society of Transplant Surgeons (ASTS)</th>
<th><strong>ASTS Collaborative Scientist Grant</strong></th>
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<td><strong>Deadline:</strong> January 17, 2019</td>
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<tr>
<td><strong>Description:</strong> ASTS continues its commitment to develop collaborative research between ASTS investigators and qualified established scientists. This grant provides qualified ASTS investigators and their scientific collaborators with research funding in the field of solid organ transplantation.</td>
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<td><strong>Description:</strong> ASTS continues its commitment to provide qualified ASTS Members with research funding in the field of organ transplantation. It is designed to support a junior faculty member in the development of transplant research so that further funding can be obtained. This RFA is open to all proposal topics.</td>
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<th>Musculoskeletal Transplant Foundation (MTF)</th>
<th><strong>Biologic Extramural Research Grant</strong></th>
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<td><strong>Deadline:</strong> Anticipated February 2019</td>
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Description: The program reflects MTF Biologics’ objectives in expanding the scientific knowledge related to allografts, tissue transplantation and biologic reconstruction. MTF is soliciting translational and basic science research proposals and is interested in supporting translational and basic science research to aid in progressing innovative technologies from the bench to the clinic. Proposed studies should focus on novel research in the fields of tissue allograft transplantation, and/or tissue allograft science, novel uses of allografts, allograft derived materials and biologic reconstruction. Studies can be in the fields of orthopaedics, plastic & reconstructive and wound care surgery or novel areas for use of allografts. Seeking applications on the topics below, but other topics related to tissue allograft science and/or biologic reconstruction will be considered. 1. Use of allograft tissues and/or human-derived biologics in tissue engineering, regenerative medicine, or combination products 2. Technologies aimed at improving biologic behavior of allografts, such as viable allografts 3. Novel Uses of HCT/P allografts, including adipose-derived and placental-derived tissues in novel Indications 4. 3D Printing using allograft-derived materials and/or biologics 5. Utilization of precision medicine, molecular biology and/or genomics applications to develop patient-matched allografts Interested applicants can apply to either the Junior Investigator track or the Established Investigator track.

Funding: Junior Investigator $100,000 For 1 year. Established Investigator $300,000 Over 3 years

Arthritis National Research Foundation / American Federation for Aging Research

Deadline: January 18, 2019
Description: Studies of the underlying mechanisms by which aging processes contribute to the development of arthritis. Studies on one or more of the hallmarks of aging that include mitochondrial dysfunction, genomic instability, epigenetic alterations, loss of proteostasis, deregulated nutrient sensing, cellular senescence, stem cell exhaustion, telomere attrition and altered intercellular communication. Applications will utilize cell, tissue and animal model systems or human populations that allow for the study of the aging aspects of the condition of interest.

Funding: $100,000

NIH

Deadline: January 25, 2019
Description: Supports a broadly based, multidisciplinary, long-term research program, which has a specific objective that involves organized efforts of relatively large groups. Project is usually under the leadership of an established investigator. Supports certain basic resources used by these groups in the program, including clinical components, the sharing of which facilitates the total research effort. Projects supported should contribute or be directly related to the common theme of the total research effort and should demonstrate an essential element of unity and interdependence.

Funding: Determined by FOA

International Anesthesia Research Society (IARS)

Deadline: January 31, 2019
Description: The Frontiers in Anesthesia Research Award (FARA) is awarded triennially and is the largest IARS research grant. The FARA fosters innovation and creativity by an individual investigator, funding projects with significant originality and scientific excellence. Projects must have direct relevance to anesthesiology and play a critical role in the scientific evolution of a novel concept. Applicants must demonstrate commitment to research and the potential for leadership. Competitive applications of FARA must address one of the following areas of research:
- Fundamental Neuroscience Unknowns (including anesthesia safety in children)
- Immune, Inflammatory and Metabolic Consequences of Trauma, Surgery and Critical Care
- Best Use of Systems-Based Practice to Enhance Patient Safety & Quality

Principal applicant must be an IARS member. Candidates must be pursuing independent research careers in anesthesiology. Appropriate collaboration is encouraged. Collaboration with (an) other department(s) requires a letter of intent from the co-investigator.

Funding: Upper $750,000
 NIH

**R01 NIH Research Project Grant Program**

**Deadline:** February 5, 2019  
**Description:** The R01 is the original and oldest grant mechanism used by NIH, it provides support for health-related research and development based on the mission of the NIH. The R01 research plan proposed by the applicant must be related to the stated program interests of one or more of the NIH Institutes and Centers based on their missions. The R01 is an award made to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in an area representing the investigator's specific interest and competencies, based on the NIH mission.  
**Funding:** Determined by FOA

 NIH

**Mentored Clinical Scientist Research Career Development Award (Parent K08 Independent Clinical Trial Required)**

**Deadline:** February 12, 2019  
**Description:** PA-18-372: The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and "protected time" to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing to serve as the lead investigator of an independent clinical trial, a clinical trial feasibility study, or a separate ancillary study to an existing trial, as part of their research and career development.  
**Funding:** Award budgets are composed of salary and other program-related expenses. The total project period may not exceed 5 years.

 NIH

**Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)**

**Deadline:** February 16, 2019  
**Description:** Supports small research projects that can be carried out in a short period of time with limited resources. The NIH has standardized the R03 application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) applications. The R03 Parent FOA for investigator-initiated R03 applications can be found at PA-18-488.  
**Funding:** $100,000 ($50,000 per year for 2 years)

 Doris Duke Charitable Foundation

**Clinical Scientist Development Award**

**Deadline:** Anticipated March 2019  
**Description:** The Doris Duke Clinical Scientist Development Award provides grants to junior physician scientists to facilitate their transition to independent clinical research careers. Competitive applicants are expected to have research experience and publication records consistent with the rank of assistant professor.  
**Funding:** $45,000 (3 years)

 International Anesthesia Research Society (IARS)

**IARS Mentored Research Awards (IMRA)**

**Deadline:** April 30, 2019  
**Description:** The IARS Awards are intended to support investigations that will further the understanding of clinical practice in anesthesiology and related sciences. The grants are intended to help create future leaders and prepare applicants to apply for independent research funding. Applications for the IMRA may be in any area of investigation (clinical, translational, basic science), but must have ultimate relevance to the broad practice of anesthesiology and its subspecialties. Principal applicants for IMRA must be members of the International Anesthesia Research Society who have yet to establish substantial independent research funding or who are initiating a new area of research.  
**Funding:** $175,000 (2 years)
NIH P01 - Research Program Projects and Centers

**Deadline:** May 25, 2019

**Description:** Supports a broadly based, multidisciplinary, often long-term research program which has a specific major objective or a basic theme that generally involves organized efforts of relatively large groups, members of which are conducting research projects designed to elucidate the various aspects or components of this objective. Each project is usually under the leadership of an established investigator. The grant can provide support for certain basic resources used by these groups in the program, including clinical components, the sharing of which facilitates the total research effort. A program project is directed toward a range of problems having a central research focus, in contrast to the usually narrower thrust of the traditional research project. Projects supported through this mechanism should contribute or be directly related to the common theme of the total research effort. Projects should demonstrate an essential element of unity and interdependence, i.e., a system of research activities and projects directed toward a well-defined research program goal.

**Funding:** Determined by FOA

NIH R01 NIH Research Project Grant Program

**Deadline:** June 5, 2019

**Description:** The R01 is the original and oldest grant mechanism used by NIH, it provides support for health-related research and development. R01s can be investigator-initiated or can be solicited via a Request for Applications. The proposed research plan must be related to the stated program interests of one or more of the NIH Institutes and Centers based on their missions. The R01 is to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in an area representing the investigator's specific interest and competencies.

**Funding:** Determined by FOA

NIH K08 Mentored Clinical Scientist Research Career Development Award

**Deadline:** June 12, 2019

**Description:** The purpose of this program is to prepare clinically trained individuals for careers that have a significant impact on the health-related research needs of the Nation. This program provides support and protected time for an intensive, supervised research career development experience in the fields of biomedical, behavioral, or clinical research, including translational research.

**Funding:** Determined by FOA

NIH R21 - Exploratory/Developmental Research Grant Award

**Deadline:** June 16, 2019

**Description:** Intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development. NIH has standardized the R21 application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) grant applications. The FOA can be found at PA-16-161 and articulates the policies and procedures that apply.

**Funding:** Determined by FOA

NIH P01 - Research Program Projects and Centers

**Deadline:** September 25, 2019

**Description:** Supports a broadly based, multidisciplinary, often long-term research program which has a specific major objective or a basic theme that generally involves organized efforts of relatively large groups, members of which are conducting research projects designed to elucidate the various aspects or components of this objective. Each project is usually under the leadership of an established investigator. The grant can provide support for certain basic resources used by these groups in the program, including clinical components, the sharing of which facilitates the total research effort. A program project is directed toward a range of problems having a central research focus, in contrast to the usually narrower thrust of the traditional research project. Projects supported through this mechanism should contribute or be directly related to the common theme of the
Projects should demonstrate an essential element of unity and interdependence, i.e., a system of research activities and projects directed toward a well-defined research program goal.

**Funding:** Determined by FOA

### NIH K08 Mentored Clinical Scientist Research Career Development Award

**Deadline:** October 12, 2019  
**Description:** The purpose of this program is to prepare clinically trained individuals for careers that have a significant impact on the health-related research needs of the Nation. This program provides support and protected time for an intensive, supervised research career development experience in the fields of biomedical, behavioral, or clinical research, including translational research.  
**Funding:** Determined by FOA

### NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)

**Deadline:** October 16, 2019  
**Description:** The R03 grant will support small research projects that can be carried out in a short period of time with limited resources. The NIH has standardized the R03 application characteristics, requirements, preparation, and review procedures in order to accommodate investigator-initiated (unsolicited) applications. The R03 Parent FOA for investigator-initiated R03 applications can be found at [PA-18-488](#).  
**Funding:** $100,000 ($50,000 per year for 2 years)

### Social/Societal Funding Opportunities

#### Disparities/Diversity

**Howard Hughes Medical Institute (HHMI) Hannah H. Gray Fellows Program**

**Deadline:** Anticipated January 2019  
**Description:** Increasing diversity in biomedical research is the overall goal of this HHMI program. Designed as a transition award, initial funding takes place at the postdoctoral fellowship level and continues through the first four years of independent faculty status. In addition to financial support, this program offers recipients various career development and mentoring opportunities within the HHMI scientific network. Eligible applicants are from gender, racial, ethnic, and other groups underrepresented in the life sciences, including those from disadvantaged backgrounds. Eligible applicants must have also been accepted to join a laboratory as a postdoctoral fellow at a US institution, must have a terminal degree by award start date, and have had no more than one year of postdoctoral research experience at time of application.  
**Funding:** $20,000 per year Cflex funds to the institution; $60,000 per year up to 4 years; Postdoc level salary support $250,000 per year up to 4 years

**NIH, NHLBI Ethical, Legal, and Social Implications (ELSI) of Genomics Exploratory/Developmental Research Grant Program (R21)**

**Deadline:** February 16, 2019  
**Description:** PA-17-446: Invites Exploratory/Developmental Research Grant (R21) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. These applications should propose single or mixed methods studies that break new ground, extend previous discoveries in new directions or develop preliminary data in preparation for larger studies. Of particular interest are studies that explore the implications of new or emerging genomic technologies or novel uses of genomic information.  
**Funding:** No more than $275,000 in direct costs for the two year project, with no more than $200,000 in direct costs in a single year.

**Robert Wood Johnson Foundation Harold Amos Medical Faculty Development Program**

**Deadline:** Anticipated March 1, 2019
**Description:** Applicants are physicians from disadvantaged backgrounds (ethnic, financial, or educational), are US citizens or permanent residents, are now completing or have recently completed their clinical training (those at the assistant professor rank for one or two years may apply), and committed to developing careers in academic medicine. Work should involve improving the health of underserved populations, and working toward understanding and eliminating health disparities. Award covers postdoctoral research with a senior faculty member.

**Funding:** $420,000 (over four years)

**NIH Surgical Disparities Research (R01 Clinical Trial Optional)**

**Deadline:** June 7, 2019

**Description:** To support investigative and collaborative research focused on understanding and addressing disparities in surgical care and outcomes, in minority and health disparity populations. While the goal is to better understand and explore effectiveness of clinical intervention approaches for addressing surgical disparities, this initiative will also seek to identify multi-level strategies at the institutional and systems level.

**Funding:** Not Limited (over 5 years)

**NIH Exploratory Developmental Surgical Disparities Research (R21 Clinical Trial Optional)**

**Deadline:** June 7, 2019

**Description:** To encourage developmental and exploratory research focused on understanding and addressing disparities in surgical care and outcomes, in minority and health disparity populations. Goal is to understand and explore effectiveness of clinical intervention approaches for addressing surgical disparities, while employing multi-level strategies at the institutional and systems level.

**Funding:** $275,000 ($200,000 in any single year, 2-year project)

**Women**

**American Association of University Women Selected Professions Fellowships**

**Deadline:** January 10, 2019

**Description:** Selected Professions Fellowships are awarded to women who intend to pursue a full-time course of study at accredited U.S. institutions during the fellowship year in one of the designated degree programs where women's participation traditionally has been low.

**Funding:** $18,000

**Kosciuszko Foundation Dr. Marie E. Zakrzewski Medical Scholarship**

**Deadline:** January 15, 2019

**Description:** The scholarship is awarded each year to a young woman of Polish ancestry for first, second, or third year of medical studies at an accredited school of medicine in the U.S. This scholarship is open to female U.S. citizens of Polish descent and Polish citizens with permanent residency status (green card holders) in the U.S. who are entering first, second or third year of studies towards an M.D. degree. A minimum GPA of 3.0 is required. Selection is based on completeness, recommendations, academic excellence and achievements, interests and motivation, the applicant's essay, interest in Polish subjects or involvement in the Polish American community. Financial need is taken into consideration.

**Funding:** $3,500

**L'Oréal USA L'Oréal USA for Women in Science Fellowships**

**Deadline:** Anticipated February 2019

**Description:** Must have a conferred PhD and have started in a postdoctoral research position Must maintain the status of postdoctoral researcher throughout the fellowship year. Must be American born, naturalized citizen or permanent resident. Must be affiliated with a U.S. based academic or research institution. Must plan to conduct their postdoctoral studies and research in the U.S. Must be involved in basic research in the life and physical/material sciences, engineering & technology, computer science and mathematics. Cannot be in a faculty position Must have a commitment to supporting women and girls in science and participate in at least twenty hours of activity in support of women and girls in science.
American College of Chest Physicians (ACCP) CHEST Foundation

**Research Grant in Women’s Lung Health**

**Funding:** Up to $60,000

**Deadline:** Anticipated April 9, 2019

**Description:** Applications must address important and timely issues surrounding women’s lung health, including but not limited to diseases such as COPD and lung cancer.

**Eligibility- CHEST membership at time of application.**
- Applicants must be licensed physicians. Physicians-in-training (residents or fellows), other health-care professionals, or clinical researchers with relevant experience will also be accepted. Although applicants may be at later career stages, special consideration will be given to young investigators and applicants in early stages of their careers.
- Teams are encouraged to apply but must have a representative to serve as the Principal Investigator who will apply as an individual and will receive recognition if awarded.
- IRB approval must be sought/received for all projects to assure protection of subjects.
- Not-for-profit organizations and institutions are eligible to apply.

**Funding:** $10,000 (for one year)

Association of Women Surgeons (AWS) Foundation

**Patricia Numann Medical Student Award**

**Deadline:** May 15, 2019

**Description:** The mission of the Patricia Numann Medical Student Award is to encourage and support an outstanding female medical student who is pursuing a career in surgery. The recipient of this Award is given:
- Two complimentary dinner tickets to the AWSF Awards Dinner on Monday, October 22 in Boston, MA.
- An Award Certificate recognizing the winner’s accomplishments, presented at the Awards Dinner.
- Reimbursement for travel and lodging up to $1,000 (Travel and lodging expenses may be used to attend both the AWS events)

**Funding:** Upper $1,000

**Outcomes Research/PCORI/Improved Patient Care Opportunities**

Mayo Clinic CCaTS, the University of Minnesota CTSI, with the Minnesota Partnership for Biotechnology and Medical Genomics (MNP)

**Deadline:** LOI: February 2019; Submission: April 2019

**Description:** Supporting programs open to a broad audience that benefit patients, the scientific or medical community, and/or public health providing funding for general research, translational research, other research or development projects, and/or other initiatives of research organizations, labs, and academic institutions. Collaborations, clinical trials and associated correlative research involving or undertaken in relation to Genentech or Roche products (whether investigational and/or approved for other uses) are excluded from this type of support.

**Funding:** See FOA

Patient-Centered Outcomes Research Institute (PCORI)

**Addressing Disparities**

**Deadline:** LOI: February 13, 2019 Application: May 16, 2019

**Description:** PCORI seeks to fund studies that provide evidence to help guide decisions about how to eliminate disparities in health and health care, as well as how to ensure that people receive care according to their needs and have the opportunity to achieve the best possible health outcomes. PCORI invites applications for clinical comparative effectiveness research (CER) designed to evaluate and compare interventions intended to reduce or eliminate disparities in health and health care. Patients, caregivers, and clinicians often lack the appropriate evidence required to make the best choices regarding prevention, screening, diagnosis, monitoring, or treatment. Applications to the Addressing Disparities Program should focus on overcoming barriers that may disproportionately affect health outcomes or focus on identifying best practices for reducing
disparities in target populations (racial and ethnic minority groups; low-income groups; residents of rural areas; individuals with special healthcare needs, including individuals with disabilities; patients with low health literacy/numeracy and/or limited English proficiency; and lesbian, gay, bisexual, and transgender [LGBT] persons).

**Funding:** $2 million (small studies), $5 million (large studies); up to $8 million; Max. Project Period 3 years (small studies), 4 years (large studies)

**NIH, HHS**

**Mechanisms of Disparities in Chronic Liver Diseases and Cancer (R21)**

**Deadline:** April 4, 2019

**Description:** PAR-17-150: Supports multidisciplinary innovative exploratory and developmental research to understand the underlying etiologic factors and the mechanisms that result in disparities in chronic liver diseases and cancer in the US. This FOA utilizes the Research Project Grant (R21) mechanism, and is suitable for early phase, pilot, or exploratory/developmental projects. Investigators who are interested in proposing larger scale, later phase projects based upon substantial preliminary data should submit applications to the companion FOA PAR-17-151 of identical scientific scope which uses the NIH (R01) grant mechanism.

**Funding:** $275,000 (no more than $200,000 per year)

**NIH, HHS**

**Health Services Research on Minority Health and Health Disparities Surgical Disparities Research**

**Deadline:** April 11, 2019

**Description:** PAR-18-287: To encourage innovative exploratory and developmental health services research to improve minority health and/or reduce health disparities at the health care system-level as well as within clinical settings. Research encouraged under this FOA includes examination of health care services in health care systems such as private and public health insurance plans; physician groups; hospitals, nursing homes and assisted living facilities; academic medical centers; integrated delivery systems; and criminal justice settings. Projects may address health services pertaining to the treatment of particular health conditions, multiple health conditions, specific segments of the population, or more general indicators (e.g., access to primary care services, etc.) that may not be condition-specific. Projects may include observational/descriptive, simulation, or interventional studies and may involve primary data collection and/or secondary analysis of existing datasets. It is expected that all projects will involve the use of relevant health system-level data in some way. Projects that also use patient-reported data are encouraged, but projects that rely exclusively on patient-reported data are not a programmatic priority for funding under this FOA. Projects should include a focus on one or more NIH-designated health disparities populations. The focus is on system-wide health services research that encompasses the diversity of individuals served within these systems. It is expected that projects will include patient or participant samples that are representative of the population served by the particular health care system(s). Projects that focus on individual clinics or other treatment settings in isolation of the larger system(s) in which they are embedded are not a programmatic priority for funding under this FOA; examples of such projects include but are not limited to the following:
- Projects that recruit participants from health care systems but do not involve the examination of the organization, operation, or service delivery of those systems.
- Projects that test interventions, procedures, or service delivery approaches in a single health care setting, such an individual clinic. This applies to multi-site studies as well, if the sites reflect individual clinical sites rather than the larger health care systems to which they belong.
- Projects that include a single hospital may be considered if hospital-wide services or practices are examined (e.g., the incorporation of automated patient/provider reminders in Electronic Health Records) rather than one particular clinic or service within the hospital.

**Funding:** $275,000 (no more than $200,000 per year)

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**Education**

**Surgical Education**

**The Association for Surgical Education (ASE)**

**ASE MERG Research Award**
**Deadline:** Anticipated January 2019  
**Description:** Intended to fund a multi-institutional research project. 3 geographically distinct sites that will advance scientific knowledge and aim to improve undergraduate, graduate, or continuing surgical education. For members to conduct new research studies of up to 2 years’ duration that focus on a surgical education problem highlighted in the recent needs assessment conducted by the ASE MERG committee. These issues include, but not limited to the assessment of resident competence and/or autonomy, faculty development, milestone integration, intraoperative instruction, and remediation.  
**Funding:** $10,000 (up to two years)

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<tr>
<th><strong>Spencer Foundation</strong></th>
<th><strong>Small Research Grants</strong></th>
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<td><strong>Deadline:</strong> February 2019</td>
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<tr>
<td><strong>Description:</strong> Funds academic work that contributes to the improvement of education, broadly conceived. Previously funded work has spanned over a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and employ a wide range of research methods.</td>
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<td><strong>Funding:</strong> $50,000</td>
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<th><strong>Regenerative Medicine Minnesota</strong></th>
<th><strong>Education Program Grant</strong></th>
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<td><strong>Deadline:</strong> (Pending) February 2019</td>
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<tr>
<td><strong>Description:</strong> RMM is requesting proposals for programs that: 1) Improve student knowledge in the foundations of regenerative science and medicine. 2.) Interest, train, or retain students in careers related to regenerative medicine and science, especially from underrepresented, rural, or returning veterans. Awards must be made to an existing institution and not directly to the program director.</td>
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<td><strong>Funding:</strong> $75,000 (one year)</td>
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<tr>
<th><strong>The Foundation for Surgical Technology</strong></th>
<th><strong>Academic Surgical Technology Scholarships</strong></th>
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<td><strong>Deadline:</strong> March 15, 2019</td>
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<tr>
<td><strong>Description:</strong> The Foundation is committed to helping surgical technology students pay for tuition or pay off their educational debt. If you have the desire and ability to pursue a career in the operating room and need financial assistance, you should apply for a scholarship. To be eligible, you must demonstrate superior academic ability, have a need for financial assistance and be enrolled in an accredited program, thus making you eligible to sit for the national certification exam through NBSTSA.</td>
<td>Application</td>
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<td><strong>Funding:</strong> $25,000 (1-2 year projects)</td>
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<th><strong>ASE, ASE Foundation</strong></th>
<th><strong>Center for Excellence in Surgical Education, Research and Training (CESERT) Grants Program</strong></th>
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<tr>
<td><strong>Deadline:</strong> Anticipated June 15, 2019</td>
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<tr>
<td><strong>Description:</strong> Supports excellence and innovation in surgical education research. Outlined grant-making priorities: *Innovations in Surgical Education that Improve Patient Care Research projects that aim to develop and test content methods that yield improvements in patient care in surgery. *Innovations in Performance Evaluation and Assessment. Projects that aim to develop and validate new methods of performance assessment across competency domains required for quality patient care. *Innovations in Student Programs. Projects that develop and improve surgical education programs.*Innovations in Resident and Faculty Development: Research projects that aim to develop and enhance professional development, retention, and reward of faculty and residents who teach and mentor learners in surgery. *Innovations in Educational Administration. Research projects that aim to develop and test new methods, resources and programs for improving performance and accountability relevant to the administration of surgical education.*Innovations in Robotic Assisted Surgical Education.</td>
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<td><strong>Funding:</strong> $25,000 (1-2 year projects)</td>
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<th><strong>American Surgical Association Foundation Fellowship</strong></th>
<th><strong>ASAFA Fellowship Research Award</strong></th>
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**University of Minnesota Department of Surgery Research Funding Opportunities**

**Deadline:** Anticipated June 15, 2019

**Description:** To support and encourage gifted young surgeons who choose careers in investigation and academic surgery. Fellows will be supported in an initial year; the Fellowship can be renewed by review of the Fellowship Committee for a succeeding one-year period. During the Fellowship years, the Awardee should have a primary role in research and teaching. It is expected that the Fellow will have a faculty position following the Fellowship in the Department of Surgery of the sponsoring institution.

**Funding:** $75,000 per year

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**Medical & Research Education**

**Spencer Foundation**

**Deadline:** November 1, 2018; February 2019

**Description:** Aims to fund academic work that will contribute to the improvement of education, broadly conceived. Grant funding has spanned a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and they employ a wide range of research methods.

**Funding:** $50,000

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**Emergency Medicine Foundation and Society for Academic Emergency Medicine Foundation**

**Deadline:** Anticipated February 16, 2019

**Description:** Jointly award stipends to encourage medical students to engage in and to be exposed to emergency medicine research. Eligibility: An application for an EMF/SAEMF Medical Student Research Grant may be made by either a specific medical student or by an Emergency Medicine residency program wishing to sponsor a medical student research project.

**Funding:** $5,000

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**Damon Runyon – Walter Winchell Foundation**

**Deadline:** March 15, 2019

**Description:** The Foundation encourages all theoretical and experimental research relevant to the study of cancer and the search for cancer causes, mechanisms, therapies and prevention. Candidates must apply for the fellowship under the guidance of a Sponsor—a scientist (tenured, tenure-track or equivalent position) capable of providing mentorship to the Fellow. In addition to aiding in the planning, execution and supervision of the proposed research, the Sponsor’s role is to foster the development of the Fellow’s overall knowledge, technical and analytical skills, and capacity for scientific inquiry. The Sponsor is also expected to assist the Fellow in attaining his/her career goals. Assistant Professors with limited mentorship are strongly encouraged to identify a more established scientist to co-sponsor the candidate. Awards are made to institutions for the support of the Fellow under direct supervision of the Sponsor. Candidates who have already accepted a postdoctoral research fellowship award are not eligible.

**Funding:**
- Year of Award Stipend
  - Year 1 $52,000
  - Year 2 $54,000
  - Year 3 $57,000
  - Year 4 $60,000
- Expenses
  - $2,000
  - $2,000
  - $2,000
  - $2,000

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**CHEST Foundation**

**Deadline:** Anticipated April 9, 2019

**Community Service Grant Honoring D. Robert McCaffree, MD, Master FCCP**
**Description:** In 1998, D. Robert McCaffree, MD, Master FCCP, created the Governors Community Service Awards during his term as the President of the American College of Chest Physicians. Support is given to nonprofit and nongovernmental agencies in which health-care professionals generously donate their time and medical expertise. The grant is intended to support significant community-based projects worldwide that demonstrate a clear positive impact on the lung health of a community and have the potential for long-term sustainability and reproducibility. Projects may focus on the following areas:
- K-12 Student Education
- Patient/Caregiver Education
- Community Health Education/Awareness
- Health-care Worker Education
- Clinic/Medical Center Training/Education
This grant supports volunteer service in existing projects, expansion of existing projects, or development of a new activity.

**Funding:** $2,500 = $15,000 (for one year)

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**NIH**

**Deadline:** August 27, 2019

**Description:** PAR-18-782: To encourage applications for the initiation or continuation of nationally-available neuroscience research education programs that will significantly advance the mission of NINDS. The primary focus of programs submitted under this FOA should be on intensive hands-on experience that will provide research experience, an in depth understanding of techniques and analytic approaches and expertise that is only possible with a nationally-organized program. Within the context of gaining expertise primarily through hands-on experience, programs may include immersive coursework and expert discussion when appropriate. Programs appropriate for this FOA must include participants from a nationally recruited cohort, selected through an application process by a leadership committee.

**Funding:** $250,000

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**Global Education**

**Johnson & Johnson Global Health Scholars Program**

**Deadline:** Anticipated December 2019

**Description:** 6-week international rotation. Rotation sites for 2018-2019: South Africa, Uganda, Rwanda, and Colombia. Career MD or Resident.

**Funding:** Not Available

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**International Society of Nephrology**

**Deadline:** Continuous

**Description:** Aims at advancing nephrology in the developing world through very concrete hands-on training programs. The program provides ISN members and younger nephrologists with an invaluable opportunity for personal involvement in the society’s educational programs while enhancing the sense of global solidarity and awareness in the renal world. Emerging centers who require the visit of an expert can either suggest someone they know already or ask the ISN Headquarters to match their request with an available ISN Educational Ambassador qualified in the field of training required. ISN supports the Educational Ambassador to deliver high quality and relevant training for a period of 1-4 weeks. Applications are accepted all year long, provided that you finalize your application at least 3 months in advance. Reasonable expenses related to travel, accommodation, and cost of living are reimbursed by ISN once the Educational Ambassador has returned to his/her home institution (via proven expenses). Host institutions are however expected to provide financial contributions towards subsistence expenses (e.g. local transportation, daily meals and/or accommodation) for the invited ISN ambassadors. ISN will cover for Educational Ambassador:
- Coach class airfare or train travel (reservations should be made at least 21 days in advance). Transfers between home, terminal and hotels (please provide receipts).

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**NINDS Research Education Opportunities**

**Global Health Scholars Program**

**Deadline:** August 27, 2019

**Description:** PAR-18-782: To encourage applications for the initiation or continuation of nationally-available neuroscience research education programs that will significantly advance the mission of NINDS. The primary focus of programs submitted under this FOA should be on intensive hands-on experience that will provide research experience, an in depth understanding of techniques and analytic approaches and expertise that is only possible with a nationally-organized program. Within the context of gaining expertise primarily through hands-on experience, programs may include immersive coursework and expert discussion when appropriate. Programs appropriate for this FOA must include participants from a nationally recruited cohort, selected through an application process by a leadership committee.

**Funding:** $250,000

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**ISN Educational Ambassadors**

**Deadline:** Continuous

**Description:** Aims at advancing nephrology in the developing world through very concrete hands-on training programs. The program provides ISN members and younger nephrologists with an invaluable opportunity for personal involvement in the society’s educational programs while enhancing the sense of global solidarity and awareness in the renal world. Emerging centers who require the visit of an expert can either suggest someone they know already or ask the ISN Headquarters to match their request with an available ISN Educational Ambassador qualified in the field of training required. ISN supports the Educational Ambassador to deliver high quality and relevant training for a period of 1-4 weeks. Applications are accepted all year long, provided that you finalize your application at least 3 months in advance. Reasonable expenses related to travel, accommodation, and cost of living are reimbursed by ISN once the Educational Ambassador has returned to his/her home institution (via proven expenses). Host institutions are however expected to provide financial contributions towards subsistence expenses (e.g. local transportation, daily meals and/or accommodation) for the invited ISN ambassadors. ISN will cover for Educational Ambassador:
- Coach class airfare or train travel (reservations should be made at least 21 days in advance). Transfers between home, terminal and hotels (please provide receipts).
- Auto mileage at $0.535/mile (0.34/KM), tolls and parking
- Normal visa fees
- Tips related to above services
- Hotel and accommodation expenses (although these can be taken care of by the host institution)
- Meal expenses (although these can be taken care of by the host institution).

**Independent Medical Education**

**Novartis**

**Description:** Novartis Office of Grants and Education (NOGE) and the Novartis Oncology Office of Grants and Education (OGE) supports high quality educational programs for healthcare professionals that will improve patient care and which are fully compliant with all legal, regulatory and Novartis guidelines. Consistent with Federal Law and ethical standards under which Novartis Pharmaceuticals Corporation conducts business, grants must never be linked to prescribing, purchasing, formulary status or reimbursement. Any grant requests for activities taking place within the U.S., or including U.S.HCPs as participants must be submitted to NOGE/OGE for review and consideration. As a commitment to improving patient care, NOGE and OGE will evaluate educational grant requests that are independent of commercial bias and non-promotional in nature. Educational grants can be requested to support live events, web-based education, or enduring medical educational material. NOGE and OGE will accept grant requests for professional medical education programs from Academic medical centers, medical universities.

NOGE will evaluate grant requests for support of Research Fellowships (for Residents and Fellows) submitted by professional medical associations/societies and medical institutions. Fellowship award recipients should not have already been chosen. Oncology (OGE) will accept requests for funding of Professional Medical Sponsorships which include fellowships, research or merit awards, non-educational closed research meetings, and professional society membership dues.

(Components of a Complete Grant Request (General Criteria for Grants) Request is submitted at least 60 days prior to program start date)

**Pfizer Healthcare Charitable Contributions 2018 Application Periods and Clinical Areas of Interest**

**Deadline:** Application Cycle: Mar 1, 2018 - April 15, 2018; June 1, 2018 - July 15, 2018; September 1, 2018 - September 30, 2018

**Description:** For purposes of Pfizer's funding of external, independent, not-for-profit organizations, programs eligible for Healthcare Charitable Contributions are limited to the following: 1) patient education, including health screening; 2) patient advocacy for disease awareness, and 3) patient access to care (e.g., transportation costs).

**Ethicon Education Grant Reference Guide**

**Description:** Ethicon provides education grants to support third-party medical education programs for U.S.-Based Health Care Professionals and Entities (HCPEs), this includes accredited and non-accredited programs that relate to disease states, conditions, and treatments relevant to company interests. Grants may be monetary, product in kind, or both. Each request is individually evaluated for compliance with education grant criteria, available budget and mission.

**Bristol-Myers Squibb Independent Medical Education (IMEs)**

**Description:** To advance excellence in global healthcare through expertise in medical education and strategic support of evidence-based educational activities in Bristol-Myers Squibb disease areas of focus that measure improvements in professional competence, performance, and patient outcomes. Accepts applications from organizations with a health-related public mission and/or patient focus, hospitals or other similar healthcare facilities, community health centers, medical or other professional societies.

**Teleflex Medical Education Grant Request Form**
Description: Teleflex is committed to supporting educational endeavors that are consistent with our mission to improve health outcomes. Medical education grants for the following categories: Continuing Medical Education programs presented by accredited providers, Education programs for Health Care Professionals, Medical Society Sponsored programs. Guidelines for Medical Education Grants: Educational focus, Independence, Balance, Broad Audience. Research Grant and Support Request Form

Astellas - IME

Description: Supports two types of grants, including: Spontaneous Submissions. *Professional continuing medical education, which may or may not integrate patient education, that is high-quality, unbiased, evidence-based, and independently developed. *Independent scientific and career development awards administered by national level professional medical associations and organizations. Periodically, Astellas posts Calls for Grant Applications. Astellas is currently accepting applications in the following therapeutic areas: Cardiology – Medical Imaging, Transplantation/Immunology, Infectious Disease – Fungal and CMV, Oncology – AML and Prostate Cancer, Urology – Over Active Bladder

Sanofi US

Deadline: Continuous

Description: Sanofi US is committed to funding high quality educational activities and materials in the therapeutic areas of interest to the company that have the potential to improve patient care and health outcomes. The purpose of an educational grant is to support an activity that encourages an educational interchange with respect to available scientific and medical information. Educational activities may or may not be accredited. Grants may be given for live educational activities, as well as educational publications and other types of enduring materials, provided that the activities or materials are advertised and open to a broad audience beyond members of the requesting institution. Fellowships or career development awards may be considered in limited circumstances. https://sgrants.envisionpharma.com/vt_sgrants/

INSMED

Description: Funding to support local and regional independent education and is interested in receiving grant requests that align with the specifications outlined below. Therapeutic Area: Non-Cystic Fibrosis Nontuberculous Mycobacterial Lung Disease: Educational format & scope CME/CE accredited local and regional activities organized by hospitals, academic medical centers, or medical societies/chapters. Accepted on an ongoing (rolling) basis. Support is available for multiple programs planned for 2017 and 2018.

Funding: $50,000

AmGen

Deadline: Continuous

Description: Amgen supports IME, which is a professional education given by accredited medical education providers who design and implement programs totally independent of any Amgen influence, as defined by standards such as the Accreditation Council for Continuing Medical Education guidelines, the FDA's Guidance: Industry Supported Scientific and Educational Activities, and the PhRMA Code. Funding requests including for live presentations, written enduring materials, online courses, and conference symposia from organizations (e.g. hospitals, universities, societies, medical-education vendors) will be reviewed and assessed in conjunction with Amgen's goal to help physicians and healthcare professionals to obtain information and insights that contribute to the improvement of patient care and the advancement of medicine. Link to application

Boston Scientific

Description: Provides financial and product support to third-party educational conferences that further medical and scientific knowledge. We believe that such programs are critical to advancements in the medical community, and we support a wide range of programs at the local, regional and national level. We respect the Standards for Commercial Support of Continuing Medical Education as published by the Accreditation Council for Continuing Medical Education (ACCME) and as such will not seek to control the content or management of third-party programs (for example, selection of topics, faculty, and attendees). Also, our support of a program will not depend on the program sponsor's selection of particular topics,
faculty or attendees. We may provide grants to support the following types of educational programs: Institutional, national, regional or local continuing medical education conferences and professional meetings "Grand rounds" presentations and patient group (Angio Club, Patient Advocacy) meetings. Publication or rebroadcast of a conference program (in booklet or pamphlet form, over the Internet, etc.) Educational program grant and exhibit applications should be submitted, reviewed and approved as two separate requests. If your conference or educational event is not accredited by one of the five accreditation organizations listed below, Boston Scientific — and report under the U.S. Physician Payment Sunshine Act, the amount of Boston Scientific funds your organization pays to U.S. physicians serving as faculty at your conference, including the identities of those physicians. The five-accreditation organizations are: Accreditation Council for Continuing Medical Education, American Academy of Family Physicians, American Dental Association’s Continuing Education Recognition Program, American Medical Association American Osteopathic Association. Link to Submit Application

**DePuy Synthes Education Grants**

**Description:** Supports educational programs such as continuing medical education (CME) events hosted by accredited providers, non-CME events that do not permit “off-label” discussion of DePuy Synthes Companies products, tuition/travel grants for physicians in training (Fellows and residents), grand rounds and journal clubs. Each request is individually evaluated for compliance with education grant criteria, available budget and alignment with the Company’s mission. Education grants are not contingent upon the use, purchase, or recommendation of DePuy Synthes Companies products. For a comprehensive review of the education grant request process, please review the DePuy Synthes Companies: Education Grant Reference Guide. Education grants support third-party medical education programs for U.S.-Based Health Care Professionals and Entities (HCPEs), including accredited and unaccredited programs, that relate to disease states, conditions, and treatments relevant to Company’s interests. Fellowships Click here to apply for grant

**Boehringer Ingelheim Pharma (BIPI) & Lilly USA, LLC**

**Description:** A BIPI/Lilly medical education grant is designed to support independent medical education for healthcare providers and patients that may translate to better management of disease and improvement in patient safety and population health. Grant applications must be submitted no less than 60 days prior to the program start date. Educational Objectives - Diabetes Improve clinicians’ understanding of the current guidelines and scientific evidence supporting individualized treatment and goals for Type 2 Diabetes and foster clinicians’ understanding of the barriers to care and how to address them, helping patients meet treatment goals. Enhance clinicians’ understanding of the benefit/risk profile of novel Type 2 diabetes therapies with supporting scientific and clinical evidence. Enhance clinicians’ awareness and knowledge of the evidence-based treatment options to reduce macrovascular (stroke, myocardial infarction, heart failure) disease and nephropathy in Type 2 diabetes patients. To help improve the insulin experience, increase clinicians’ understanding of barriers faced by people with diabetes including the 1) insulin initiation experience 2) adherence and 3) persistence as well as the impact of these barriers on outcomes and appropriate strategies, including emotional support. Link to Application

**American Association for the Surgery of Trauma (AAST)**

**Deadline:** February 1, 2019. Annual opportunity

**Description:** To advance the field of acute care surgery, and improve the care of critically ill surgical patients, by fostering research, education, and professional development in an environment of fellowship and collegiality, the AAST supports young investigators with research scholarships to solicit research applications from early career investigators proposing basic science, translational, or clinical studies to advance trauma, surgical critical care, and emergency general surgery care. Provides funding for early investigators to complete a research project, which will serve as the basis for future grant applications and to launch the applicants’ academic careers. Pilot projects, projects seeking exclusively preliminary data, or "proof of concept" projects will only be considered if the applicant provides sound scientific foundation for the proposal. Projects centered on Global Surgery/Trauma will be considered if found to be of sufficient merit and are scientifically sound.

**Funding:** $50,000
University of Minnesota Department of Surgery Research Funding Opportunities

The National Academies of Sciences, Engineering, and Medicine  The U.S. - Egypt Science and Technology Joint Fund

**Deadline:** Anticipated March 2019

**Description:** PAR-18-540: To provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC), as defined by the World Bank leading to an independently-funded research career focused on global health. This FOA invites applications from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors.

**Funding:** up to $75,000 per year toward salary & up to $30,000 toward research development costs. Project period 3-5 years

Doris Duke Charitable Foundation  International Clinical Research Fellowship

**Deadline:** March 2019; **Pre-Proposal:** November 2018

**Description:** Provides fellowships for U.S.-based medical students to take a year out of school to conduct mentored clinical research in developing countries. Clinical research requires a unique blend of medical and research skills. The program was designed to support this blending of skills by giving medical students an outstanding clinical research experience in global health while they are in the midst of developing their medical proficiency. Goal of this program is to develop the next generation of clinical investigators working in global health.

**Funding:** $30,000 (annual stipend)

NIH/Fogarty International Center (FIC)  International Research Scientist Development Award (K01) Independent Clinical Trial Required

**Deadline:** March 7, 2019

**Description:** PAR-18-540: To provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC), as defined by the World Bank leading to an independently-funded research career focused on global health. This FOA invites applications from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors. This FOA is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor.

**Funding:** up to $75,000 per year toward salary & up to $30,000 toward research development costs. Project period 3-5 years

**NIH/Fogarty International Center (FIC)  International Research Scientist Development Award (IRSDA) K01 - Independent (No Clinical Trial)**

**Deadline:** March 7, 2019

**Description:** PAR-18-539: To provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC), as defined by the World Bank (http://data.worldbank.org/about/country-classifications/country-and-lending-groups, including "low-income," "lower-middle-income," and "upper-middle-income" countries) leading to an independently-funded research career focused on global health. This FOA invites applications from postdoctoral research scientists and junior faculty from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors. This FOA is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor.

**Funding:** up to $75,000 per year toward salary & up to $30,000 toward research development costs. Project period 3-5 years

**NIH  Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03)**

**Deadline:** June 16, 2019

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Description: PA-16-163: To support collaborative vaccine-related research projects that ultimately reduce the burden of infectious diseases of importance in India, the U.S., the South Asian region and globally. Applications are encouraged from organizations/institutions that propose to conduct vaccine-related research through U.S.-Indo collaborations on a variety of infectious diseases, including immunologic characterization. This initiative offers to support VAP research activities and encourages research leading to the development of new and improved vaccines and related products, and technologies to combat infectious diseases of importance in India, the U.S., the South Asian region and globally. Applicants must provide evidence of ongoing or proposed scientific collaborations specific to the research proposed in the grant application. Standard NIH application and review procedures will be followed. Any area of basic, translational, clinical, or epidemiological vaccine research may be proposed under this program. Examples of possible research topics include, but are not limited to: Discovery, demonstration of the proof of principle, development of novel manufacturing processes, evaluation of the safety and efficacy and demonstration of the effectiveness of the use of new and improved vaccines to prevent:

- HIV/AIDS
- Tuberculosis
- Pandemic and interpandemic influenza
- Dengue and Dengue Hemorrhagic Fever (DHF)
- Malaria
- Enteric diseases
- Discovery and/or development of vaccine adjuvants promoting mucosal or systemic responses; analysis of their mechanism of action; optimization of vaccine adjuvants to increase efficacy while reducing reactogenicity; development of in vitro assays for evaluating adjuvanticity and/or reactogenicity; identification of correlates of adjuvanticity;
- Characterization of local and/or systemic immune responses and regulatory mechanisms in infants, compared to older children or adults, to vaccines or natural exposure/illness due to infectious diseases;
- Mechanisms of systemic or mucosal immune response across the lifespan to infection or vaccination, including characterization of mucosal vaccine immune responses, and correlates/surrogates of mucosal immune responses;
- New manufacturing and vaccine delivery technology;
- Effectiveness of the introduction of new and improved vaccines into public health immunization programs;
- Epidemiology of infectious disease in the human population.

Funding: Budgets for direct costs of up to $50,000 per year may be requested for a maximum of $100,000 direct costs over a two-year project period.

NIH Planning Grant for Global Infectious Disease Research Training Program (D71) International Research Training Grants

Deadline: July 25, 2019

Description: PAR-17-058: Encourages applications for a planning grant from institutions in low-and middle-income countries (LMICs) to design a Global Infectious Disease Research Training Program in collaboration with U.S. institutions. The application should propose a collaborative process to design a training program that will strengthen the capacity of the LMIC institution to conduct infectious disease research. Planning grants should describe a detailed vision for a research-training program that focuses on a major endemic or life-threatening emerging infectious disease, neglected tropical disease, infections that frequently occur as a co-infection in HIV infected individuals or infections associated with non-communicable disease conditions of public health importance in LMICs. Companion Funding Opportunity PAR-17-057: D43 International Research Training Grant

Funding: Limited to $46,000
Maximum project period is 1 year
NIH Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03)

**Deadline:** October 16, 2019

**Description:** PA-16-163: To support collaborative vaccine-related research projects that ultimately reduce the burden of infectious diseases of importance in India, the U.S., the South Asian region and globally. Applications are encouraged from organizations/institutions that propose to conduct vaccine-related research through U.S.-Indo collaborations on a variety of infectious diseases, including immunologic characterization. This initiative offers to support VAP research activities and encourages research leading to the development of new and improved vaccines and related products, and technologies to combat infectious diseases of importance in India, the U.S., the South Asian region and globally. Applicants must provide evidence of ongoing or proposed scientific collaborations specific to the research proposed in the grant applications. Any area of basic, translational, clinical, or epidemiological vaccine research may be proposed under this program.

Examples of possible research topics include, but are not limited to: Discovery, demonstration of the proof of principle, development of novel manufacturing processes, evaluation of the safety and efficacy and demonstration of the effectiveness of the use of new and improved vaccines to prevent:

- HIV/AIDS
- Tuberculosis
- Pandemic and interpandemic influenza
- Dengue and Dengue Hemorrhagic Fever (DHF)
- Malaria
- Enteric diseases
- Discovery and/or development of vaccine adjuvants promoting mucosal or systemic responses; analysis of their mechanism of action; optimization of vaccine adjuvants to increase efficacy while reducing reactogenicity; development of in vitro assays for evaluating adjuvanticity and/or reactogenicity; identification of correlates of adjuvanticity;
- Characterization of local and/or systemic immune responses and regulatory mechanisms in infants, compared to older children or adults, to vaccines or natural exposure/illness due to infectious diseases;
- Mechanisms of systemic or mucosal immune response across the lifespan to infection or vaccination, including characterization of mucosal vaccine immune responses, and correlates/surrogates of mucosal immune responses;
- New manufacturing and vaccine delivery technology;
- Effectiveness of the introduction of new and improved vaccines into public health immunization programs;
- Epidemiology of infectious disease in the human population.

**Funding:** Budgets for direct costs of up to $50,000 per year may be requested for a maximum of $100,000 direct costs over two years.

U.S. Agency for International Development Broad Agency Announcement for Sustainable Development in Sub-Saharan Africa

**Deadline:** May 30, 2022

**Description:** BAA-AFR-SD-2018This Broad Agency Announcement (BAA) seeks opportunities to co-create, co-design, co-invest, and collaborate in the research, development, piloting, testing, and scaling of innovative, practical and cost-effective interventions that address development challenges in Sub-Saharan Africa (SSA). The United States Agency for International Development (USAID) invites interested parties to participate with USAID to identify innovative thinking, best practices and promising programs that will create more strategic, focused, results-oriented, cost-effective and practical options that will further the US Government’s goal of improving the impact of its policies and programs on Africa’s poor. USAID, through the Bureau for Africa (USAID/AFR), aims to develop and test innovative, sustainable and cost-effective solutions that will accelerate progress towards eliminating extreme poverty in Sub-Saharan Africa. This BAA specifically seeks to incorporate new ideas that will directly and
positively influence USAID’s programs and policies, including, but not limited to, support for SSA institutions to deliver services and manage programs that contribute to sustainable development.

Health Efforts to address disease and improve public health target the symptoms of and pathways out of poverty and are essential to peace and security, economic growth and development. Despite significant progress over the past decade in reducing mortality and improving quality of life, SSA has the highest rates of maternal and child deaths of any region, with nearly three million children under five years of age and over 200,000 mothers dying each year. In 2014 there were an estimated 1.4 million new HIV infections in SSA, accounting for 66 percent of new HIV infections worldwide. Many of these cases were co-infected with tuberculosis (TB); the World Health Organization’s (WHO) Africa Region alone accounted for 74 percent of the estimated number of new HIV-positive TB cases. Finally, malaria remains one of the major causes of illness and death among children in SSA.

NIH Global Brain and Nervous System Disorders Research Across the Lifespan (R01)

**Deadline:** November 7, 2019

**Description:** Encourages grant applications for the conduct of innovative, collaborative research projects between U.S. and low-and middle-income country (LMIC) scientists, on brain and other nervous system function and disorders throughout life, relevant to LMICs (including neurological, mental, behavioral, alcohol/substance use disorders and spanning the full range of science from basic to implementation research). Scientists in upper middle-income LMICs (UMICs) are eligible to partner with scientists at other LMIC institutions with or without a US partner. The collaborative research programs expect to contribute to long-term goals of building/strengthening sustainable research capacity in LMICs to address nervous system development, function/impairment and lead to diagnostics, prevention, treatment and implementation strategies.

**Funding:** Not Limited (must reflect the actual needs of the proposed project, up to 5 years)

Recognition Awards

**NIH Director’s Pioneer Award (DP1 - Clinical Trial Optional)**

**Deadline:** September 15, 2018

**Description:** The NIH Director’s Pioneer Award supports individual scientists of exceptional creativity who propose highly innovative and potentially transformative approaches to major challenges in the biomedical or behavioral sciences towards the goal of enhancing human health. Applications from individuals with diverse backgrounds and in any topic relevant to the broad mission of NIH are welcome. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator’s research program or elsewhere. The NIH Director’s Pioneer Award is a component of the High-Risk, High-Reward Research program of the NIH Common Fund.

**Award:** Awards will be for $700,000 in direct costs per year, plus applicable Facilities and Administrative (F&A) costs. The project period is limited to five years.

**American College of Cardiology (ACC) Distinguished Awards**

**Deadline:** September 25, 2018

**Description:** The Awards were established to recognize outstanding individuals making contributions to the cardiovascular profession. The Distinguished Awards recognize the following for outstanding achievements:

- Bernadine Healy Leadership in Women's Cardiovascular Disease Award: An FACC (male or female) who demonstrates leadership and accomplishment in the field of cardiovascular disease in women exemplified by research, teaching, practice or service.
- Lifetime Achievement Award: An individual who has had a lifetime of outstanding achievements in the field of cardiovascular disease and has served as a role model through service, basic or clinical research and teaching.
- Distinguished Fellowship Award: An FACC who is well recognized for service to the College and whose activities are considered to qualify this person as a role model for others.
- Distinguished Scientist Award: An FACC who has made major scientific contributions to the advancement of scientific knowledge in the field of cardiovascular disease. Three awards will be given in this category. One award will be given in each of the three domains: Basic, Clinical and Translational.
- Distinguished Service Award: A physician, scientist or layperson who, by individual effort, has made profound contributions to medicine and/or the delivery of health care.
- Gifted Educator Award: An FACC who has demonstrated innovative, outstanding teaching characteristics and compassionate qualities and because of these attributes has made major contributions to the field of cardiovascular medicine at the local and/or regional level.
- Distinguished Teacher Award: An FACC who has demonstrated innovative, outstanding teaching characteristics and compassionate qualities and because of these attributes has made major contributions to the field of cardiovascular medicine at the national and/or international level.
- International Service Award: An FACC who through his or her outstanding contributions to cardiovascular medicine and science has significantly enhanced cardiovascular care throughout the world. The award should recognize service and should not be tied to leadership in the international cardiovascular community.
- Distinguished Associate Award: A non-physician member (Cardiac Care Associate, Associate of the American College of Cardiology or non-physician Fellow of the American College of Cardiology) whose outstanding contributions to College initiatives and the field of cardiology have encouraged and nurtured the ACC's team approach to cardiovascular care.
- Distinguished Mentor Award: An FACC who during his/her lengthy career, has demonstrated a dedication to mentoring physicians and/or other members of the cardiac care team across a spectrum of professional activities and consequently has palpably shaped the careers of current and future leaders in cardiovascular medicine.
- Honorary Fellowship Award: A distinguished physician or scientist who is not an ACC member and who would not otherwise have routinely had an opportunity to pursue Fellowship in the College, but whose professional performance warrants recognition by the College.

American Society of Transplantation

AST ACHIEVEMENT AWARDS

Deadline: November 17, 2018

Description: The AST sponsors a variety of Achievement Awards according to faculty rank in recognition of the AST member's achievements and contributions to the field of transplantation. Recipients of an AST Achievement Award will be recognized at the 2018 American Transplant Congress.

The following awards are available:
- Senior Achievement Award in Clinical Transplantation
- Mentoring Award
- Clinician of Distinction Award (Non-Physician Award)
- Transplant Advocacy Award (Patient, Donor, Community Advocate Award)
- Basic Science Established Investigator Award
- Clinical Science Established Investigator Award
- Basic Science Investigator Award
- Clinical Science Investigator Award
- Basic Science Career Development Award
- Clinical Science Career Development Award

Emergency Medicine Residents' Association

Chief Resident(s) of the Year

Deadline: January 15, 2019

Description: This award recognizes an EMRA member who has demonstrated significant dedication in promoting the goals and objectives of EMRA at local, state and national levels. In addition, the recipient must have a record of creativity, enthusiasm and accomplishment in addressing issues pertaining to emergency medicine.
**National Academies of Sciences, Engineering, and Medicine, National Academy of Sciences**  
**Selman A. Waksman Award in Microbiology**  
**Deadline:** October 2, 2018  
**Description:** The award is presented in recognition of excellence in the field of microbiology. Self-nominations are not accepted. Joint nominations are discouraged and will only be considered when nominees have collaborated closely - usually in the same laboratory - on the work to be recognized by the award. NAS membership is not required to nominate or to be nominated.  
**Award:** The recipient is awarded a $20,000 prize.

**Emergency Medicine Residents’ Association**  
**Academic Excellence Award**  
**Deadline:** January 15, 2019  
**Description:** Given to a resident or fellow who has done outstanding work in research or other academic pursuits.  
**Award:** $1,000

**Emergency Medicine Residents’ Association**  
**Fellow of the Year**  
**Deadline:** January 15, 2019  
**Description:** This award recognizes an EMRA member who has demonstrated significant dedication in promoting the goals and objectives of EMRA at local, state, and national levels. In addition, the recipient must have a record of creativity, enthusiasm, and accomplishment in addressing issues pertaining to emergency medicine.  
**Award:** $1,000

**American Federation for Medical Research (AFMR)**  
**Outstanding Investigator Award**  
**Deadline:** January 7, 2019  
**Description:** An Outstanding Investigator Award is presented annually to an investigator age 45 or younger in recognition of excellence in biomedical research. In addition to presenting at Translational Science, the recipient will be required to present his/her research at the AFMR Annual Henry Christian Awards Reception.  
**Award:** $2,500

**American Society of Nephrology (ASN)**  
**President's Medal**  
**Deadline:** Anticipated January 26, 2019  
**Description:**ASN awards the ASN President's Medal to individuals who have helped advance ASN's mission to "lead the fight against kidney disease by educating health professionals, sharing new knowledge, advancing research, and advocating the highest quality care for patients." The medal also recognizes individuals who have made contributions, broadly defined, to the kidney community, and who are unlikely to be eligible for ASN's other five awards. As a result, patients, members of Congress, and other advocates have received the ASN President's Medal in the past. In considering candidates for the president's medal, ASN considers the society's strategic goal of "increasing diversity--including age and experience, ethnicity, and gender--at all levels of the society."  
**Funding:** Unspecified

**American Academy of Facial Plastic and Reconstructive Surgery**  
**AAFPRS Foundation Awards Program**  
**Deadline:** February 1, 2019  
**Description:** The Program was instituted to:
- Recognize research completed and previously presented at an Academy meeting; and
- Recognize members who have contributed to the Academy and to their communities.

The following awards are available:

**Ben Shuster Memorial**
The Ben Shuster Memorial Award is presented for the most outstanding research paper by a resident or fellow in training on any clinical work or research in facial plastic and reconstructive surgery. The paper must have been delivered at a national meeting (or its equivalent) within the preceding two years prior to the February 1 date of submission. Each entrant must be the sole or senior author and an AAFPRS member. Studies prepared during the first year after completion of residency training will be considered, provided that research was conducted during the author's residency program or fellowship. A certificate and an award of $1,000 are presented.

**Ira Tresley Research**
The Ira Tresley Research Award recognizes the best original research in facial plastic surgery by an AAFPRS member who has been board certified for at least three years. A certificate and an award of $1,000 are presented.

**Residency Travel Award**
Two Residency Travel Awards may be given each year for two outstanding papers in facial plastic and reconstructive surgery primarily authored by a resident or medical student in training. The paper must be submitted by Feb. 1 for consideration, which will be presented at the Annual Fall Meeting.

**John Orlando Roe**
This award, named for John Orlando Roe, the surgeon who accomplished the first rhinoplasty in 1887, includes a certificate and an award of $1,000 to be presented each year to an AAFPRS Fellow in an AAFPRS Foundation Fellowship Program who submits the best clinical research paper written during the current fellowship year.

**Sir Harold Delf Gillies**
This award is named for Sir Harold Delf Gillies, a British otolaryngologist who in September 1917 described the tubed pedicle flap. Dr. Gillies frequently visited the U.S. and lectured widely to surgeons of various specialties and was given the title "Father of Plastic Surgery." A certificate and an award of $1,000 will be presented each year to an AAFPRS Fellow in an AAFPRS Foundation Fellowship Program who submits the best basic science research paper written during the current fellowship year.

**William K. Wright**
This award may be presented each year to an AAFPRS member who has made outstanding contributions to facial plastic and reconstructive surgery.

**John Dickinson Teacher**
This award honors an AAFPRS Fellow or Member for sharing knowledge about facial plastic surgery with the effective use of audiovisuals in any one year. The Awards Committee seeks nominations from the Electronic Media Committee each year.

**F. Mark Rafaty Memorial**
This award may be presented each year to any AAFPRS member who has made outstanding contributions to facial plastic and reconstructive surgery.

**Community Service**
This award may be presented each year to an AAFPRS member who has distinguished himself/herself by providing and/or making possible free medical service to the poor in his/her community.

**Award:** $1,000

**Association of American Medical Colleges (AAMC) Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Awards**

**Deadline:** April 6, 2019
**Description:** The Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Awards recognize outstanding contributions to medical education made by gifted teachers. Each medical school may nominate one faculty member. An institutional system for selecting candidates that provides for broad student participation and the peer judgment of faculty colleagues will be favored.

**Award:** Upper $13,500 Lower $10,000
Each awardee will receive a $10,000 grant. The awardee’s nominating institution will receive $2,500 for teaching activities, and, if the nominating institution has an Alpha Omega Alpha the chapter will receive a stipend of $1,000 toward its activities. Up to four awards will be granted each year.

**The Association for Surgical Education**

**Excellence in Surgical Education Awards**

**Deadline:** Anticipated May 2019

**Description:** The ASE Education Awards have been established by the Association for Surgical Education to recognize the dedication of surgical educators. The awards are means to highlight and encourage outstanding teachers and surgical educators. Additionally, the awards will provide documentation of teaching excellence to support promotion and tenure decisions and will further emphasize teaching as an important area of academic expertise.

- ASE Philip J. Wolfson Outstanding Teacher
- ASE Master Educator
- Linnea Hauge, PhD Promising Educational Scholar Award
- ASE Outstanding Resident Teacher
- Excellence in Innovation in Surgical Education Award
- Clerkship Coordinator Recognition Award

**Prince Mahidol Award**

**Deadline:** May 31, 2019

**Description:** The PMAF is inviting nominations of individuals or institutions for their outstanding performance and/or research that contributes directly to the betterment of society. The Prince Mahidol Award is divided into two categories:
- In Medicine: for outstanding performance and/or research in the field of medicine for the benefit of mankind
- In Public Health: for outstanding contribution in the field of public health for the sake of the well-being of the peoples.

An individual or group of individuals or an institution may be nominated by national medical or health authorities or by individual or group of individuals in nongovernmental capacity, as candidates for the Award.

**Award:** 100,000

**American Heart Association**

**Cournand and Comroe Young Investigator Award**

**Deadline:**

**Description:** The award is sponsored by the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation (3CPR). The award acknowledges the research and accomplishments of early career investigator members of the council and encourages them to continue their research in biomedical sciences. Candidates must be working in an area of research related to pulmonary, perioperative, resuscitation, or critical care biology. Abstract must be submitted to one of the categories for presentation at Scientific Sessions in which the 3CPR Council is the lead/primary sponsor. The work covered by the abstract must not have been published (manuscript or abstract) before the date and time of presentation at Scientific Sessions. Abstract data may not be presented at a national or international meeting or world congress before the date and time of presentation at Scientific Sessions. The abstract must comply with the AHA Abstract Submission Guidelines as outlined by the Committee on Scientific Sessions Program. Abstracts eligible for this award must be based upon projects that adhere to the AHA’s policies governing all research awards, regardless of whether the project was funded by the AHA. Eligibility: Candidates must be Early Career Investigators who are Ph.D.s and/or M.D.s still in training (i.e., residency, fellowship, etc.) or have completed training within the last four years; or Ph.D.s and/or M.D.s who are still within the first four years after their first faculty appointment, as of the award application date.
Award: Upper $2,000 Lower $1,000 Finalists for the Early Career Investigator Awards competitions associated with Scientific Sessions will be announced in August. The top candidates for the Cournand and Comroe Award will present their research results at Scientific Sessions. The winner will be announced at the Annual 3CPR Council Dinner. Each finalist will also receive the following:
1. Cash award: The first-prize winner will receive a plaque and $2,000; the other finalists will each receive a plaque and $1,000.
2. Complimentary council dinner ticket, plus recognition and presentation of the plaque at the council dinner.

Each finalist will be designated in the Scientific Sessions Program and the Scientific Sessions online supplement to the journal Circulation. Acceptance for the competition does not guarantee publication in any other AHA-sponsored journal.

American Society of Transplant Surgeons Rising Stars in Transplantation Surgery Award

Description: Transplantation has always been an academically oriented field. The decline in NIH funding, and the growing fiscal pressures requiring increased clinical productivity, both serve to disadvantage young transplant surgeons trying to secure NIH grants. Because of this, it is now more difficult for these young transplant surgeons to achieve promotion in tenure tracks, and to obtain tenure itself. But, promotion to Associate, or Full Professor, and ability to obtain tenure still remain important goals for these individuals. Additionally, tenure track promotions committees may not appreciate the nature of original and seminal work that is of great importance to our field. Many institutions view federal funding as objective criteria to assess an individual's body of scholarly work for originality, importance, and peer recognition. To demonstrate this in the absence of NIH funding, ASTS has established the Rising Stars in Transplantation Surgery Award, which gives recognition from the leading Society of transplantation surgery that these individuals have made a significant, profound, or potentially transformative contribution to the discipline.

Eligible nominees must be 6 - 15 years post fellowship.

Up to two recipients will be selected, contingent upon the availability of funds and the receipt of qualified applications. Recipient(s) will receive $1,000 honoraria, all-access registration to the Winter Symposium, and three nights' hotel accommodations (room and tax only). Recipients will also receive a Certificate of Recognition, formal notification letter and letter of significance. The nominator must provide a letter of support that specifically and explicitly addresses the awardee's scholarly body of work and why it is of profound significance and/or of a transformative quality. The nominator will supply files of the nominee's papers, abstracts, or other evidence of the work. At least 2 files (per nomination) must be received. At least 2 separate nominations per individual must be received in order for the nominee to be considered eligible.

American Society of Transplant Surgeons Advanced Transplant Provider Award

Description: Advanced Transplant Providers (ATPs) are vital to the transplant team and community, and ASTS recognizes their service to transplant professionals and transplant patients through the ATP Award. This award recognizes the individual for their time and effort dedicated to advancing clinical practice through translation of scientific information, development of standards, and clinical mentoring of the Advanced Transplant Provider. The recipient will receive a travel prize to the ASTS State of the Art Winter Symposium. Self-nominations are accepted.

One award recipient will be selected each year, contingent upon the availability of funds and the receipt of qualified applications. The award recipient will receive $1,000 honorarium, all-access registration to the Winter Symposium, three nights' hotel accommodations (room and tax only), and reimbursed travel expenses up to $750 to attend the Winter Symposium.

Eligibility: ASTS Associate Member

Advanced Practice Providers, Nurse Practitioners, Physician Assistants, Transplant Coordinators, and/or those with equivalent degrees such as Masters or Doctorate, PhD, PharmD, and other specialties. Note: physicians (MD, DO, or international equivalent), please refer to the ASTS Awards page. May not be the ASTS Advanced Transplant Provider Award recipient within the last five years. May not be a current ASTS ATP Committee member.
• Submissions must include the following:
  • Nomination letter (500 words maximum, including full name and institution)
  • Leadership qualities (professional, college, community activities including presentations, community work, and publications)
  • Contribution to the advancement of the transplant field, science, and/or practice
  • Immediate and long-term goals and/or accomplishments
  • CV

**American Society of Transplant Surgeons**

**Mentorship Award**

**Description:** This award acknowledges the efforts of established surgeons for their stewardship of fellowship trainees and junior faculty. The award recipient will receive all-access registration to the Winter Symposium, three nights’ hotel accommodations (room and tax only), and reimbursed travel expenses up to $750 to attend the Winter Symposium. The recipient will be recognized during the Awards Ceremony at the Winter Symposium. The nominee must write a maximum 500-word description of the mentor’s contributions to his/her training and career. The nominator must also provide a current CV for the nominated mentor. Junior members of the ASTS (candidate members or junior faculty within 7 years of fellowship) may nominate 1 mentor annually for this award. No mentor can receive the award more than once every 5 years.

**American Society of Transplant Surgeons**

**Vanguard Prize**

**Description:** ASTS recognizes and honors ASTS junior members for their efforts in basic and clinical research by awarding travel prizes to the ASTS State of the Art Winter Symposium. The Vanguard Prize is designed to identify the best clinical and basic research manuscripts from young investigators in the previous year. Eligible nominees must be junior faculty within five years of fellowship. Self nominations are accepted. Two awards are available annually, contingent upon the availability of funds and the receipt of qualified applications. Award recipients receive $1,000 honoraria, all-access registration to the Winter Symposium, three nights’ hotel accommodations (room and tax only), and reimbursed travel expenses up to $750 associated with travel to the ASTS Winter Symposium. Recipients will be recognized during the Awards Ceremony at the Winter Symposium and will present their research during the Oral Abstract Session.

**Eligibility:** ASTS Member (Regular or Candidate Member)

Clinical Instructor or Assistant Professor surgical faculty member at a UNOS approved (or Canadian equivalent) transplant center, within 5 years of fellowship

**Society of General Internal Medicine (SGIM)**

**SGIM Awards**

**Description:** SGIM annually presents awards and grants, which are among the highest honors bestowed by the Society. Awards and grants presented in 2018 recognize achievements and contributions during 2017. Special Achievement Awards
- Elnora M. Rhodes SGIM Service Award
- Herbert W. Nickens Award
- David R. Calkins Award - Health Policy Advocacy
- Best Published Research Paper of the Year

Recognition for the best published research paper of 2017

Individual Achievement Awards
- Fredrick L. Brancati Mentorship and Leadership Award
Recognition of junior faculty who inspire their trainees to pursue academic GIM, and support for a trainee who aspires to become a leader in the transformation of health care through innovations in research, education, and practice
- Outstanding Junior Investigator of the Year
Recognition of a junior investigator's career achievement
- Mid-Career Research Mentorship Award
Recognition in mentoring activities of general medicine investigators
- Mid-Career Education Mentorship Award
Recognition in mentoring activities of general medicine educators
- Scholarship in Medical Education Brings attention to the many types of original work that SGIM members have performed to improve medical education
- ACLGIM Chief's Recognition Award
Recognizes a GIM Division Chief who most represents excellence in division leadership
- ACLGIM Leadership Award
Awarded to new faculty appointees to recognize skills in leadership in areas of academic medicine, including clinical, educational, research or administrative efforts
- National Institute on Drug Abuse (NIDA) - Mentored Training Award in Substance Use Disorder Treatment Science Dissemination
SGIM has partnered with NIDA to fund a training award to support the development of expertise in SUD through completion of a Mentored experience and project focused on dissemination of SUD treatment research.

Career Achievement Awards
- Robert J. Glaser Award
Recognizes outstanding contributions to research, education, leadership and mentoring in generalism in medicine
- John M. Eisenberg Award for Career Achievement in Research
Awarded to an individual whose lifetime research contributions have had a national impact
- Career Achievement in Medical Education
Awarded to an outstanding clinician-educator whose lifetime contributions have profoundly advanced, and had widespread impact on the art and science of medicine and medical education

Clinical Achievement Awards
- Quality and Practice Innovation Award
General internists and their organization that have successfully developed and implemented innovative role model systems of practice improvement in ambulatory and/or inpatient clinical practice
**Award:** Amount varies by award.