Earl E. Bakken Surgical Device Symposium 2018
Technological Advances in Organ Transplantation
Graduate Minneapolis, University of Minnesota Campus
Friday, October 12, 2018

7:15 a.m. Registration and Breakfast

7:50 a.m. Welcome & Introduction by Course Directors: Dr. Ken Liao and Dr. Paul Iaizzo

8:00 a.m. KEYNOTE LECTURE
Arthur Matas, MD, Professor of Surgery and Director of Renal Transplant Program, University of Minnesota – “History of Transplantation at the University of Minnesota”

Session 1 – Kidney and Pancreas Transplantation
Moderator: Raja Kandaswamy, MD, Professor of General & Transplant Surgery, University of Minnesota

8:40 Session Keynote Lecture: Enrico Benedetti, MD, Chairman, Department of surgery, University of Illinois at Chicago – “Robotic Surgery in Transplantation”

9:10 Raja Kandaswamy, MD, Professor, General & Transplant Surgery, University of Minnesota
“Kidney and Pancreas Transplantation at the University of Minnesota”

9:30 Ahmad AbuSalah, PhD, MSc, Research Assistant Professor, Institute for Health Informatics (IHI), University of Minnesota
“Informatic Services and Infrastructure: Collaboration with Surgery”

9:50 Speaker TBD
“Devices to Assess the Viability of Organs”

10:10 Panel Discussion

10:20 Refreshment Break

Session 2 – Liver Transplantation
Moderator: Srinath Chinnakotla, MD, Professor of Surgery, Surgical Director of Liver Transplantation, Clinical Director of Pediatric Transplantation, University of Minnesota

10:40 Session Keynote Lecture: Ki-Hun Kim, MD, PhD
“Living Donor Liver Transplantation: Evolution of Devices for Parenchymal Transection”

11:10 Varvara Kirchner, MD, Assistant Professor, Transplant Surgery, University of Minnesota
“Stem Cell Technology for Liver Transplantation”

11:30 Erik Finger, MD, PhD, Assistant Professor, Transplant Surgery, University of Minnesota
“Nano Technology for Preserving Livers”

11:50 Speaker TBD
“Normothermic preservation technology for liver transplantation”

12:10 Panel Discussion
12:30-1:30 p.m.    Lunch Break

**Session 3 – Heart and Lung Transplantation**

**Moderator:** Kenneth K. Liao, MD, PhD, Professor of Surgery and Surgical Director of Heart Transplantation, University of Minnesota, Minneapolis

1:30  **Session Keynote Lecture:** Ralph Morton “Chip” Bolman III, MD, Professor of Surgery, Division of Cardiothoracic Surgery, University of Vermont, Burlington

“Historical Development and Progress of Heart Transplantation”

2:00  **Soon Park, MD**, Division Chief, Cardiac Surgery, UH Cleveland Medical Center

“Technology that Assists in Patient Care Prior to Transplant/LVADs”

2:20  **Marshall Hertz, MD**, Judith H. and John M. Murphy Professor of Medicine, Division of Pulmonology, University of Minnesota

“Lung Transplantation—What Will Gen 3 Be Like?”

2:40  **Stephen Huddleston, MD, PhD** Assistant Professor and Director of Lung Transplantation, University of Minnesota

“The Evolving Role of Organ Care Systems in Lung Transplantation”

3:00  Panel Discussion

3:10  **Refreshment Break**

3:20  **Dr. Yoshio Sako Named Lecture**

William E. “Billy” Cohn, MD, Professor of Surgery, Cardiothoracic Transplantation & Circulatory Support, Baylor College of Medicine, Houston, TX

Director, Center for Device Innovation, TMC/Johnson & Johnson Innovation

“Emerging Technologies Utilized to Generate Next Generation Medical Devices: Computational Modeling, Virtual Prototyping and 3D Printing”

4:00  ADJOURN