

8:30 Welcome

8:40 Keynote: *Cellular Therapies in Reconstructive Transplantation*
Maria Siemionow, University of Illinois in Chicago

Session 1: New Technologies

9:30 *3D printing of Vascularized Tissues for in Vitro and in Vivo Studies*
Jordan Miller, Rice University

9:45 *Natural Matrix Model for Isolating Circulating Tumor Cells in Cancer Metastasis*
Min Kim, Houston Methodist Research Institute

10:00 Break

Session 2: Gastrointestinal

10:15 *Human Intestinal Enteroids: New Models of GI Epithelium for Research and Regenerative Medicine*
Sarah Blutt, Baylor College of Medicine

10:30 *Salivary Stem Cell-Based Solutions for Relief of Xerostomia (Dry Mouth)*
Cindy Farach-Carson, University of Texas Health Science Center

Session 3: Military Applications

10:45 Panel: Military Applications
Mark Wong, UTHealth
Charles Cox, University of Texas Health Science Center

11:45-1:30 Lunch and Poster session

12:30 Poster judging

Session 4: NeuroRegenerative Medicine

1:30 *Stem Cell Therapy for Spinal Cord Injury Using Patient-specific iPSCs*
Ying Liu, University of Texas Health Science Center

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- 1:45 *MSC for TBI: Attempting to Relate in Vitro Activity with in Vivo Efficacy*
Scott Olson, University of Texas Health Science Center
- 2:00 Rapid Fire Trainee Presentations
- 3:30 *Center for Biomaterials: Introduction and Overview*
Anthony Melchiorri, Rice University
- 3:45 Break
- 4:00 **Keck Seminar: Mesenchymal Stem Cells as a Discovery Platform for Novel Therapies in Traumatic Brain Injury**
Shibani Pati, Blood Systems Research Institute
- 5:00 Reception