

8:00	8:45	Breakfast	
8:45	9:00	Dr. Gordon Keller & Dr. Bradly Wouters	Welcome & Opening Remarks
Session 1 – Co-Chairs: Dr. Sarah Crome & Dr. Adriana Migliorini			
9:00	9:25	Dr. Sonja Schrepfer , University of California San Francisco Protecting Transplanted Cells from Immune Rejection is the Key to Unlocking the Potential of Regenerative Medicine	
9:25	9:50	Dr. Trevor Reichman , UHN Update on Beta Cell Replacement Therapy for the Management of Diabetes	
9:50	10:15	Dr. Cristina Nostro , UHN Building stem cell-derived islets for diabetes treatment: learning from the human fetal niche	
10:15	10:40	Dr. Elmar Jaeckel , UHN Tissue-specific immune tolerance enabling tissue regeneration and regenerative medicine	
10:40	11:00	Break	
Session 2 – Co-Chairs: Dr. Michael Garton & Michelle Lohbihler			
11:00	11:25	Dr. Mitch Weiss , St. Jude's Hospital Genome Editing for Hemoglobin Disorders	
11:25	11:50	Dr. Shinichiro Ogawa , UHN Developing Human Pluripotent Stem Cell-Derived Liver Tissue through the Utilization of 3D Organoids and 3D Bioprinting Technology	
11:50	12:15	Dr. Lior Zangi , Mount Sinai The SMRTs* way to fix the heart (*Specific Modified mRNA Translational System)	
12:15	1:15	Lunch	

Session 3: NFRF-T Feature Session
Co-Chairs: Drs. Sara Vasconcelos & Faisal Alibhai

1:15	1:40	Dr. Adam Feinberg, CMU FRESH 3D Bioprinting Therapeutic-Scale Human Heart Muscle	
1:40	2:05	Dr. Michael Laflamme, UHN Maturation of Human Pluripotent Stem Cell-Derived Cardiomyocyte Grafts	
2:05	2:30	Dr. Jonathan Kimmelman, McGill University How to Make a Science-Based Case for Early Phase Trials and/or Innovative Care: The PATH approach	
2:30	2:55	Dr. Stephanie Protze, UHN Biological Pacemakers: A Cell Therapy Approach to Cardiac Pacing	
2:55	3:15	Break	

Session 4 – Co-Chairs: Dr. Gordon Keller & Dr. Ian Fernandes

3:15	3:40	Dr. Karun Singh, UHN 3D Assembloid Models to Identify Neural Circuit Deficits in Human Neurodevelopmental Disorders	
3:40	4:05	Dr. Yun Li, SickKids Investigating mTOR Hyperactivation Related Neurodevelopmental Disorders in Human Brain Cells and Organoids	
4:05	4:40	Keynote: Dr. Viviane Tabar, MSK Phase 1 Trial of Human Pluripotent Stem Cell Dopamine Neurons for Parkinson's Disease	
4:40	4:45	Dr. Gordon Keller, UHN	Closing Remarks
4:45	6:00	Networking	