MONDAY, FEBRUARY 1
Arrival and Registration

TUESDAY, FEBRUARY 2
Welcome and Keynote Address
Joseph C. Wu, Stanford University School of Medicine, USA
iPSC Modeling of Cardiovascular Disease for Precision Medicine

Molecular Mechanism of Cardiogenesis
Nicole Dubois, Icahn School of Medicine at Mount Sinai, USA
Establishing Lineage Heterogeneity During Early Heart Development
Ivan P. Moskowitz, University of Chicago, USA
Gene Regulatory Network Control of Cardiac Development
Katherine E. Yutzey, Cincinnati Children's Hospital Medical Center, USA
Role of Macrophage Lineages during Valvulogenesis and Fibrosis
Short Talks Chosen from Abstracts

Cellular and Organismal Modeling of Congenital Heart Disease
Mona Nemer, University of Ottawa, Canada
Modeling of Bicuspid Aortic Valve in Mice
Caroline E. Burns, Harvard Medical School, Boston Children's Hospital, USA
Zebrafish Model of DiGeorge Syndrome
Short Talks Chosen from Abstracts

Biophysic of Cardiomyocytes
Michael Regnier, University of Washington, USA
Disease of the Sarcomere: Cardiomyopathy Mutations that Alter Structure and Function
Wolfgang A. Linke, University of Munster, Germany
Titin Biomechanics and Dilated Cardiomyopathy
Benjamin L. Prosser, University of Pennsylvania, USA
Microtubule Tyrosination and Cardiomyocyte Function
Stefan Luther, Max Planck Institute, Germany
Imaging of Complex Arrhythmia
Short Talks Chosen from Abstracts

POSTER SESSION 1

THURSDAY, FEBRUARY 4
Engineered Cardiac Tissues for Disease Modeling
James Hudson, QIMR Berghofer Medical Research Institute, Australia
Cardiac Organoid for Cardiac Maturation Phenotype Screening
Milica Radisic, University of Toronto, Canada
Engineered Platform for High Throughput Disease Modeling and Drug Screening
Jordan S. Miller, Rice University, USA
Engineering Vasculature in 3D Tissue
Christopher S. Chen, Boston University, USA
Engineering Tissue Platforms for Modeling Cardiomyopathy
Short Talks Chosen from Abstracts

Workshop 2: Challenges and Opportunities in 2D and 3D Models of Cardiac Disease for Therapeutic Development

Therapeutic Approaches to Cardiac Repair and Regeneration
Charles E. Murry, University of Washington, USA
Pluripotent Stem Cell-Derived Cardiomyocyte Transplantation for Heart Repair
Wolfram H. Zimmermann, University Medical Center Göttingen, Germany
Tissue Engineered Patch for Heart Repair
Speaker to be Announced
Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, FEBRUARY 5
Departure

* Session Chair † Invited but not yet accepted  Program current as of June 20, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit http://www.keystonesymposia.org.