Seventh Annual Cardiovascular Research Institute (CVRI) Symposium
Wednesday April 10, 2019

8:00 a  Breakfast and Registration  Rayzar Lounge
         Poster preview session

8:45 a  Opening Remarks and Welcome  Cullen Auditorium
        Adam Kuspa, PhD
        Senior Vice President and Dean of Research
        Interim Dean, Graduate School of Biomedical Sciences
        Salih J. Wakil, PhD Endowed Chair in the Verna & Marrs McLean
        Department of Biochemistry and Molecular Biology
        Professor, Departments of Biochemistry and Molecular Biology,
        Molecular and Human Genetics, and Pharmacology
        Baylor College of Medicine

Lectures  Cullen Auditorium

Session Chair  William R. Lagor, PhD
               Assistant Professor, Department of Molecular Physiology and Biophysics
               Baylor College of Medicine

8:55 a  “Sex Differences in Stroke”  Louise D. McCullough, MD, PhD
        Roy M. and Phyllis Gough Huffington Distinguished Chair
        Professor and Chair, Department of Neurology
        McGovern Medical School at UTHealth

9:15 a  “Cardiogenic Shock: What Have We Learned So Far”  Ziad A. Taimeh, MD
        Assistant Professor, Department of Medicine-Cardiology
        Baylor College of Medicine

9:30 a  “NLRP3 Inflammasome Mediates the Obesity-Induced Pathogenesis of
        Atrial Fibrillation”  Larry Scott, Jr., BS
        Student, Department of Molecular Physiology and Biophysics
        Baylor College of Medicine
        *Top selected abstract

9:40 a  “Effects of Weightlessness on the Human Cardiovascular System”  Peter Norsk, MD, dr. med
        Professor, Department of Molecular Physiology and Biophysics,
        Center for Space Medicine
        Baylor College of Medicine

10:00 a – 10:50 a  Poster Session  Rayzar Lounge
               (with refreshments)

10:05 a  Rapid Fire Poster Session 1: Groups 1-6
**Lectures**  
*Cullen Auditorium*

**Session Chair**  
Xander Wehrens, MD, PhD  
Director, Cardiovascular Research Institute  
Juanita P. Quiqley Endowed Chair in Cardiology  
Professor, Departments of Molecular Physiology and Biophysics, Medicine, Pediatrics, and Center for Space Medicine  
Baylor College of Medicine

10:55 a  
“Alternative Splicing Regulatory Networks in Heart Postnatal Development and their Disruption in Myotonic Dystrophy”  
**Thomas A. Cooper, MD**  
Professor, Department of Pathology and Immunology  
Baylor College of Medicine

11:15 a  
“Genetic Abrogation of the Mitochondrial Permeability Transition Pore”  
**Jason Karch, PhD**  
Assistant Professor, Cardiovascular Research Institute, Department of Molecular Physiology and Biophysics  
Baylor College of Medicine

11:30 a  
**Distinguished Keynote Lecture**

“Polyploidy: Doubling Down on Cardiac Adaptation and Regulation”  
**Mark Sussman, PhD**  
Director, Integrated Regenerative Research Institute  
Distinguished Professor of Biology  
SDSU Heart Institute  
San Diego State University

12:30 p – 1:25 p  
**Poster Session**  
*Rayzor Lounge*  
(lunch served throughout)

12:35 p  
Rapid Fire Poster Session 2: Groups 1-5

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**Lectures**  
*Cullen Auditorium*

**Session Chair**  
Joshua Wythe, PhD  
Assistant Professor, Department of Molecular Physiology and Biophysics  
Baylor College of Medicine

1:30 p  
“Determinants of Cardiovascular Disease Risk in Obese Youth With Non-Alcoholic Fatty Liver Disease (NAFLD)”  
**Ishita Jindal, MD**  
Clinical Postdoctoral Fellow, Department of Pediatrics  
Baylor College of Medicine  
*Top selected abstract

1:40 p  
“The Intestinal Microbiome is Altered in Pediatric Heart Transplantation”  
**Joseph Spinner, MD**  
Clinical Postdoctoral Fellow, Department of Pediatrics-Cardiology  
Baylor College of Medicine  
Texas Children’s Hospital
“Induction of Cardiac Myocyte Replication”
Robert J. Schwartz, PhD
Hugh Roy and Lillian Cranz Cullen Distinguished University Professor,
Department of Biology and Biochemistry
University of Houston

“Aibp Instructs Hematopoietic Stem and Progenitor Cell Fate through SrebP2-Regulated Notch Signaling”
Qilin Gu, PhD
Postdoctoral Researcher, Department of Cardiovascular Sciences
Houston Methodist Research Institute
*Top selected abstract

2:30 p – 3:15 p Poster Session (with refreshments)  Rayzor Lounge

2:35 p Rapid Fire Poster Session 3: Groups 1-4

Lectures  Cullen Auditorium

Session Chair: Na Li, PhD
Assistant Professor, Department of Medicine-Cardiovascular Research
Baylor College of Medicine

3:20 p “Genetic Guided Genomics to Gain Insights into the Pathogenesis and Treatment of Cardiomyopathies”
AJ Marian, MD
Director, Center for Cardiovascular Genetics
James T. Willerson, MD Distinguished Chair in Cardiovascular Research
Professor of Molecular Medicine (Genetics) and Medicine (Cardiology)
Institute of Molecular Medicine
University of Texas Health Sciences Center
Texas Heart Institute

3:35 p “A Steroid Receptor Coactivator Stimulator (MCB-613) Promotes Cardiac Protection and Repair After Myocardial Infarction”
Lisa K. Mullany, PhD
Assistant Professor, Department of Molecular and Cellular biology
Baylor College of Medicine
*Top selected abstract

Awards Ceremony and Distinguished Keynote Lecture  Cullen Auditorium

Session Chair: Biykem Bozkurt, MD, PhD
Director, Winters Center for Heart Failure Research
Mary and Gordon Cain Chair, and W.A. “Tex” and Deborah Moncrief Jr. Chair
Medical Care Line Executive (Department of Medicine Chair)
Michael E. DeBakey Veterans Affairs Medical Center
Vice Chair, Department of Medicine
3:45 p  
*Awards Ceremony*

4:00 p  
*Distinguished Keynote Lecture*

“What About the Future? I’m Busy with Precision Medicine!”  
*Mariell Jessup, MD, FACC, FAHA, FESC*  
Chief Science and Medical Officer  
American Heart Association

*Reception with Poster Viewing*  
*Rayzor Lounge*

5:00 p  
Spirits and hors d’oeuvres  
Poster viewing and discussion/ networking