

November 8, 2018

6:00 PM

A-CURE COCKTAIL AND DINNER RECEPTION

The Art Institute of Chicago

The Chicago Stock Exchange Trading Room

Cocktail Reception: 6-7:00 pm

Dinner: 7-9:00pm

Open Gallery Viewing: 9-10:00 pm

November 9, 2018

Meeting Site

The Blackstone Hotel

Crystal Ballroom

636 South Michigan Ave.

Chicago, IL 60605

7:00-8:00 AM

Breakfast

Art Hall, Blackstone Hotel

8:00-8:10 AM

Welcome and Introductory Comments

8:10 – 10:00 AM

SESSION I

ADVANCES IN BASIC AND PRECLINICAL SCIENCE OF ACUTE UNLOADING AND MYOCARDIAL SALVAGE

Discussion leaders: Ryan Tedford, Roger Hajjar, Nir Uriel

- 8:10 – 8:25** **Dan Burkhoff (Columbia)**, The State of the Field: Our Current Understanding of Ventricular Unloading
- 8:25 – 8:40** **Kiyotake Ishikawa (Mt. Sinai Hospital)**, Cardiac Uptake and Release of Exosomes During Altered Left Ventricular Load in Ischemic HF
- 8:40 – 8:55** **Lija Swain (Tufts Medical Center)**, Acute Unloading and Gene Mitochondrial and Ca²⁺ Gene Regulation
- 8:55 – 9:10** **Kenji Sunagawa (Kyushu University)**, Automated Complete Cardiac Unloading and Limiting Infarct Scar Size: Exploration and Development of First Generation Autopilot System
- 9:10 – 9:25** **Jacob Möller (Odense University)**, Mechanical Circulatory Support by VA ECMO or Impella CP and Impact on Left Ventricular Unloading and End Organ Perfusion in a Porcine Model of Profound Cardiogenic Shock
- 9:25 – 9:40** **Carlos Santos-Gallego (Mt. Sinai Hospital)**, **Winner: Best in Research Award**, Left Ventricular Unloading with Impella Causes Cardiac Metabolic Remodeling with a Significant Reduction in Myocardial Glucose Consumption and Lactate Production

9:40 – 9:55 **Shiva Annamalai, (Tufts Medical Center), Winner: Young Investigator Scholarship, Primary Left Ventricular Unloading Enhances Collateral Blood Flow and Reduces Infarct Size: A Preclinical Proof of Concept Study**

9:55 – 10:10 AM **BREAK**

10:10 – 11:00 AM **Poster Session #1**

11:00 – 11:45 AM **KEYNOTE SPEAKER**

JAMES UDELSON, MD

TUFTS MEDICAL CENTER

Left Ventricular Remodeling: Therapeutics Effects, Implications for Trials and Lessons from Chronic Heart Failure

11:45 – 12:50 PM **LUNCH, ART HALL, BLACKSTONE HOTEL**

12:50 – 2:10 PM **SESSION II**

CLINICAL RESEARCH PROGRAMS OF CARDIAC UNLOADING

Discussion leaders: Bart Meyns, Hermann Reichenspurner, Patrick Hunziker

12:50-1:10 **Ralf Westenfeld (University of Düsseldorf), The Cardio-renal System: Acute Kidney Injury and MCS, Opportunity for Improved Patient Outcomes**

1:10-1:25 **Xiaoying Qiao (Tufts Medical Center); VA-ECMO Increases Urinary Levels of the Biomarker Kidney Injury Marker-1 (KIM-1) in a Preclinical Model of Acute Myocardial Infarction**

1:25-1:40 **Julian Wiora (University of Düsseldorf), Impella Is Associated With Reduced Incidence Of Contrast-Induced Nephropathy In Patients At Higher Risk For PCI**

1:40-1:55 **Andreas Schäfer (Hannover Medical School), Impact of Unloading During AMI-CGS: The Hannover Cardiac Unloading Registry (HACURE) and European Multicenter Experience.**

1:55-2:10 **Alexander Bernhardt (University Hospital Hamburg-Eppendorf) First In Man Implantations of a Newly Designed Transaortic Axial Flow Ventricular Assist Device, Impella 5.5**

2:10-3:00 PM **Poster Session #2**

3:00-4:25 PM **SESSION III**

NEW FRONTIERS AND CLINICAL TRANSLATION OF UNLOADING

Discussion leaders: Mark Anderson, Michel Ovize, Carsten Tschöpe

3:00-3:15 **Ajar Kochar (Duke Clinical Research Institute), Development of Heart Failure Among Survivors of STEMI and NSTEMI and Long-term Outcomes**

- 3:15-3:30 **Robert Kloner, MD, PhD (Chief Science Officer: Huntington Medical Research Institute & Prof. of Medicine (Clinical Scholar): University of Southern California)**, Survival, Differentiation and Contractility of Immature Cardiac Cells Implanted into the Outer Walls of Aorta and Vena Cavae of Rats: A Potential Step in the Development of an Auxillary Circulatory Pump
- 3:30-3:45 **Navin Kapur (Tufts Medical Center)**, Learning from the Door To Unload in STEMI Trial, Mechanical Left Ventricular Unloading as a Platform for Additional Cardioprotective Therapies
- 3:45-4:00 **Haroon Faraz (Hackensack University Medical Center)**, Case report from the Door To Unload in STEMI Study
- 4:00-4:25 **Panel Discussion: *Designing and Executing a Pivotal DTU Clinical Trial***
Dan Burkhoff, Mark Anderson, Navin Kapur, Haroon Faraz, Jeff Moses, Robert Kloner, Michel Ovize, Carsten Tschöpe

4:30 PM

CLOSING COMMENTS, AUDIENCE FEEDBACK, AND ADJOURN

5:00-7:00 PM

Cocktail Reception & Poster Viewing
The Barbershop and 1600 Club, The Blackstone Hotel