

## "Providing Healthcare Solutions Through Discovery, Education, & Engineering"

**MAY 27**

**GENERAL SESSION - OPPORTUNITIES FOR INNOVATION IN THE FACE OF HEALTHCARE REFORM**

IT / Bioinformatics / Healthcare

John Giobbi  
Ryan Gallivan, MD  
Mike Bonetto, PhD

Keynote Address - The Future Impact of Healthcare Reform and the Regulatory Climate on Medical Device Innovation - Roger Evans, PhD

International Perspectives on Healthcare Reform

Changes in Healthcare Reform in Europe - Emma Birks, MD, PhD

Changes in Healthcare Reform in Asia - \*\*Takeshi Nakatani, MD, PhD

**WORKING LUNCHEON**

Decreasing Complications with VAD Support - Role of Physician & Industry - \*\*Ranjit John, MD

**MAY 28**

**GENERAL SESSION - DISRUPTIVE TECHNOLOGIES: DEVELOPING THE NEXT BREAKTHROUGH**

Keynote Address - Disruptive Technologies Future - Christopher Coburn, PhD

The Safe Surgeon and Surgical Innovation - \*\*William Holman, MD

ECMO as Organ Resuscitation for Donors after Cardiac Death - Constantino Fondevila, MD, PhD

ASAIO Hastings Lecture - Artificial Lung - A New Inspiration - \*\*Joseph Zwischenberger, MD

50th Scribner Anniversary - Dialyzing His First Patients with Chronic Renal Failure Using the Scribner - Quinton Shunt - \*\*Christopher Blagg, MD

**WORKING LUNCHEON**

Physicians Present - Training & Education with Devices / Therapy - \*\*Mark Slaughter, MD

**MAY 28**

**SPECIAL EXHIBITION: Demonstrating the Preparation and Management During Transport of a Critically Ill Patient Who is Being Sent to a Tertiary Care Facility for a Highly Technical Procedure. In addition, Attendees Can See How Well They Perform Resuscitatio-Related Procedure:**

Integration of Medical Education and Technology, Recent Innovations

Richard Aghababian, MD  
James DuCanto, MD  
Jorge Yarzebski, NREMT-P

A. Preparation and Management during Transport of a Critically Ill Patient

B. Demonstration of Resuscitation-Related Procedures

**MAY 29**

**GENERAL SESSION - ROADMAP TO INNOVATION: FROM CONCEPT TO COMMERCIALIZATION**

Novel Tools and Techniques to Facilitate Off-Pump LVAD Implantation - \*\*William Cohn, MD

New Venture Forum - Bridging Innovative Medical Concepts and Technologies to a Commercial Reality

Debate - Ethics of Organ Resuscitation with Donors after Cardiac Death

\*\*Joseph Zwischenberger, MD

\*\*Jeffrey Punch, MD

MAY 27	CARDIAC TRACK	INTERNATIONAL SOCIETY FOR APHERESIS SESSION	BIOENGINEERING TRACK	NEUROSCIENCE TRACK
	<p><u>Next Trial for REVIVE - IT</u>  <u>The Need and the Challenge</u>                      Leslie Miller, MD  <u>REVIVE - IT Trial Update</u>                      **Timothy Baldwin, PhD</p> <p><u>Debate - Control Based on Venous Return - Is It Enough?</u>                      **Robert Benkowski, BSME                      **Heinrich Schima, PhD</p> <p><u>FDA's Role &amp; Position on the Harmonization By Doing Initiative</u>                      **Eric Chen, MS</p> <p><u>Omics in Tracking, Remodeling and Reverse Remodeling: Where do we Stand?</u>                      Jennifer Van Eyk, PhD</p> <p><u>Designing LVAD Trials - FDA Perspective</u>                      **Eric Chen, MS</p> <p><u>Do You Like Your LVAD With or Without Warfarin? New VAD Design to Avoid Systemic Anticoagulation</u>                      **Egemen Tuzun, MD</p>	<p><u>Selective Apheresis Technologies - Current Status and Future Perspectives</u>                      Wolfgang Ramlow, MD</p> <p><u>Apheresis Therapy in Immune-Mediated Vasculitides</u>                      **Andre Kaplan, MD</p> <p><u>Apheresis Therapy in Solid Organ Transplantation</u>                      K Derfler</p> <p><u>Current Status of Apheresis Therapy in Sepsis and Liver Failure</u>                      **Dieter Falkenhagen, MD, PhD</p> <p><u>Adsorptive Cytapheresis - An Effective Treatment Option in Inflammatory Bowel Diseases</u>                      Takeshi Matsumoto, PhD</p> <p><u>Apheresis Therapy in Neurological Diseases - Current Status and Future Perspectives</u>                      S Koh</p> <p><u>Immunoadsorption in Idiopathic Dilated Cardiomyopathy</u>                      L Herda</p> <p><u>Rheological Effects of Lipid Apheresis</u>                      P Moriarty</p>	<p><u>Presentations of Top Design Projects from 5 Institutions</u></p> <p><u>Artificial Muscles</u>                      Mohsen Shahinpoor, PhD</p> <p><u>Translational Biomedical Engineering for Artificial Organ Research &amp; Development</u>                      Bastian de Mol, MD, PhD</p> <p><u>Bioengineering Challenges In Engineered Tissue Valves</u>                      Michael Sacks, PhD</p>	
MAY 28	CARDIAC TRACK	PULMONARY TRACK	BIOENGINEERING TRACK	NEUROSCIENCE TRACK
	<p><u>Dual Continuous Flow: Total Artificial Heart with Induced Pulsatility</u>                      **O Howard Frazier, MD</p> <p><u>Remote Monitoring Session</u>                      Greg Ewald, MD</p> <p><u>Human Factors and When to Evaluate the Device</u>                      **Sonna Patel-Raman, PhD                      **Jeffrey LaRose, MSME</p> <p><u>Hypothermia</u>                      Marie Mullen, MD</p>	<p><u>Informal Roundtable Discussion of Recent Research in Respiratory Support</u></p> <p><u>Using ECMO as an Ambulatory Bridge to Lung Transplantation</u>                      Bartley Griffith, MD</p> <p><u>Neurally Adjusted Ventilatory Assist</u>                      Christer Sinderby, BSc</p> <p><u>Novel Technology and Applications for Nitric Oxide</u>                      **Alfred Tector, MD</p>	<p><u>Microtechnology - Devices</u>                      Robert Keynton, PhD</p> <p><u>Surface Coatings – Interface Between Biological Tissue and Devices</u></p> <p><u>Artificial Bladder - Neo-Organs</u>                      Tamer Aboushwareb, MS, MD, PhD</p> <p><u>Creating a New Cardiovascular Bioengineering Institute in Turkey</u>                      **Kamuran Kadipasaoglu, PhD                      **Taha Elibol, BS</p>	<p><u>Neuromorphic Engineering - Artificial Neural Systems, Such As Vision Systems, Head-Eye Systems, Auditory Processors &amp; Autonomous Robots</u>                      Timothy Horiuchi, PhD                      John Pizaris, PhD                      Phil Troyk, PhD</p> <p><u>Advances In Artificial Hearing</u>                      Christof Stieger, PhD</p> <p><u>Artificial Eyes</u>                      Robert Greenberg, MD, PhD</p>
MAY 28	PEDIATRIC TRACK		INTENSIVE DIALYSIS DAY	
	<p><u>An Overview of the NHLBI's PumpKIN Program</u>                      **Timothy Baldwin, PhD</p> <p><u>What Are the Best Methods for Anticoagulating Pediatric Patients with MCS Devices?</u>                      Christopher Almond, MD                      Patricia Massicotte, MD                      Holger Buchholz, MD</p>		<p><u>General Session - Intensive Outpatient Dialysis, Long and Short</u>                      Philip McFarlane, MD                      **Christopher Blagg, MD</p> <p><u>A Nurse Manager's Perspective on Intensive Maintenance Hemodialysis</u>                      David Smith, RN, CHN                      Lynda Newman, MSN, RN, ACNS-BC, CNN</p>	

**\*\*Peter Wearden, MD, PhD**

Challenges In Pediatric Assist Device Development & Use

**\*\*James Antaki, PhD**

Tenuous Economics of a Nocturnal Program

**Robert Provenzano, MD**

Practical Matters In Setting Up a Nocturnal Program

**Karl Schwarze, MD**

Technical and Practical Aspects of Daily Dialysis

**Maresh Krishnan, MD, MPH**

ESP With an Eye to Long Term Survival of the Program

**Lynda Newman, MSN, RN, ACNS-BC, CNN**

Controlled Pore Geometries for Enhanced Selectivity

**\*\*William Fissell, MD**

Anodized Alumina Membranes

**\*\*Zhongping Huang, PhD**

Annealed Silicon Nanoporous Membranes

**Christopher Striemer, PhD**

**MAY 29**

**COMMERCIALIZATION TRACK**

Commercialization Basics

**Equity Primer - The Play Book of VC's - Tracy Warren**

**Basics - Bonnie McLeod**

Small Business: Trials and Tribulations

**Doug Godshall**

How to Reach High Standards to Sell Your Laboratory? A win-win Situation for Industry and Academia!

**\*\*Egemen Tuzun, MD**

**\*\*Indicates an ASAIO Member**

**THIS CONFERENCE IS CO-SPONSORED BY THE UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL**

*It is the policy of the University of Massachusetts Medical School to ensure fair balance, independence, objectivity and scientific rigor in all activities. All faculty participating in CME activities sponsored by the University of Massachusetts Medical School are required to present evidence-based data, identify and reference off-label product use and disclose all relevant financial relationships with those supporting the activity or others whose products or services are discussed. Faculty disclosure will be provided in the activity materials.*

*This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the University of Massachusetts Medical School (UMMS) and ASAIO. The University of Massachusetts Medical School is accredited by the ACCME to provide continuing medical education for physicians.*

