

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

Thursday, May 27, 2010

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

IT / Bioinformatics / Healthcare

John Giobbi - President & CEO, Proxense LLC
Ryan Gallivan, MD - Medical Advisor Otolaryngology, Proxense LLC
Mike Bonetto, PhD - Dir Govt Affairs, Cascade Health Care

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

Roger Evans, PhD - Consulting Investigator, Private Practice

International Perspectives on Healthcare Reform

Changes in Healthcare Reform in Europe

Emma Birks, MD, PhD - Cardiologist, Harefield Hospital

Changes in Healthcare Reform in Asia

****Takeshi Nakatani, MD, PhD** - Dir Organ Transplantation, Nat'l Cardiovascular Ctr

WORKING LUNCHEON

Decreasing Complications with VAD Support - Role of Physician & Industry

****Ranjit John, MD** - Asst Prof Surgery, Univ of Minnesota

CARDIAC TRACK

Next Trial for REVIVE - IT

The Need and the Challenge

Leslie Miller, MD - Walters Chair of CV Medicine, Georgetown Univ

REVIVE - IT Trial Update

****Timothy Baldwin, PhD** - Prog Dir NHLBI, NIH

Debate - Control Based on Venous Return - Is It Enough?

****Robert Benkowski, BSME** - COO, MicroMed Cardiovascular

****Heinrich Schima, PhD** - Prof Biomed, Medical Univ Vienna

FDA's Role & Position on the Harmonization By Doing Initiative

****Eric Chen, MS** - Biomedical Engineer, FDA

Omics in Tracking, Remodeling and Reverse Remodeling: Where do we Stand?

Jennifer Van Eyk, PhD - Dir NHLBI Proteomics Ctr, John Hopkins Univ

Designing LVAD Trials - FDA Perspective

****Eric Chen, MS** - Biomedical Engineer, FDA

Do You Like Your LVAD With or Without Warfarin? New VAD Design to Avoid Systemic Anticoagulation

****Egemen Tuzun, MD** - Asst Dir CV, Texas Heart Inst

BIOENGINEERING TRACK

Presentations of Top Design Projects from 5 Institutions

Artificial Muscles

Mohsen Shahinpoor, PhD - Richard C Hill Prof & Chair Mech Eng, Univ of Maine

Translational Biomedical Engineering for Artificial Organ Research & Development

Bastian de Mol, MD, PhD - Prof CT Surgery, Academic Medical Center

Bioengineering Challenges In Engineered Tissue Valves

Michael Sacks, PhD - JA Swanson Chair Bioeng, Univ of Pittsburgh

INTERNATIONAL SOCIETY FOR APHERESIS SESSION

Apheresis Therapy I

Selective Apheresis Technologies - Current Status and Future Perspectives

Wolfgang Ramlow, MD - Medical Director, Clinic for Neph, Dialysis & Apheresis

Apheresis Therapy in Immune-Mediated Vasculitides

****Andre Kaplan, MD** - Prof Medicine, University of Connecticut Health Ctr

Apheresis Therapy in Solid Organ Transplantation

K Derfler -

Current Status of Apheresis Therapy in Sepsis and Liver Failure

****Dieter Falkenhagen, MD, PhD** - Head Clinical Med & Biotech, Danube Univ at Krems

Apheresis Therapy II

Adsorptive Cytapheresis - An Effective Treatment Option in Inflammatory Bowel Diseases

[Takeshi Matsumoto, PhD](#) - Assoc Prof Engineering, Osaka Univ

Apheresis Therapy in Neurological Diseases - Current Status and Future Perspectives

[S Koh](#) -

Immunoabsorption in Idiopathic Dilated Cardiomyopathy

[L Herda](#) -

Rheological Effects of Lipid Apheresis

[P Moriarty](#) -

Friday, May 28, 2010

GENERAL SESSION - DISRUPTIVE TECHNOLOGIES: DEVELOPING THE NEXT BREAKTHROUGH

Keynote Address - Disruptive Technologies Future

[Christopher Coburn, PhD](#) - Executive Director Innovations, Cleveland Clinic

The Safe Surgeon and Surgical Innovation

******[William Holman, MD](#) - Prof CT Surgery, Univ of Alabama at Birmingham - President ASAIO

ECMO as Organ Resuscitation for Donors after Cardiac Death

[Constantino Fondevila, MD, PhD](#) - Assoc Prof Surgery, Univ of Barcelona

ASAIO Hastings Lecture - Artificial Lung - A New Inspiration

******[Joseph Zwischenberger, MD](#) - Chair Surgery, Univ of Kentucky

50th Scribner Anniversary - Dialyzing His First Patients with Chronic Renal Failure Using the Scribner - Quinton Shunt

******[Christopher Blagg, MD](#) - Executive Director, Northwest Kidney Centers

WORKING LUNCHEON

Physicians Present - Training & Education with Devices / Therapy

******[Mark Slaughter, MD](#) - Chief Thoracic & CV Surg, Univ of Louisville

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 Resuscitation-Related Procedures

Integration of Medical Education and Technology, Recent Innovations

[Richard Aghababian, MD](#) - Assoc Dean CME, Univ of Massachusetts Medical School

[James DuCanto, MD](#) - Anesthesiologist, West Allis Memorial Hospital

[Jorge Yarzebski, NREMT-P](#) - Emergency Medicine Program Coordinator, Univ of Massachusetts Medical School

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

B. Demonstration of Resuscitation-Related Procedures

NEURAL TRACK

Neuromorphic Engineering - Artificial Neural Systems, Such As Vision Systems, Head-Eye Systems, Auditory Processors & Autonomous Robots

[Timothy Horiuchi, PhD](#) - Assoc Prof Computer Eng, Univ of Maryland

[John Pezaris, PhD](#) - Prof Surgery, Massachusetts General Hospital

[Phil Troyk, PhD](#) - Assoc Prof Bioeng, IIT

Advances In Artificial Hearing

[Christof Stieger, PhD](#) - Prof Artificial Hearing, Univ of Bern

Artificial Eyes

[Robert Greenberg, MD, PhD](#) - President & CEO, Second Sight

PULMONARY TRACK

Informal Roundtable Discussion of Recent Research in Respiratory Support

Using ECMO as an Ambulatory Bridge to Lung Transplantation

[Bartley Griffith, MD](#) - Prof & Chief Cardiac Surgery, Univ of Maryland

Neurally Adjusted Ventilatory Assist

[Christer Sinderby, BSc](#) - Staff Scientist, St Michael's Hospital

Novel Technology and Applications for Nitric Oxide

******[Alfred Tector, MD](#) - Director Transplantation, Aurora St Lukes Medical Center

CARDIAC TRACK

Dual Continuous Flow: Total Artificial Heart with Induced Pulsatility

******[O Howard Frazier, MD](#) - Chief Center for Cardiac Support, Texas Heart Inst

Remote Monitoring Session

[Greg Ewald, MD](#) - Assoc Prof Medicine, Washington Univ

Human Factors and When to Evaluate the Device

- **Sonna Patel-Raman, PhD - Biomedical Engineer, FDA - FDA Perspective
- **Jeffrey LaRose, MSME - Chief Scientific Officer, HeartWare Inc - Industry Perspective

Hypothermia

- Marie Mullen, MD - Clinical Assoc Prof Emergency Medicine, Univ of Massachusetts

BIOENGINEERING TRACK

Microtechnology - Devices

- Robert Keynton, PhD - Prof & Chair Bioeng, Univ of Louisville

Surface Coatings – Interface Between Biological Tissue and Devices

Artificial Bladder - Neo-Organs

- Tamer Aboushwareb, MD, PhD - Research Instructor, Wake Forest Institute

Creating a New Cardiovascular Bioengineering Institute in Turkey

- **Kamuran Kadipasaoglu, PhD - Instructor Mech Eng, Bahcesehir Univ
- **Taha Elibol, BS - Research Assistant, Bahcesehir Univ

PEDIATRIC TRACK

An Overview of the NHLBI's PumpKIN Program

- **Timothy Baldwin, PhD - Prog Dir NHLBI, NIH

What Are the Best Methods for Anticoagulating Pediatric Patients with MCS Devices?

- Christopher Almond, MD - Cardiology Children's Hosp Boston
- Patricia Massicotte, MD - Dir Vascular Patency, Univ of Alberta
- Holger Buchholz, MD - Clinical Asst Prof Surg, Univ of Alberta
- **Peter Wearden, MD, PhD - Pediatrics CT Surgeon, Childrens Hospital of Pittsburgh

Challenges In Pediatric Cardiac Assist Device Development & Use

- **James Antaki, PhD - Prof Biomed Eng, Carnegie Mellon Univ

Friday, May 28, 2010 INTENSIVE DIALYSIS DAY ♦ Organized by Dr William Fissell, Dr Robert Lindsay & Dr Andre Kaplan

RENAL GENERAL SESSION - INTENSIVE OUTPATIENT DIALYSIS, LONG AND SHORT

- Philip McFarlane, MD - Medical Dir Nephrology, Univ of Toronto
- **Christopher Blagg, MD - Executive Director, Northwest Kidney Centers

RENAL WORKING LUNCHEON

A Nurse Manager's Perspective on Intensive Maintenance Hemodialysis

- Introduction David Smith, RN, CHN - Clinical Manager, Fresenius Medical Care NA
- Lynda Newman, MSN, RN, ACNS-BC, CNN - Clinical Coordinator Home Dialysis, Univ Hospital Case Medical Ctr

RENAL PARALLEL SESSIONS

Renal Track A. Nuts and Bolts of Intensive Outpatient Therapies

Tenuous Economics of a Nocturnal Program

- Robert Provenzano, MD - Dir Nephrology, St Johns Hospital & Medical Center

Practical Matters In Setting Up a Nocturnal Program

- Karl Schwarze, MD - Dir Dialysis Unit, Akron Nephrology

Technical and Practical Aspects of Daily Dialysis

- Mahesh Krishnan, MD, MPH - VP Clinical Research, DaVita Inc

ESP With an Eye to Long Term Survival of the Program

- Lynda Newman, MSN, RN, ACNS-BC, CNN - Clinical Coordinator Home Dialysis, Univ Hospital Case Medical Ctr

Renal Track B. Novel Membrane Technologies

Controlled Pore Geometries for Enhanced Selectivity

- **William Fissell, MD - Assoc Staff, Cleveland Clinic

Anodized Alumina Membranes

- **Zhongping Huang, PhD - Asst Prof Mech Eng, Widener Univ

Annealed Silicon Nanoporous Membranes

- Christopher Striemer, PhD - Research Assoc, Univ of Rochester

Saturday, May 29, 2010

GENERAL SESSION - ROADMAP TO INNOVATION: FROM CONCEPT TO COMMERCIALIZATION

Novel Tools and Techniques to Facilitate Off-Pump LVAD Implantation

- **William Cohn, MD - CV Surgeon, Texas Heart Institute

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

The Sorcerer's Apprentice - An Inventor's Journey

****Richard Wampler, MD** - Consultant

Debate - Ethics of Organ Resuscitation with Donors after Cardiac Death

****Joseph Zwischenberger, MD** - Chair Surgery, Univ of Kentucky

****Jeffrey Punch, MD** - Chief Transplantation, Univ of Michigan Medical Center

COMMERCIALIZATION TRACK

Commercialization Basics

Equity Primer - The Play Book of VC's

Tracy Warren - General Partner, Battelle Ventures LP

Basics

Bonnie McLeod - Partner, Cooley Godward Kronish LLP

Small Business: Trials and Tribulations

Doug Godshall - President & CEO, HeartWare Inc

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

****Egemen Tuzun, MD** - Asst Dir CV Surg, Texas Heart Inst

****Indicates an ASAIO Member**

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

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.

