The University of Michigan Health System, Department of Surgery

Moses Gunn Annual Research Conference *
Thursday, May 12th, 2011
Towsley Center for Continuing Medical Education

8:00  Continental Breakfast and Poster Session
     Towsley Lobby

8:30  Introduction
     Dow Auditorium
     Michael W. Mulholland, MD, PhD
     Frederick A. Coller Professor of Surgery and Chairman, Department of Surgery

8:35  Scientific Session I
     Dow Auditorium
     Moderator: Peter Henke, MD
     Leland Ira Doan Research Professor of Vascular Surgery and Associate Chair for Research
     Electroporation Mediated in-vivo Gene Delivery of the Na+/K+-ATPase Pump Reduces Lung Injury in a Mouse Model of Lung Contusion
     -- David Machado-Aranda, MD
     Inhibition of the Notch Signaling Pathway Targets Cancer Stem Cells in Pancreatic Ductal Adenocarcinoma
     -- Erica N. Proctor, MD
     Racial Disparities in Admission to Low Quality Hospitals for Surgical Care
     -- Govind Rangrass, BA
     Stem-Cell Therapy Mitigates Radiation-Induced Non-Union in Murine Mandibular Distraction Osteogenesis
     -- Sagar S. Deshpande
     Combination of Phosphomimetic Substitutions in Cardiac Troponin I Causes Functional Cross-Talk
     -- Sarah Kampert BA
     Increased PAI-1 in Females Compared to Males is Protective for Abdominal Aortic Aneurysm Formation in a Rodent Model
     -- Paul D. DiMusto, MD
     Frailty In Patients Referred For Liver Transplant Evaluation: An Independent Domain Associated With Decreased Survival
     -- Meredith E. Harris
     Creation of a Simple Venous Thromboembolism Risk Score for Outpatient Surgery: Analysis of the NSQIP Database
     -- Christopher J. Pannucci MD,MS
     Core Muscle Size is a Unique Domain of Surgical Risk
     -- Kyle H. Sheetz
     Psoas Morphomics: Correlates of Mortality in Patients Hospitalized in the Surgical Intensive Care Unit
     -- Constance Mobley, MD

11:00 Poster Presentation Rounds
     Towsley Lobby

11:45 Lunch
     Towsley Lobby

12:45 Scientific Session II
     Dow Auditorium
     Development of an Artificial Placenta: Can Fetal Circulation be Maintained using a Veno-Venous Extracorporeal Life Support Model?
     -- Brian W. Gray, MD
     Surgical Outcomes in Medicare Patients at NSQIP and Non-NSQIP Hospitals
     -- Nicholas H. Osborne MD, MS
     Sterile Inflammation is TLR9 Dependent in Experimental Venous Thrombosis Resolution
     -- Nicholas A. Dewyer, BSE
     Factors Impacting Failure of Freedom from Re-Admission Rate in Patients with Ventricular Assist Device
     -- Muhammad Faraz Masood, MD
     Incorporating the Evidence using Computerized Physician Order Entry (CPOE) and Dashboards: Implementation of the SCCM Adult Red Blood Cell Transfusion Clinical Guidelines
     -- Eric Luehr, MD

1:50 Break
     Towsley Lobby

2:00 Awards Presentation
     Dow Auditorium
     Michael W. Mulholland, MD, PhD
     Young Investigator Award
     Novel regulation of human adipose derived stromal cell osteogenesis through Noggin knockdown and BMP-2 slow releasing scaffold
     -- Benjamin Levi, MD
     James W. Crudup Award
     Cloning and modification of an anti-tyrosinase TCR for use in adoptive cell therapy
     -- Timothy L. Frankel, MD

2:30 Keynote Address
     Dow Auditorium
     Role of the Surgeon-Scientist in Biomedical Research: Past, Present and Future
     -- B. Mark Evers, MD

10:45 Break
     Towsley Lobby