



- Michigan Metabolomics and Obesity Center
- Michigan Nutrition Obesity Research Center
- Michigan Regional Comprehensive Metabolomics Resource Core

# SYMPOSIUM

**Tuesday October 16, 2012 4:00PM-7:00PM • Wednesday October 17, 2012 7:30AM-3:30PM**  
**Forum Hall, Palmer Commons**

## OCTOBER 16, 2012

4:00-4:15 **CHARLES BURANT, MD, PhD,**  
*Professor, Internal Medicine; University of Michigan*  
**"Introductions"**

4:15-5:15 **STANLEY HAZEN, MD, PhD,**  
*Director, Center for Cardiovascular Diagnostics & Prevention; Section Head, Preventive Cardiology & Rehabilitation  
Cleveland Clinic*  
**"The Intestinal Microbiome and Cardiovascular Disease"**

5:15-7:00 **SCIENTIFIC POSTER SESSION/RECEPTION**

## OCTOBER 17, 2012

7:30 **CONTINENTAL BREAKFAST**

8:15-9:15 **HONGZHE LI, PhD**  
*Professor, Biostatistics and Statistics  
University of Pennsylvania Perelman School of Medicine*  
**"Statistical Issues and Methods for Analysis of Human  
Microbiome Data"**

9:15-10:00 **DANIEL TEITELBAUM, MD**  
*Professor, Pediatric Surgery  
C.S. Mott Children's Hospital and University of Michigan Health  
System*  
**"Parenteral Nutrition and the Intestinal Microbiome –  
We're starving more than just our patients"**

10:00-10:15 **BREAK**

10:15-11:00 **CHUANWU XI, PhD**  
*Associate Professor, Environmental Health and Sciences University  
of Michigan*  
**"Effect of Water and Toxicants on Gut Microbiota"**

11:00-12:00 **JENNY TING, PhD**

*William Rand Kenan Professor of Microbiology and Immunology  
University of North Carolina, Chapel Hill*  
**"NLRs in Metabolic Diseases, Inflammation and Cancer"**

12:00-1:30 **SCIENTIFIC POSTER SESSION/LUNCH**

1:30-2:30 **SHANKAR SUBRAMANIAM, PhD**  
*Joan and Irwin Jacobs Endowed Chair of Bioengineering and  
Systems Biology  
Chair, Department of Bioengineering  
Professor, Bioengineering, Chemistry and Biochemistry, Cellular  
and Molecular Medicine and Nano Engineering  
University of California, San Diego*  
**"System Pharmacology and Insulin Resistance"**

2:30-3:30 **ARVAND HASCHEMI, PhD**  
*Junior Group Leader, Laboratory Medicine  
Medical University of Vienna, Austria*  
**"Metabolic-Rewiring Defines Polarization Fate of  
Macrophages"**

*For complete information and registration please visit our web site at:*

**[mmoc.med.umich.edu](http://mmoc.med.umich.edu)**

*or contact Grace L. Wu at (734) 647-2271 / [glwu@umich.edu](mailto:glwu@umich.edu)*

**PLEASE REGISTER BY OCTOBER 1, 2012**

### TARGET AUDIENCE

- Physicians, nurses, and allied health professionals with an interest in obesity, diabetes, and metabolism
- Researchers interested in basic and translational research in metabolic diseases
- Graduate and undergraduate students in health related fields of study

### OBJECTIVES

Symposium participants will enhance their performance, understand and be able to implement in their practice through better understanding of:

- The latest basic and clinical supported sciences in treating obesity and metabolic diseases
- The role of metabolomics in the pathophysiology of disease
- Analyze practice experience and improve practice
- Technology in the preclinical assessment of obesity and nutrition-related diseases

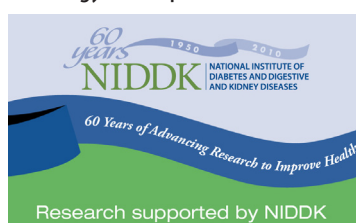
### CME CREDITS

The University of Michigan Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The

University of Michigan Medical School designates this live activity for a maximum of 6.5 AMA

PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent

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