

The UAB Comprehensive Cancer Center and UAB School of Medicine
present:

SCIENTIFIC SYMPOSIUM

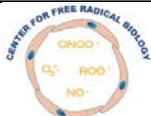
METABOLOMICS, THE UNDERLYING BASIS OF DISEASE

Additional Sponsorship from the UAB-UCSD O'Brien Center for Acute Kidney Injury, the UAB Center for Free Radical Biology, the UAB Nutrition and Obesity Research Center and the UAB Diabetes Research and Training Center

Wednesday, December 12, 2012 • UAB Alumni Society House

Open to faculty, postdoctoral fellows, students and staff

7:30-8:00	Registration/Breakfast	10:50-11:20	Applying Metabolytics™ to Advance Research Elizabeth Kensicki <i>Metabolon</i>
8:00-8:05	Symposium Introduction Krista Casazza, PhD, RD <i>Assistant Professor of Nutrition Sciences, UAB</i>	11:25-11:55	Metabonomics - NMR in the clinical environment Manfred Spraul, PhD <i>Bruker Daltonics</i>
8:05-8:15	UAB and Metabolomics Robert Kimberly, MD <i>Associate Dean for Research, UAB</i>	Noon	Lunch and focused expert sessions
8:15-8:35	NIH Common Fund Program in Metabolomics Stephen Barnes, PhD <i>Professor of Pharmacology & Toxicology, UAB</i>	12:35-12:50	SWATH-MS in metabolomics Brigitte Simons, PhD <i>AB-Sciex</i>
8:45-9:25	Metabolomics-targeted and translational Christopher B. Newgard, PhD <i>Director, Sarah W. Stedman Nutrition and Metabolism Center, Duke University</i>	1:00-1:30	Using Metabolomics to Discover Novel Biomarkers for Common Diseases David Wishart <i>Professor of Computing Science, University of Alberta</i>
9:25-9:35	Questions	1:40-1:55	Oxidized lipids in chronic inflammatory disease Janusz Kabarowski, PhD <i>Associate Professor of Microbiology, UAB</i>
9:35-10:00	Experimental design in metabolomics Grier Page, PhD <i>Senior Statistical Geneticist at RTI International</i>	2:00-2:15	NAD metabolism and cell senescence: Role for the NAD glycohydrolase CD38 Frances Lund, PhD <i>Professor of Microbiology, UAB</i>
10:05-10:20	Coffee Break	2:20-2:35	Metabolism in the Krebs cycle in breast cancer cells Keshav Singh, PhD <i>Professor of Genetics, UAB</i>
10:20-10:45	Andrew Patterson, PhD <i>Assistant Professor of Molecular Toxicology, University of Pennsylvania</i>	2:40-2:55	Oxidative stress, citric acid cycle and cancer Sunil Sudarshan, <i>Associate Professor of Urology, UAB</i>



Guided tours of the facilities for metabolomics (in CHEM 153 and MCLM 459) will begin at 3:30 pm