

LIPID MAPS Annual Meeting 2012

Lipidomics Impact on Cell Biology, Metabolomics and Translational Medicine

May 7-8, 2012 // La Jolla, CA

Early Registration Ends March 9, 2012

KEYNOTE TALK:

Scap and NPC1: Membrane proteins that bind cholesterol

Michael S. Brown—UT Southwestern Medical School

Metabolic Disease

Control of adipogenesis: Toward a new generation of therapeutics

Bruce M. Spiegelman—Harvard Medical School

Cellular mechanisms of insulin resistance: Implications for obesity, lipodystrophy, Type 2 Diabetes and the metabolic syndrome

Gerald I. Shulman—Yale University

Inflammation and ER stress in obesity and diabetes

Gökhan S. Hotamisligil—Harvard School of Public Health

Metabolism and Disease – dedicated to Christian R.H. Raetz

A novel phosphatase associated with cardiolipin biosynthesis

Jack E. Dixon—Howard Hughes Medical Institute

Discovery of new relationships between sphingolipid metabolism and cancer using transcriptomic and lipidomic tools

Alfred H. Merrill, Jr.—Georgia Institute of Technology

Phosphatidic acid in the mechanisms of infectious disease

H. Alex Brown—Vanderbilt University

Metabolomics

Mapping biochemical and chemical signatures of hormone receptor status in breast cancer

Oliver Fiehn—University of California, Davis

Using lipid profiling to determine the role of lipids in plant stress responses

Ruth Welti—Kansas State University

Metabolic profiling for understanding of obesity and diabetes mechanisms

Christopher Newgard—Duke University

Genetic determinants of serum sterol levels

David Russell—UT Southwestern Medical School

Immunity and Inflammation

A systems approach to dissecting immunity

Alan Aderem—Seattle Biomedical Research Institute

Chemistry of large numbers

Richard Lerner—The Scripps Research Institute

Allosteric regulation of cyclooxygenases by NSAIDs and fatty acids

William L. Smith—University of Michigan

Lipidomic insight about eicosanoid biology

Edward A. Dennis—University of California, San Diego

Macrophage Biology

Roles for phosphatidylserines in regulation of inflammation and immunity

Peter M. Henson—National Jewish Medical and Research Center

The macrophage through the “omics” glass

Shankar Subramaniam—University of California, San Diego

Metabolism of cholesteryl esters by the macrophage and atherosclerosis

Robert C. Murphy—University of Colorado Boulder

Genomics and lipidomics of macrophage activation

Christopher K. Glass—University of California, San Diego

Plus:

Poster sessions and several short talks selected from poster abstract submissions

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