

LIPID MAPS Annual Meeting 2014

Lipidomics Impact on Cell Biology, Inflammation and Metabolic Diseases

May 13-14, 2014 // La Jolla, CA

Register online at www.lipidmaps.org
Early Registration Ends March 16, 2014

Lipid Role in Cancer Progression

Use of lipidomics in characterizing colorectal cancer

Michael J.O. Wakelam - Babraham Institute

Sphingosine-1-phosphate: key role in inflammation and cancer

Sarah Spiegel - Virginia Commonwealth University

A new mouse model for NASH and its progression to hepatocellular carcinoma: explosive effect of ER stress and hypernutrition

Michael Karin - University of California, San Diego

Lipidomics and Metabolic Disease

Acyl-CoA partitioning

Rosalind A. Coleman - University of North Carolina

iPLA₂b in metabolism

Suzanne E. Barbour - Virginia Commonwealth University

Control of lipolysis by perilipin and its binding partners

Dawn L. Brasaemle - Rutgers University

Membrane Lipid Interactions with Proteins

Sec14L3, a novel protein recognizing liposome curvature and packing defects

Takao Shimizu - University of Tokyo

Crystallographic and computational analysis of lipidic regulatory sites in cytochrome c oxidase
Shelagh Ferguson-Miller - Michigan State University

How binding of cholesterol to the APP promotes amyloidogenesis and Alzheimer's disease

Charles Sanders - Vanderbilt University

Eicosanoids and the Inflammatory Response

Recent advances in the biology of oxo-eicosatetraenoic acids

Ian A. Blair - University of Pennsylvania

A new regulator of prostaglandin biosynthesis

Alan Saghatelian - Harvard University

Lipidomics of Microorganisms and the Biodome

"GoogleMAP"-type molecular view of microbes - from culture to people

Pieter C. Dorrestein - University of California, San Diego

Stress response signaling in yeast; genomic and lipidomic insights from the cellular response to inositol

Susan A. Henry - Cornell University

Deep profiling using enhanced analytical workflows reveals new sphingoid base-phosphate species

Markus R. Wenk - National University of Singapore

Non-Alcoholic Fatty Liver Disease

Key clinical issues in the assessment of NAFLD
Rohit Loomba - University of California, San Diego

Oxidized neutral lipids and fatty liver disease

Robert C. Murphy - University of Colorado Denver

Sphingolipid "omics": Use of transcriptomic and lipidomic data to uncover links between sphingolipids and disease

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

Macrophage Biology and Cardiovascular Disease

Genomics and lipidomics of macrophage activation
Christopher K. Glass - University of California, San Diego

Oxidized LDL lipidomics and atherogenicity
Joseph L. Witztum - University of California, San Diego

Panel Discussion

International view of the Decade of LIPID MAPS and Lipidomics

Takao Shimizu - University of Tokyo

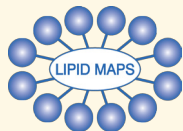
Friedrich Spener - University of Graz

Michael J.O. Wakelam - Babraham Institute

Markus R. Wenk - National University of Singapore

plus: poster sessions and twelve lightning talks selected from poster abstract submissions

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