

Lipidomics Impact on Cell Biology, Atherosclerosis and Inflammatory Disease

May 3-4, 2010

La Jolla, CA

LIPID MAPS Annual Meeting 2010

Membrane Protein Interactions

Lipid-protein interactions as a determinant of membrane protein structure and function

William Dowhan (Univ. of Texas-Houston Medical School)

Elucidation of prenol lipid pathways by combining genetics and mass spectrometry

Christian R.H. Raetz (Duke University)

Nuclear sphingolipids and nuclear receptors for sphingolipids

Alfred H. Merrill, Jr. (Georgia Institute of Technology)

Mass spectrometry based analysis of lipid signaling pathways

H. Alex Brown (Vanderbilt University)

Cell and Tissue Imaging

Advances in cellular imaging

Roger Y. Tsien (University of California, San Diego)

Imaging of lipids by MALDI mass spectrometry

Robert C. Murphy (University of Colorado Denver)

Lipid Mediators and Inflammatory Disease

COX-2, colitis and cancer

Harvey Herschman (David Geffen School of Medicine, UCLA)

Inflammation and the host response to injury

Ronald G. Tompkins (Massachusetts General Hospital)

Role of eicosanoids in inflammatory diseases

Edward A. Dennis (University of California, San Diego)

Lipids in Cell Biology

Role of lipids in hedgehog signaling

Philip A. Beachy (Stanford University School of Medicine)

Novel lipidomics

Catherine E. Costello (Boston University School of Medicine)

Cholesterol and Atherosclerosis

Control of cholesterol homeostasis by LXRs

Peter Tontonoz (Howard Hughes Medical Institute, UCLA)

Innate protein recognition of oxidation-specific epitopes: potential importance in health and disease

Joseph L. Witztum (University of California, San Diego)

Sterol analysis in mammalian cells and tissues

David W. Russell (UT Southwestern Medical Center)

Macrophage Biology

Foam cells and immunology of obesity

Steven E. Shoelson (Harvard Medical School)

Adaptive suppression of the unfolded protein response by toll-like receptor signaling

Ira Tabas (Columbia University)

Oxysterol-dependent regulation of macrophage gene expression

Christopher K. Glass (University of California, San Diego)

Metabolomics, Clinical Networks and Informatics

Metabolomics network for drug response phenotype

Rima Kaddurah-Daouk (Duke University)

NCBI, PubChem and integration with LIPID MAPS

Stephen H. Bryant (National Center for Biotechnology Information, NIH)

Bioinformatics for mammalian lipidomics

Eoin Fahy (University of California, San Diego)

Plus: Poster Sessions and Several Short Talks

To be selected from poster abstract submissions



LIPID MAPS and Annual Meeting sponsor:



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Meeting details and registration: www.LIPIDMAPS.org

