

LIPID MAPS Annual Meeting 2016

LIPIDOMICS IMPACT ON METABOLIC, CANCER, CARDIOVASCULAR AND INFLAMMATORY DISEASES

May 17-18, 2016 // La Jolla, CA

Register online at www.lipidmaps.org

Early Registration Ends March 25, 2016

From Cancer Stem Cells to Fatty Liver Disease

Chair and Opening Remarks: David Brenner, Vice-Chancellor and Dean, School of Medicine, UC San Diego

Cancer stem cells, Inder Verma (Salk Institute)

Role of neutral sphingomyelinases in the DNA damage response, Yusuf Hannun (State University of New York, Stony Brook)

Genetic determinants of fatty liver disease, Jerold Chun (The Scripps Research Institute)

Natural variation of blood plasma lipids in healthy Asian individuals, Markus Wenk (National University of Singapore)

Metabolomics

Chair: Shankar Subramaniam, UC San Diego

High throughput metabolomics of clinical cohorts, Mohit Jain (UC San Diego)

Metabolomic approaches to the discovery of new anti-inflammatory agents from the sea, William Gerwick (SIO/UC San Diego)

Lipidomics of cancer cells and tissues, Michael Wakelam (Babraham Institute and University of Cambridge, UK)

Metabolic Diseases

Chair: Suzanne Barbour, University of Georgia

Anti-diabetic and anti-inflammatory effects of a novel class of lipids, Barbara Kahn (Harvard University)

A novel link between phospholipid metabolism and energy homeostasis, Takao Shimizu (University of Tokyo, Japan)

Lipid-protein interactions as determinants of membrane organization: Implications for protein misfolding diseases, William Dowhan (University of Texas)

Eicosadomics and Inflammation

Chair and Opening Remarks: Bengt Samuelsson, Karolinska Institute, Sweden

Recent advances in leukotriene research - molecular and cellular aspects, Jesper Haeggstrom (Karolinska Institute, Sweden)

New mediators and pathways in tissue regeneration and clearance of infections, Charles Serhan (Harvard Medical School)

Mapping the lipidomes of innate immune cells, Valerie O'Donnell (Cardiff University, UK)

12(S)-HETE receptor: Structure, function & role in cancer progression, Kenneth Honn (Wayne State University)

Cholesterolomics, Oxidized Lipids and Cardiovascular Disease

Chair: Alfred Merrill, Georgia Institute of Technology

Plasma HDL particle heterogeneity and function: Insight from the lipidome, John Chapman (Jean and Marie Curie University, Paris)

Role of oxidized phospholipids in inflammation, Joseph Witztum (UC San Diego)

Unravelling new pathways of cholesterol metabolism in cells and tissues, William Griffiths (Swansea University, UK)

Lipid Mediators and Cancer

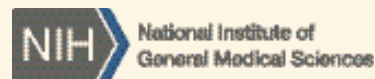
Chair: Sarah Spiegel, Virginia Commonwealth University

Lipid chaperones modulate Sphingosine 1-phosphate signaling in vascular and immune systems, Tim Hla (Weill Cornell Medical College)

Bioactive sphingolipids in inflammation and cancer, Lina Obeid (State University of New York, Stony Brook)

LPA regulation of the tumor microenvironment, Gabor Tigyi (University of Tennessee)

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



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