

2nd International Conference and Expo on

LIPIDS: METABOLISM NUTRITION & HEALTH

October 03-05, 2016 Orlando, USA



Hosting Organizations

Conference Series LLC

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Opening Ceremony

Keynote Forum

Introduction

10:15-10:55 **Title: What does dietary fat really mean for human health?**
T Colin Campbell, Cornell University, USA

Group photo

Network and Refreshments Break 10:55-11:15

11:15-11:55 **Title: The role of lipid metabolism in drug-resistance leukemia cells**
Carl Freter, Saint Louis University, USA

Track 1: Lipid and Lipoprotein Metabolism

Track 2: Lipids in Atherosclerosis

Track 3: Lipidomics - What's next?

Session Chair: Carl Freter, Saint Louis University, USA

Session Co-Chair: Mesut Bilgin, Danish Cancer Society Research Center (DCRC), Denmark

Session Introduction

11:55-12:25 **Title: Targeting cholesterol synthesis increases chemoimmuno-sensitivity in chronic lymphocytic leukemia cells**
Chunfa Huang, Saint Louis University, USA

12:25-12:55 **Title: Anti-aging genes regulate postprandial lipid metabolism with relevance to appetite, chronic disease and neurodegeneration**
Ian James Martins, Edith Cowan University, Australia

Lunch Break 12:55-13:55

13:55-14:25 **Title: Quantitative shotgun lipidomics: Tracks, tricks and challenges**
Mesut Bilgin, Danish Cancer Society Research Center (DCRC), Denmark

14:25-14:55 **Title: The role of membrane phospholipids in development of male-specific cardiac hypertrophy and hypertension**
Marica Bakovic, University of Guelph, Canada

14:55-15:25 **Title: Significance of lipid peroxidation-cationic protein interactions in atherosclerosis in attenuation of inflammatory response**
Sampath Parthasarathy, University of Central Florida, USA

15:25-15:55 **Title: Calmodulin dependent protein kinase (CaMK)II activation by exercise regulates lipid metabolism in rat skeletal muscle**
Sandile Fuku, North-West University, South Africa

Network and Refreshments Break 15:55-16:15

Workshop on "Lipid loading and unloading by cells"

16:15-16:45 **Title: Lipid efflux from liver**
Shadab A Siddiqi, University of Central Florida, USA

16:45-17:15 **Title: The role of visceral fat on insulin sensitivity and glucose metabolism in long-living mice**
Michal Masternak, University of Central Florida, USA

17:15-17:45 **Title: Novel ways of lipid loading cells to study macrophage functions**
Sampath Parthasarathy, University of Central Florida, USA

Panel Discussions

Keynote Forum

- 10:00-10:30 **Title: Brown fat and metabolic syndrome**
M Raj Lakshman, George Washington University, USA
- 10:30-11:00 **Title: Statins in the treatment and prevention of cardiovascular diseases: Current and emerging clinical and public health challenges**
Charles H Hennekens, Charles E Schmidt College of Medicine, USA

Network and Refreshments Break 11:00-11:20

Track 4: Fats - Cardio Metabolic Risks

Track 5: Lipid and Lipoprotein Metabolism

Session Introduction

- 11:20-11:45 **Title: Synergy between ASH and NASH**
M Raj Lakshman, George Washington University, USA
- 11:45-12:10 **Title: Implementation of Lipid Association of India (LAI) expert consensus statement on management of dyslipidaemia will be an investment for prevention of CVD in India**
Raman Puri, Lipid Association of India, India

Special Session on "Phospholipid and sphingolipid signaling: Challenges for the development of novel medicinal agents"

Session Chair: George Kokotos, University of Athens, Greece

Session Co-Chair: Sasanka Ramanadham, University of Alabama at Birmingham, USA

Session Introduction

- 12:10-12:40 **Title: Phospholipase A₂ substrate and inhibitor specificity revealed at the molecular level**
Edward A. Dennis, University of California at San Diego, USA
- 12:40-13:05 **Title: Targeting the Phospholipase A₂ – Autotaxin Axis: A challenge to develop novel agents for the treatment of inflammatory and autoimmune diseases**
George Kokotos, University of Athens, Greece

Lunch Break 13:05-14:00

- 14:00-14:25 **Title: Cytosolic Phospholipase A₂, a powerful regulator of inflammation and a potent candidate for therapeutic intervention in chronic disease**
Berit Johansen, Norwegian University of Science and Technology, Norway
- 14:25-14:50 **Title: Importance of Ca²⁺ - Independent phospholipase A₂b - Derived lipids to Type 1 diabetes development**
Sasanka Ramanadham, University of Alabama at Birmingham, USA
- 14:50-15:15 **Title: Sphingosine-1-Phosphate signaling regulates key metabolic outcomes of obesity**
L. Ashley Cowart, Medical University of South Carolina, USA
- 15:15-15:40 **Title: Cytosolic phospholipase A₂α: A tale of two functions**
Charles E. Chalfant, Virginia Commonwealth University, USA

Network and Refreshments Break 15:40-16:00

- 16:00-16:25 **Title: Synthetic methods to 2-hydroxy fatty acids and lipolytic enzyme inhibitors**
Christoforos G. Kokotos, University of Athens, Greece
- 16:25-16:50 **Title: Novel roles of iPLA₂α in hepatic lipid metabolism**
Suzanne E. Barbour, University of Georgia Graduate School, USA

Poster Presentations: 17:00-18:00

Panel Discussions

Track 6: Plant, Microbial lipids and Essential Oils

Track 7: Lipid and Lipoprotein Metabolism

Session Chair: H L Nadaf, University of Agricultural Sciences, India

Session Introduction

- 09:45-10:10 **Title: Novel mutations in FAD2B gene identified from new high oleic mutants in groundnut (*Arachis hypogaea* L.)**
H L Nadaf, University of Agricultural Sciences, India
- 10:10-10:35 **Title: Influence of calmodulin dependent protein kinase (CaMK)II on lipid droplets in rat skeletal muscle and its relevance to mitochondria function**
Ademola Ayeleso, North-West University, South Africa

Network and Refreshments Break 10:35-10:55

Young Researchers Forum

- 10:55-11:20 **Title: Ketoacylsynthase domains of a PUFA synthase in *Thraustochytrium* can function as standalone enzymes in *Escherichia coli***
Xi Xie, University of Saskatchewan, Canada
- 11:20-11:45 **Title: Impact of calcium-independent phospholipase A₂ Beta (iPLA₂β) on differentiation and activity of calvarial bone-derived osteoblasts**
William Hancock, University of Alabama at Birmingham, USA
- 11:45-12:10 **Title: Effects of *Prunus armeniaca* fruit on oxidative stress in fructose induced hyperuricemic rats**
Cherryhan Salvedia Ebrahim Ahmed, Misr International University, Egypt

Panel Discussions

Lunch Break 12:30-13:30



Bookmark your dates

3rd International Conference and Expo on

Lipids: Metabolism, Nutrition & Health

December 11-13, 2017 Rome, Italy

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