

Kern Lipid Conference
2013 Program Agenda
Molecular Mechanisms and Pathophysiology of Lipid Storage
July 29-August 1, 2013, Vail, CO

All scientific sessions will be held in the Vail Cascade Conference Center, 2nd Floor, Centennial Ballroom ABCD

Conference Co-Chairs:
Dawn L. Brasaemle, PhD, and Russell A. DeBose-Boyd, PhD

Monday, July 29, 2013, 1:30 pm – 7:30 pm

- 12:45-1:30 PM **Conference Check-In**
Conference Center, 2nd Floor, Centennial Foyer
- Session I: Lipid Modification of Protein Function**
Session Chairs: Russell A. DeBose-Boyd, PhD and Harry Davis, PhD
- 1:30 PM **Introduction and Comments**
Moshe Levi, MD, President, Kern Lipid Conference
University of Colorado Denver, Anschutz Medical Campus, Aurora, Colorado
- 1:40 PM **“Controlling cholesterol synthesis beyond HMG-CoA reductase”**
Andrew Brown, PhD, University of New South Wales, Australia
- 2:30 PM **“Cellular responses to excessive fatty acids”**
Jin Ye, PhD, UT Southwestern Medical Center, Dallas, Texas
- 3:20 PM **“How does protein misfolding in the ER affect lipid metabolism in the liver?”**
Randy Kaufman, PhD, Sanford/Burnham Medical Institute, La Jolla, California
- 4:10 PM **Break**
Conference Center, 2nd Floor, Centennial Foyer
- 4:30 PM **“Using small molecules to interrogate cholesterol trafficking pathways in mouse models of disease”**
Joyce Repa, PhD, UT Southwestern Medical Center, Dallas, Texas
- 5:15PM **Introduction and Presentation of the Kern Lectureship Award**
Robert Eckel, MD, University of Colorado Denver Anschutz Medical Campus, Aurora, CO
- 5:20 PM **Roger Davis Lecture: “p62-enriched Inclusion Bodies in Macrophages Play a Protective Role in Atherosclerosis”**
Babak Razani, MD, PhD, Washington University School of Medicine, Saint Louis, Missouri
- 6:00 PM **Poster Session & Reception**
Rocky Mountain Garden, north tent
- 7:30 PM **Session Adjourns**

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Tuesday, July 30, 2013, 7:30 AM - 10:00 PM

Session II: Control of lipid metabolism through regulated gene expression

Session Chairs: John Parks, PhD and Clay Semenkovich, MD

- 7:30 AM **Breakfast Buffet**
Conference Center, 2nd Floor, Centennial Foyer
- 8:30 AM **“Effects of systemic SCAP loss on lipid and glucose metabolism in mouse”**
Kristian Jensen, PhD, Merck
- 9:20 am **“Hypoxic regulation of lipid metabolism”**
Peter Espenshade, PhD, Johns Hopkins University, Baltimore, Maryland
- 10:10 AM **Break**
Conference Center, 2nd Floor, Centennial Foyer
- 10:30 AM **“Regulation of LDLR activity by miRNAs”**
Carlos Fernandez-Hernando, PhD, New York University, Langone, New York, New York
- 11:20 AM **“Regulation of triglyceride metabolism by the transcription factor CREB-H”**
Ann-Hwee Lee, PhD, Harvard School of Public Health, Boston, Massachusetts
- 12:10 PM **Lunch and Industry Round-Table**
Rocky Mountain Garden, north and south tents
- 2:00 PM **Poster Session**
Rocky Mountain Garden, north tent
- 3:30 PM Afternoon Session Adjourns

Session II (Evening):

- 6:00 PM **Introduction and Presentation of the Kern Lectureship Award**
Moshe Levi, MD, University of Colorado Denver Anschutz Medical Campus, Aurora, CO
- Kern Lecture: “Novel mechanisms by which adipose tissue regulates systemic insulin sensitivity and risk for diabetes”**
- Barbara Kahn, MD, Harvard
- 7:15 PM **Reception & Dinner - *Creekside Room & Deck, Vail Cascade Main Lodge***
- 10:00 PM Evening Session Adjourns

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Wednesday, July 31, 2013, 7:30 AM - 6:30 PM

Session III: Lipid droplet formation and dynamics

Session Chairs: Dawn L. Brasaemle, PhD and Ira Goldberg, MD

- 7:30 AM **Breakfast Buffet**
Conference Center, 2nd Floor, Centennial Foyer
- 8:30 AM **“Mechanisms of Lipid Droplet Formation and Expansion”**
Tobias Walther, PhD, Yale University, New Haven, Connecticut
- 9:20 AM **“The ER-lipid droplet connection”**
Joel Goodman, PhD, UT Southwestern Medical Center, Dallas, Texas
- 10:10 AM **Break**
Conference Center, 2nd Floor, Centennial Foyer
- 10:30 AM **“Lipid droplets as protein sequestration sites”**
Michael Welte, PhD, University of Rochester, Rochester, New York
- 11:20 AM **“Perilipin 5, a lipid droplet protein uniquely adapted to mitochondrial energy utilization”**
Carole Sztalryd, PhD, University of Maryland School of Medicine, Baltimore, Maryland
- 12:05PM **Introduction to the David L Williams Lecture**
Mary Sorci-Thomas, PhD, Wake Forest School of Medicine, Winston-Salem, North Carolina
- 12:10 PM **David L Williams Lecture: “Anti-miR-33 therapy: when everything that glitters is not gold”**
Angel Baldan, PhD, Saint Louis University, Saint Louis, Missouri
- 1:00 PM **Lunch & Small Group Discussions**
Rocky Mountain Garden, north and south tents
- 2:00 PM **Poster Session**
Rocky Mountain Garden, north tent

Session IV: Lipid storage and inflammation

Session Chair: Richard Gregg, MD

- 4:00 PM **“Cellular and systemic adaptations of defective lipolysis: lessons from knockout mouse models”**
Dagmar Kratky, PhD, Medical University of Graz, Graz, Austria
- 4:50 PM **“Immune regulation of lipid trafficking and metabolism”**
Anthony Ferrante, MD, PhD, Columbia University, New York City, New York

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5:40 PM **“Circadian Control of Mitochondrial Oxidative Metabolism”**
Joseph Bass, MD, PhD, Northwestern, Chicago, Illinois

6:30PM Session Adjourns

Thursday, August 1, 2013, 7:00 AM - 12:00 PM

Session V: Pathophysiology of lipid storage

Session Chairs: Margrit Schwarz, PhD and Sudha Biddinger, MD, PhD

7:00 AM **Breakfast Buffet**
Conference Center, 2nd Floor, Centennial Foyer

8:00 AM **“Shades of White: mechanisms of depot-specific and cell autonomous differences in adipocyte lipid storage”**
Susan K. Fried, PhD, Boston University, Boston, Massachusetts

8:50 AM **Introduction to the Franz Simon Lecture and presentation of poster award**
Moshe Levi, MD

9:00 AM **Francis R. Simon, MD Lecture: “Molecular mediators of hepatic steatosis”**
Jay Horton, MD, UT Southwestern Medical Center, Dallas, Texas

9:50 AM **Break**
Conference Center, 2nd Floor, Centennial Foyer

10:10 AM **“The heart of lipid storage and use”**
Ira Goldberg, MD, Columbia University, New York City, New York

11:00 AM **“Lipid-induced mitochondrial stress and metabolic dysfunction in muscle”**
Deborah Muoio, PhD, Duke University, Durham, North Carolina

11:50 PM Closing Remarks

12:00 PM Conference Adjourns