

2017 Kern Lipid Conference
“The Gut Microbiome, Bile Acids, and Regulatory Networks in Health and Disease: Emerging Therapeutic Approaches”

Monday, August 7, 2017 to Wednesday, August 9, 2017

Vail, Colorado

Organizers: Jed Friedman, PhD, Margrit Schwarz, PhD, and Michael Trauner, MD

Monday, August 7, 2017

Conference Registration

7:30-8:15am

Conference Check-In and Breakfast
Grand Ballroom Registration Desk

Kern Lecturer

8:30am

40th Anniversary Introduction and History
Introduction and Presentation of the Kern Lectureship Award
Moshe Levi, MD, University of Colorado Denver

2017 Kern Lecture:

8:45am

“Metabolic Cross Talk Between the Gut Microbiota and Its Host: Novel Therapeutic Opportunities”
Gary D. Wu, MD, University of Pennsylvania

Session 1: Connections and Cross-talk with the microbiome

Session Chair: Jed Friedman, PhD

9:50am

“Microbial pathways - the new therapeutic frontier in cardio metabolic diseases”
Stanley L. Hazen, MD, PhD, Cleveland Clinic

Introduction and presentation of the Journal of Lipid Research Junior Investigator Award and Lectureship
Stanley L. Hazen, MD, PhD, Cleveland Clinic

10:40am

“Western diets, gut dysbiosis, and metabolic diseases: Are they linked?”
Vanessa Leone, PhD, The University of Chicago

11:40am

“The intestinal microbiome secretome as a novel therapeutic approach for the treatment of metabolic and inflammatory diseases”
Bernat Raja, PhD, Second Genome, Inc.

12:30pm

Lunch
Mountain View Patio

Session Continued

Session Chair: Michael Trauner, MD

1:30pm	"Bile acid signaling in gut and liver metabolism" John Chiang, PhD, Northeast Ohio Medical University
2:20pm	"Gut reactions: chemical discovery in the human microbiome" Emily Balskus, PhD, Harvard University
3:10pm	"Tissue specific roles of FXR in NASH development" Grace Guo, MBBS, PhD, Rutgers University
4:00pm	"Medicines based on bacterial consortia" Bernat Olle, PhD, Vedanta Biosciences
4:50pm	Afternoon Break
6:15pm	Poster Session and Reception <i>Grand Ballroom, Salons F-J</i>

Tuesday, August 08, 2017

7:15am	Breakfast Buffet <i>Grand Ballroom Foyer</i>
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Session 2: Liver Diseases-GI, NASH, Cholestasis

Session Chair: Michael Trauner, MD (8:00am-11:40am)

8:00am	"How hepatocytes polarize and what happens when they don't" Irwin Arias, MD, National Institutes of Health
8:50am	"Regulation of the Structure of the Gut Microbiome by Bile Acids and Antibacterial Compounds" Phillip Hylemon, PhD, Virginia Commonwealth University
9:40am	"Human Genetic Studies Identify Lipid Biology as Key Regulators of Pathology in NAFLD" Elizabeth Speliotes, MD, PhD, MPH, University of Michigan
10:30am	Break
10:50am	"TGR5 in Liver Disease" Verena Simone Keitel, Universität Düsseldorf
11:40am	"Metabolic effects of intestinal absorption and enterohepatic cycling of bile acids" Paul Dawson, PhD, Emory University School of Medicine

12:30pm	Lunch <i>Mountain View Patio</i>
1:30pm	Industry Round Table <i>Grand Ballroom Salons A-E</i>
2:30pm-5:30pm	Poster Session <i>Grand Ballroom Salons F-J</i>

Wednesday, August 09, 2017

7:30am	Breakfast Buffet <i>Grand Ballroom Foyer</i>
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Session 3: Cardiovascular and Kidney disease

Session Chair: Margrit Schwarz, PhD

8:00am	Franz Simon Poster Award/Introduction – Recipients To be Announced Moshe Levi, MD, President, Kern Lipid Conference University of Colorado
8:05am	Introduction and Presentation of the Roger Davis Lecturer Robert H. Eckel, MD, University of Colorado Denver, Aurora, Colorado Roger Davis Lecture: “TBD” Abigail Sloan Devlin, PhD, Harvard University
8:30am	“Dissecting Diet-Microbe Interactions and their Impact to Cardiometabolic Disease” Federico E. Rey, PhD, University of Wisconsin-Madison
9:20am	“Novel Mediators of Diabetes Associated Atherosclerosis” Sudha Biddinger, MD, PhD, Boston Children’s Hospital
10:10am	“Lipoprotein transport of microbiome and environment-derived bacterial small RNAs” Kasey Vickers, PhD, Vanderbilt University
11:00am	“Extracellular Vesicles, lipid mediators, and inflammation in NAFLD” Harmeet Malhi, M.B.B.S., Mayo Clinic
12:10	Introduction to David L. Williams Lecture and Award Mary Sorci-Thomas, PhD, Medical College of Wisconsin David L. Williams Lecture: “TBD” Elizabeth Tarling, PhD, UCLA
12:45pm	Lunch <i>Mountain View Patio</i>

Session 4: CNS and Gut Cross-Talk

Session Chair: Jed Friedman, PhD

2:00pm	"Bile acids role in gastric bypass resolution of diabetes and metabolic complications" Darleen Sandoval, PhD, University of Michigan
2:50pm	"Precision Microbe Reconstitution Reverses Maternal Diet-Induced Social and Synaptic Deficits in Offspring" Mauro Costa-Mattioli, PhD, Baylor College
3:30pm	Afternoon Break
6:30pm	Dinner Reception <i>Grand Ballroom</i>
9:30pm	Adjourn