

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 <i>Grand Ballroom Registration Desk</i>
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Kern Lecturer

8:30am	40th Anniversary Introduction and History Introduction and Presentation of the Kern Lectureship Award Moshe Levi, MD, University of Colorado Denver, Aurora, Colorado
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8:45am	Kern Lecture: “Metabolic Cross Talk Between the Gut Microbiota and Its Host: Novel Therapeutic Opportunities” Gary D. Wu, MD, University of Pennsylvania
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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
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10:40am	“Western diets, gut dysbiosis, and metabolic diseases: Are they linked?” Vanessa Leone, PhD, The University of Chicago
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11:30am	“The intestinal microbiome secretome as a novel therapeutic approach for the treatment of metabolic and inflammatory diseases” Bernat Raja, PhD, Second Genome, Inc.
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12:20pm	Lunch <i>Mountain View Patio</i>
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Session 2

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" Philip 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 Grand Ballroom Foyer
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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, Aurora, 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
8:30am	“Dissecting Diet-Microbe Interactions and their Impact to Cardiometabolic Disease” Federico E. Rey, Ph.D, 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 “TBN” Lecture:
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