

# The NIH Center for Molecular Studies in Digestive and Liver Diseases 20<sup>th</sup> Annual Retreat

## “Metabolic Control of GI Biology”

Virtually Hosted on  
Friday, November 20, 2020

8:00 AM – 2:30 PM

<https://bluejeans.com/543992979>

8:00 am	<b>SESSION 1: DIET, INTESTINAL MICROBIOTA, AND METABOLISM</b> Moderated by Gary D. Wu, MD
8:00 am – 8:05 am	Opening Remarks
8:05 am – 8:25 am	The microbiome and host metabolic function <i>Christoph A. Thaiss, PhD, Assistant Professor of Microbiology, Penn Institute for Immunology, University of Pennsylvania</i>
8:25 am – 8:45 am	Metals, metabolites, and the microbiota: the role of nutrients in <i>Clostridioides difficile</i> infection <i>Joseph P. Zackular, PhD, Assistant Professor of Pathology and Laboratory Medicine, Assistant Professor of Microbiology, University of Pennsylvania</i>
8:45 am – 9:05 am	Metabolite control of intestinal epithelial cell function <i>Maayan Levy, PhD, Assistant Professor of Microbiology, University of Pennsylvania</i>
9:05 am	<b>SESSION 2: THE LIVER AND METABOLISM (PART 1)</b> Moderated by Kirk J. Wangensteen, MD, PhD
9:05 am – 9:25 am	Perilipin lipid droplet proteins and fatty liver <i>Rotonya M. Carr, MD, Assistant Professor of Medicine, Division of Gastroenterology, University of Pennsylvania</i>
9:25 am – 9:45 am	Regulation of Liver Lipid Metabolism by mTORC1 <i>Paul M. Titchenell, PhD, Assistant Professor of Physiology, Institute for Diabetes, Obesity, and Metabolism, University of Pennsylvania</i>
9:45 am – 10:00 am	<b>BREAK</b>
10:00 am – 10:30 am	NASH/Microbiome connection <i>Taylor Cohen, PhD, Division of Infectious Disease, AstraZeneca</i>
10:30 am	<b>SESSION 3: THE INTESTINAL EPITHELIUM AND METABOLISM</b> Moderated by Jonathan P. Katz, MD
10:30 am – 10:50 am	RNA metabolism and regeneration of the intestinal epithelium <i>Kathryn E. Hamilton, PhD, Assistant Professor for Pediatrics, Division of Gastroenterology, Liver and Nutrition, Children’s Hospital of Philadelphia</i>

- 10:50 am – 11:10 am Intestinal NAD metabolism  
*Joseph A. Baur, PhD, Associate Professor of Physiology, University of Pennsylvania*
- 11:10 am – 11:30 am Control of intestinal renewal by region-specific metabolism  
*Patrick Seale, PhD, Associate Professor of Cell and Developmental Biology, Institute for Diabetes, Obesity and Metabolism, University of Pennsylvania*
- 11:30 am **SESSION 4: TRAINEE POSTER SHORTS (10 TALKS, 1 MINUTE EACH)**  
**Moderated by Rebecca G. Wells, MD**
- 11:50 am – 1:00 pm **LUNCH**
- 12:15 pm – 12:50 pm **POSTER SESSION**  
**Break Out Room 1:** <https://bluejeans.com/262357557>  
**Break Out Room 2:** <https://bluejeans.com/714992325>  
**Break Out Room 3:** <https://bluejeans.com/490123374>
- 1:00pm **SESSION 5: CORE FACILITES FOR STUDY OF METABOLISM**  
**Moderated by Kathryn E. Hamilton, PhD**
- 1:00 pm – 1:10 pm Penn Metabolomics Core  
*Chris Petucci PhD, Director, Metabolomics Core, Penn Cardiovascular Institute, University of Pennsylvania*
- 1:10 pm – 1:20 pm Rodent Metabolic Phenotyping Core  
*Jennifer Rojas, PhD, Technical Director, Rodent Metabolic Phenotyping Core, Institute for Diabetes, Obesity and Metabolism, University of Pennsylvania*
- 1:20 pm – 1:30 pm PenNSAM Nutrition Analytic Core  
*Gary D. Wu, MD, Ferdinand G. Weisbrod Professor in Gastroenterology, Co-Director, Center for Molecular Studies in Digestive and Liver Diseases, Division of Gastroenterology, University of Pennsylvania*
- 1:30 pm **SESSION 6: THE LIVER AND METABOLISM (PART 2)**  
**Moderated by Klaus Kaestner, PhD**  
**Poster session winners will be announced**
- 1:30 pm – 1:50 pm Circadian rhythm, diet, and the transcriptional regulation of liver metabolism  
*Mitchell A. Lazar, MD, PhD, Willard and Rhoda Ware Professor in Diabetes and Metabolic Diseases, Director, Institute for Obesity, Diabetes & Metabolism, University of Pennsylvania*
- 1:50 pm – 2:20 pm Regulation of the inflammatory responses in alcoholic hepatitis  
*Gyongyi Szabo, MD, PhD, Chief Academic Officer, Professor of Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School*