

Center for the Study of Inflammatory Bowel Disease

Massachusetts General Hospital

27th Annual Symposium

Thursday – November 2, 2017

7:30 a.m. - 5:15 p.m.

- 7:30 - 8:00 Registration and Breakfast
- 8:00 – 8:10 Opening Remarks – Ramnik J. Xavier, M.D. - Director, CSIBD
- 8:10 - 8:30 **Reverse Metabolomics and Genetic Tools for Studying Metabolism**
Russell Goodman M.D., Ph.D., Gastrointestinal Unit
Massachusetts General Hospital
- 8:35 - 8:55 **Early Transcriptional Divergence Marks Virus-Specific Primary Human CD8(+) T Cells in Chronic versus Acute Infection**
Georg Lauer, M.D., Ph.D., Gastrointestinal Unit
Massachusetts General Hospital
- 9:00 - 9:20 **Long Noncoding RNAs in Fibrosis**
Alan Mullen, M.D., Ph.D., Gastrointestinal Unit
Massachusetts General Hospital
- 9:25 – 9:40 Break
- 9:45 – 10:05 **Defining Neuronal Subclasses in the Enteric Nervous System Using Single-Cell Transcriptomics**
Aylwin Ng Ph.D., Gastrointestinal Unit
Massachusetts General Hospital
- 10:10 – 10:30 **Targeting CTLA-4 with High-Affinity Single Domain Antibodies**
Michael Dougan, M.D., Ph.D., Gastrointestinal Unit
Massachusetts General Hospital
- 10:35 – 10:55 **Broad Microbiome Library**
Mathilde Poyet, Ph.D., Postdoctoral Associate, Eric Alm's laboratory
MIT
- 11:00 – 12:00 **KEYNOTE ADDRESS**
Strain-Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation
Eric Alm, Ph.D., Director
Center for Microbiome Informatics and Therapeutics MIT
- 12:00 – 2:00 LUNCH BREAK
- 2:00 – 5:15** **CMIT Research Forum**
Chair: *Hera Vlamakis, Ph.D.*, Group Leader / Research Scientist
The Broad Institute
- 2:00 – 2:20 **Strains, Functions, and Dynamics in the Expanded Human Microbiome Project**
Eric Franzosa, Ph.D., Research Scientist, Curtis Huttenhower's laboratory
Harvard T.H. Chan School of Public Health

- 2:25 – 2:45 **Fecal Microbiota Transplantation for the Treatment of Primary Sclerosis Cholangitis**
Jessica Allegretti, M.D., M.P.H., Gastroenterology and Hepatology Division
Brigham and Women's Hospital
- 2:50 – 3:10 **Unsupervised Novel Lineage Classification using Bayesian Nonparametrics**
Ashwin Narayan, Graduate Student, Bonnie Berger's laboratory
MIT
- 3:15 – 3:35 **The Global Microbiome Conservancy: Advancing Human Health Through the Exploration of our Global Microbial Heritage**
Mathieu Groussin, Ph.D., Postdoctoral Associate, Eric Alm's laboratory
MIT
- 3:40 – 3:55 Break
- 4:00 – 4:20 **Individual-Specific Eco-Evolutionary Dynamics in the Human Gut**
Sean Gibbons, MSc., Ph.D., Postdoctoral Associate, Eric Alm's laboratory
MIT
- 4:25 – 4:45 **Dynamics of Metatranscription in the Inflammatory Bowel Disease Gut Microbiome**
Melanie Schirmer, Ph.D., Postdoctoral Associate, Xavier and Huttenhower laboratories
The Broad Institute of MIT and Harvard
- 4:50 – 5:15 **Adaptation of Commensal Bacteria within Individual Healthy People**
Tami Lieberman, Ph.D., Postdoctoral Associate, Eric Alm's laboratory
MIT

**Simches Research Building at Charles River Plaza
185 Cambridge Street, 3rd floor**

The Symposium is open to the research community at no charge.
To register, please e-mail lblizard@partners.org