

34th CSIBD Workshop
5th Broad Immunology Symposium
Thursday, November 7th, 2024
"From cellular crosstalk to organ function"

8:30-9:20am	Breakfast
9:20-9:30am	Opening Remarks
9:30-10:30	Keynote <i>Dedicated antigen presenting cells in intestinal T cell homeostasis</i> Dan Littman, MD, PhD NYU Grossman School of Medicine
10:30-10:50	Break
Session 1: Stem cells in tissues Chair: Bana Jabri, MD, PhD and Jacques Deguine, PhD	
10:50-11:20	<i>Ancestry and function in the hematopoietic system</i> Fernando Camargo, PhD Boston Children's Hospital
11:20-11:50	<i>Microbe-stem cell crosstalk in repair and regeneration</i> Shruti Naik, PhD Mount Sinai Hospital
11:50-12:20	<i>The role of myeloid cells and isthmus stem cells in intestinal regeneration</i> Timothy C. Wang, PhD Columbia University Irving Cancer Research Center
12:20-1:40	Lunch
Session 2: Protein and antigen presentation Chairs: Thaddeus Stappenbeck, MD, PhD and Kavitha Scranton, PhD	
1:40-2:10	<i>Stressed to Kill? Generating MHC I Peptides From Stress-Induced DRiPs</i> Jon Yewdell, MD, PhD National Institute of Allergy and Infectious Diseases, NIH
2:10-2:40	<i>Inverting protein structure prediction models to design novel de novo binders</i> Sergey Ovchinnikov, PhD Massachusetts Institute of Technology
2:40-3:10	<i>Decoding T cell recognition</i> Michael Birnbaum, PhD Koch Institute for Integrative Cancer Research at MIT
3:10-3:30	Break
Session 3: Cell-cell communication & tissue organization Chairs: Thaddeus Stappenbeck, MD, PhD and Kavitha Scranton, PhD	
3:30-4:00	<i>Spatially restricted immune and microbiota-driven adaptation of the gut</i> Toufic Mayassi, PhD The Broad Institute of MIT and Harvard
4:00-4:30	<i>Spatial gradients of viral sensing confer a tiered tissue defense system</i> Pulin Li, PhD Whitehead Institute for Biomedical Research at MIT
4:30-5:00	<i>Tissue-specific control of T cell responses</i> Harikesh Wong, PhD Ragon Institute of MGH, MIT, and Harvard
5:00-5:30	<i>Genomic tools for probing the rules of tissue organization</i> Fei Chen, PhD The Broad Institute of MIT and Harvard

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Friday, November 8th, 2024
"Host-Microbe Interactions"

8:30-9:30am	Breakfast
Session 4: Myleoid cells and microbial interactions Chair: Cheri Sirois, PhD and Daniel Graham, PhD	
9:30-10:00	<i>Progenitor deprivation-driven transformation of T and B cell lineages</i> Hans-Reimer Rodewald, DVM, PhD German Cancer Research Center (DKFZ)
10:00-10:30	<i>Salmonella persistence during infection</i> Sophie Helaine, PhD Harvard Medical School, Department of Microbiology
10:30-10:50	Break
10:50-11:20	<i>Molecular and spatial control of tumor-associated macrophages</i> Renato Ostuni, PhD San Raffaele Telethon Institute for Gene Therapy
11:20-11:50	<i>New insights on mucosal immunity to commensal and pathogenic Enterobacteriaceae</i> Manuela Raffatellu, MD University of California, San Diego
11:50-12:20	<i>Protein engineering to improve genome editing technologies</i> Benjamin Kleinstiver, PhD Center for Genomic Medicine at Massachusetts General Hospital
12:20-1:40	Lunch

Session 5: Commensals and mucosal immunity Chair: Ursula Weiss, PhD and Sam Hwang, PhD	
1:40-2:10	<i>Induction and regulation of commensal-specific B cells</i> Oliver Harrison, PhD Benroya Research Institute
2:10-2:40	<i>Regulation of the host-microbiota relationship</i> Theresa Alenghat, VMD, PhD Cincinnati Children's Hospital Medical Center
2:40-3:00	Break
3:00-3:30	<i>Transcriptional regulation of type 1 innate lymphocytes in intestinal inflammation</i> Giuseppe Sciume, PhD Sapienza Università di Roma
3:30-4:00	<i>Exercise-induced microbiota metabolite enhances cancer immunotherapy efficacy</i> Marlies Meisel, PhD University of Pittsburgh, Department of Immunology
4:00-5:00	Keynote <i>Wild-type Microbiota in Preclinical Mouse Models of Inflammation and Metabolism</i> Barbara Rehmann, MD National Institute of Diabetes and Digestive and Kidney Diseases, NIH