

MGHfC Digestive Disease Summer Research Symposium

Friday, August 16th 2019
Building 114 - 1st Floor Conference Room D

- 7:30 – 7:55 am **Welcome Breakfast**
- 7:55 – 8:00 am **Bryan P. Hurley PhD** **Introduction & Opening Remarks**
Director - MGHfC Digestive Disease Summer Research Program
Assistant Professor of Pediatrics, Harvard Medical School
- 8:00 – 8:15 am **Ishan Bhatia** Hamilton College Mentor: James Moon PhD
"The Impact of Immune Checkpoint Blockade on Colitis and T Cells in the Gastrointestinal Tract"
- 8:15 – 8:30 am **Jonathan Contreras** Pomona College Mentor: Daniel Irimia MD PhD
"Immune Cell Migration: Characterizing neutrophil motility in Sepsis"
- 8:30 – 8:45 am **Kevin Chen** Rice University Mentor: Marcy Kingsbury PhD
"The effects of prenatal maternal stress and air pollution exposure on the development of the gastrointestinal system of offspring in an animal model of autism"
- 8:45 – 9:00 am **Samira Ibrahim** Johns Hopkins University Mentor: Nitya Jain PhD
"IGF2BP3 expression and function in fetal HSC development"
- 9:00 – 10:05 pm **2019 Keynote Lecture - Douglas S. Kwon MD PhD**
- Bobby J. Cherayil MD** **Introduction of Keynote Speaker**
Associate Professor of Pediatrics, Harvard Medical School
Associate Immunologist, Mucosal Immunology & Biology Research Center, MGHfC
- Douglas S. Kwon MD PhD** *"The virtue of simplicity: the vaginal microbiome, genital inflammation and HIV risk"*
Director, Tissue Core Facility & Clinical Operations, Ragon Institute of MGH, MIT and Harvard
Associate Professor of Medicine, Harvard Medical School
Associate Physician, Department of Medicine, Division of Infectious Disease, Massachusetts General Hospital
- 10:05 – 10:25 am **Coffee Break**
- 10:25 – 10:40 am **Frances Kiles** Tufts University Mentor: Madhusmita Misra MD MPH
"Relationship between Transdermal Estrogen Replacement, Bone Marrow Fat, and Bone Parameters in Young Women with Hypothalamic Amenorrhea"
- 10:40 – 10:55 am **Isha Mehrotra** M.I.T. Mentor: Maureen Leonard MD
"Characterizing the Developing Blood Microbiome of Pediatric Patients with Celiac Disease "
- 10:55 – 11:10 am **Kayla Lentz** Harvard University Mentor: Alessio Fasano MD
"The Role of Microbial Bioproducts in Modulating the Response of Macrophages to Gluten in Celiac Disease Patients"
- 11:10 – 11:25 am **Brittany Davis** DePauw University Mentor: W. Allan Walker MD
"Short chain fatty acid -butyrate anti- IL-1 β induced intestinal inflammation by regulating the intestinal barrier function related genes in neonatal mice "
- 11:25 – 11:40 am **Nicholas Steudel** College of the Holy Cross Mentor: Hai Ning Shi DVM PhD
"Effects of helminth-induced bacterial metabolites (SCFAs) on mouse adipocytes"
- 11:40 – 11:55 am **Emily Hill** Emory & Henry College Mentor: Bobby J. Cherayil MD
"Role of the YrbE phospholipid transporter in Salmonella Typhimurium infection"
- 11:55 – 12:10 am **Manon Fabrègue** Aix-Marseille University Mentor: Bobby J. Cherayil MD
"Interaction of Salmonella Typhimurium with the bone marrow cells"
- 12:10 – 12:25 am **Kelvin Li** Harvard University Mentor: Christina Faherty PhD
"Using in-vitro like conditions to study adherence proteins in Shigella and their role in biofilm formation"
- 12:25 – 12:30 pm **Bryan P. Hurley, PhD** **Concluding Remarks & Acknowledgements**
- 12:30 pm **Lunch**