

2023 FASI Symposium

Immune Tolerance at the Barrier Interface

May 19th, 2023

The Broad Institute of MIT & Harvard
415 Main St. Cambridge, MA 02142

Registration & Breakfast

- 8:00 - 8:45am** **Registration Opens**
Breakfast Available
- 8:45 - 8:50am** **Opening Remarks**
Carlos Bosques, PhD, FASI
- 8:50 - 9:00am** **FASI Scientific Overview**
Ruslan Medzhitov, PhD, Yale School of Medicine

Session 1: Tolerance at the Gut Barrier

- 9:00 - 9:30am** **Barrier Defense - Insights from Genetics**
Ramnik Xavier, MD, PhD, Broad Institute of MIT and Harvard
- 9:30 - 10:00am** **The Peyer's Patches Sense, Enhance and Transmit Probiotic Signals Important for Homeostasis**
Mia Phillipson, PhD, Uppsala University of Sweden
- 10:00 - 10:30am** **Microbiota-Directed Immune Tolerance at the Gut Barrier**
Dan Littman, MD, PhD, New York University School of Medicine
- 10:30 - 10:45am** *Break*

Session 2: Tolerance at the Skin Barrier

- 10:45 - 11:15am** **On-Person Adaptive Evolution of Staphylococcus Aureus during Treatment for Atopic Dermatitis**
Tami Lieberman, PhD, Massachusetts Institute of Technology
- 11:15 - 11:45am** **Tracking the Fate of Food Antigen-Specific Helper T cells**
Marc Jenkins, PhD, University of Minnesota Medical School
- 11:45 - 12:15pm** **Sensing Inflammation in the Skin and Beyond**
Brian Kim, MD, Icahn School of Medicine at Mount Sinai
- 12:15 - 1:15pm** *Lunch*

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Session 3: Potential for Tolerogenic Therapies

- 1:15 - 1:45pm** **A Tale of Two Strategies to Mitigate Peanut Allergy in Mice**
Kei Kishimoto, PhD, *Selecta Biosciences*
- 1:45 - 2:15pm** **Treg Cells as Mediators of Intestinal Tolerance**
Alexander Rudensky, PhD, Memorial Sloan Kettering Cancer Center
- 2:15- 2:45pm** **Induction of Tregs by Mucosal Administration of Anti-CD3 mAb to Treat Inflammatory and Autoimmune Diseases**
Howard Weiner, MD, Harvard Medical School
- 2:45 -3:00pm** *Break*

Session 4: FASI Spotlight

- 3:00 - 4:00pm** **Presentations from FASI Lab Members:**
Karen Agaronyan (Medzhitov Lab, Yale University)
Michael Schappe (Liberles Lab, Harvard Medical School)
Emily Siniscalco (Eisenbarth Lab, Yale University)
Peng Tan (Xavier Lab, Broad Institute of MIT and Harvard)
Daniel Waizman (Wang Lab, Yale University)

Closing Remarks & Poster Reception

- 4:00 - 4:15pm** **Closing Remarks**
Ruslan Medzhitov, PhD, Yale School of Medicine
- 4:30 - 6:00pm** **Poster Session & Reception**