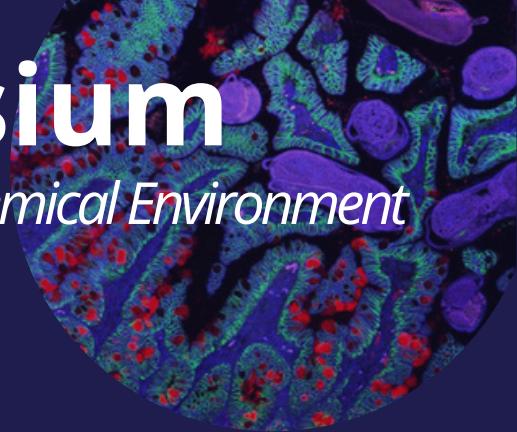


# 2024 FASI Symposium

*Understanding Body Defenses Against the Chemical Environment*

May 31st, 2024

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



## Registration & Breakfast

- 8:15 - 9:00am**     **Registration Opens**  
**Breakfast Available**
- 9:00 - 9:05am**     **Opening Remarks**  
Carlos Bosques, PhD, FASI
- 9:05 - 9:15am**     **FASI Scientific Overview**  
Ruslan Medzhitov, PhD, Yale School of Medicine

## Session 1: Environmental adjuvants in allergic sensitization

- 9:15 - 9:45am**     **Molecular Components of Diet Underlying Oral Tolerance**  
Beth Sattely, PhD | Stanford University
- 9:45 - 10:15am**     **“Clearing the air” on the Mechanisms of Food Allergy: The Role of Air Pollutants in Promoting Allergic Sensitization to Foods**  
Timothy Moran, M.D. | UNC School of Medicine
- 10:15- 10:45am**     **Defense Against Modern Industrial Poisons**  
Andrew Wang, Ph.D. | Yale School of Medicine

**10:45 - 11:00am**     **Break**

## Session 2: Decoding host detection of noxious stimuli and detoxification pathways

- 11:00 - 11:30am**     **From Exposomics to a Human Exposome Project**  
Thomas Hartung, Ph.D. | Johns Hopkins University
- 11:30 - 12:00pm**     **The Evolution and Specialization of TAS2R Bitter Taste Receptors in Toxin Detection and Beyond**  
Jing Ke Weng, Ph.D. | Northeastern University

**12:00-12:45pm**     **Lunch**

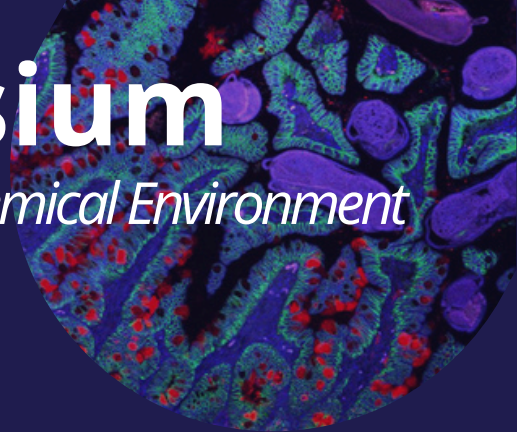
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## Session 3: Microbiota and microbial metabolites for human health

**12:45 - 1:15pm**      **Understanding and Manipulating Immune Modulation by the Microbiome**

Michael Fischbach, Ph.D. | Stanford University

**1:15 - 1:45pm**      **Discovery of Reactive Microbial Metabolites**

Emily Balskus, Ph.D. | Harvard University

**1:45-2:00pm**      **Break**

## Session 4: Keynote Presentation

**2:00 - 2:45pm**      **Foodome: The Dark Matter of Nutrition**

Albert-László Barabási, Ph.D. | Northeastern University

## Session 5: FASI Spotlight

**2:45 - 3:45pm**      **Presentations from FASI Lab Members**

Laura Hoyt (Eisenbarth Lab, Yale University)

Yifan Ma (Wang Lab, Yale University)

Gaspar Pacheco (Wesemann Lab, Harvard Medical School)

Orlee Marini-Rapoprt (Patil Lab, Harvard Medical School)

## Closing Remarks & Poster Reception

**3:45 - 4:00pm**      **Closing Remarks**

Ruslan Medzhitov, PhD, Yale School of Medicine

**4:00 - 5:30pm**      **Poster Session & Reception**