

2025 FASI Symposium

Neurobiology & Immunology of Food-Related Behaviors and Eating Disorders

September 12th, 2025

The Broad Institute of MIT & Harvard

415 Main St. Cambridge, MA 02142



Registration & Breakfast

- 8:00 - 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: Sensory Receptors and Neuronal Circuits Involved in Taste, Nutrient and Toxin Sensing

- 9:15 - 9:45am** **Taste and Oral Sensations – Where Food First Meets Body**
Nirupa Chaudhari, PhD | University of Miami
- 9:45 - 10:15am** **Mechanisms of Body-Brain Communication**
Stephen Liberles, PhD | Harvard Medical School

Session 2: Processing of Internal Cues That Regulate Appetite, Hunger and Food Intake

- 10:15- 10:45am** **Brain Control of Mucosal Immunity**
Ivan de Araujo, D Phil | Max Planck Institute
- 10:45- 11:15am** **Sensing Immunity: How Sensory Cues Shape Immune Tolerance**
Asya Rolls, PhD | Tel Aviv University
- 11:15 -11:45am** **Break**

Session 3: Brain-Gut Circuits Mediating Stress and Modulation of Intestinal Immunity

- 11:45 - 12:15pm** **Neural Circuits that Regulate Hunger / Satiety**
Bradford Lowell, PhD | Beth Israel Deaconess Medical Center
- 12:15 - 12:45pm** **Exercise Alters Gut to Brain Signals that Reduce Sugar Consumption**
Nicholas Betley, PhD | University of Pennsylvania
- 12:45 - 1:45pm** **Lunch**

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Session 4: Brain Mechanisms of Maladaptive Eating Disorders in Humans

1:45 - 2:15pm Altered Motivation to Eat: New Insights into the Neurobiology of Eating Disorders

Christina Wierenga, PhD | UC San Diego

2:15 - 2:45pm Break

Session 5: Keynote Presentation

2:45 - 3:30pm GDF15: The sentinel hormone

Stephen O'Rahilly, MD | University of Cambridge

Session 6: FASI Spotlight

3:30 - 4:15pm Presentations from FASI Lab Members

Closing Remarks & Poster Reception

4:15 - 4:20pm Closing Remarks

Ruslan Medzhitov, PhD, Yale School of Medicine

4:20 - 6:00pm Poster Session & Reception

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ANONYMOUS