

Center for the Study of Inflammatory Bowel Disease (CSIBD)
26th Annual Workshop

Food Allergy: Signals to Circuits
November 11 – 12, 2016

November 11, 2016

7:45 – 8:00 Registration and Continental Breakfast
Opening Remarks
Ramnik J. Xavier, M.D., Director, CSIBD

Session I: Moderators: Kate Jeffrey, Ph.D., and Balfour Sartor, M.D.

8:00 – 8:20 ***Understanding Food Allergy as a Quantitative Phenotype***
Wayne G. Shreffler, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

8:25 – 8:45 ***Interactions of IgE and IgG Signals in Immune Sensitization and Responses to Food Allergens***
Hans C. Oettgen, M.D., Ph.D., Boston Children's Hospital, Boston, MA

KEYNOTE ADDRESS
8:50 – 9:35 ***Food Quality Control Systems and Associated Diseases***
Ruslan M. Medzhitov, Ph.D., Yale School of Medicine, New Haven, CT

9:40 – 10:00 ***Celiac Disease: A Story of a Dietary Antigen and a Tissue***
Bana Jabri, M.D., Ph.D., University of Chicago, IL

10:05 – 10:20 **BREAK**

Session II: Moderators: Charles Elson, M.D., and Stephen James, M.D.

10:25 – 10:45 ***A Single-cell Atlas of the Small Intestinal Epithelium Uncovers Novel Cell State and Function***
Adam Haber, Ph.D., Broad Institute of MIT and Harvard, Cambridge, MA

10:50 – 11:10 ***Crosstalk between Intestinal Stem Cells and T Cells Determines Epithelial Cell Fate***
Moshe Biton, Ph.D., Broad Institute of MIT and Harvard, Cambridge, MA

11:15 – 11:35 ***Early Production of IL-4 by Macrophage-Primed NKTs Supports B Cell Immunity***
Facundo D. Batista, Ph.D., Ragon Institute of MGH, MIT and Harvard, Cambridge, MA

11:40 – 12:10 ***Mast Cells in Food Allergy***
Paul J. Bryce, Ph.D., Northwestern University Feinberg School of Medicine, Chicago IL

12:15 – 1:00 **LUNCH**

Session III:

Moderators: Alan Mullen, M.D., Ph.D., and Andrew Luster, M.D., Ph.D.

1:05 – 1:25

The Skin-Gut Crosstalk in Food Allergy

Raif Geha, M.D., Boston Children's Hospital, Boston, MA

1:30 – 1:50

New Mouse Models to Look at the Gut

Hidde Ploegh, Ph.D., Massachusetts Institute of Technology, Cambridge, MA

1:55 – 2:15

Effects of Probiotics on Food Allergy and Aversion Behavior

Ana Maria Caetano de Faria, M.D., Ph.D., Universidade Federal de Minas Gerais, Brasil

2:20 – 2:40

The Immunological Determinants of Lifelong Food Allergy

Manel Jordana M.D., Ph.D., McMaster University, Canada

2:45 – 3:05

BREAK

Session IV:

Moderators: James Moon, Ph.D., and Hans-Christian Reinecker, M.D.

3:10 – 3:30

Initiation of Type 2 Immune Responses

Jakob von Moltke, Ph.D., University of Washington, Seattle, WA

3:35 – 3:55

Metabolites and Metabolite-Sensing GPCRs in Food Allergy

Charles Mackay, Ph.D., Monash University, Australia

4:00 – 4:20

Food Allergy Depends on the Unfolded Protein Response

Fred Finkelman, M.D., University of Cincinnati College of Medicine, Cincinnati, OH

4:25 – 4:45

Chemosensory Signaling in the Alimentary Tract: Taste Receptors and Beyond

Paul Breslin, Ph.D., Rutgers School of Environmental and Biological Sciences, New Brunswick, NJ

4:50 – 5:10

Glycan Regulation of IgE

Robert M. Anthony, Ph.D., Massachusetts General Hospital, Boston, MA

November 12, 2016

7:30 – 7:55 Registration and Continental Breakfast

Session V: Moderators: Shiv Pillai, M.D., Ph.D., and Atul Bhan, M.D.

8:00 – 8:20 ***Population-scale Microbiome Function***
Curtis Huttenhower, Ph.D., Harvard University, Boston, MA

8:25 – 8:45 ***Exposure to Microbiota in Early Life Shapes Immune Development***
Kathy McCoy, Ph.D., Universität Bern, Switzerland

8:50 – 9:10 ***Neuro-Immune Interactions in the Intestine***
Daniel Mucida, Ph.D., The Rockefeller University, New York, NY

9:15 – 9:40 ***How Gut Microbes Communicate with our Nervous System – Relevance for Food Allergies?***
Emeran A. Mayer, M.D., Ph.D., University of California, Los Angeles, CA

9:45 – 10:05 **BREAK**

Session VI: Moderators: Fabio Cominelli, M.D., Ph.D., and Benjamin Medoff, M.D.

10:10 – 10:30 ***Immune Regulation at Barrier Surfaces***
David Artis, Ph.D., Cornell University, New York, NY

10:35 – 10:55 ***Regulatory T cells and Th2 Immunity at Mucosal Barriers***
Andrew Luster, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

11:00 – 11:25 ***Regulation of Th2 Responses by Regulatory Cells***
Vijay K. Kuchroo, Ph.D., Brigham and Women's Hospital, Boston, MA

11:30 - 11:50 ***Novel Gatekeepers Control the Initiation of the Allergic Immune Response***
Caroline Sokol, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

12:00 – 12:30 ***Discussion***

12:30 – 1:30 **LUNCH**

***Simches Research Building at Charles River Plaza
185 Cambridge Street, 3rd floor
The Workshop is open to the research community at no charge
To register, please e-mail dvalley@partners.org***