

Center for the Study of Inflammatory Bowel Disease  
19<sup>th</sup> Annual Workshop

**Integrating Innate and Adaptive Immunity in  
Complex Human Diseases**

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**Friday, November 13, 2009**

7:30 - 7:55 Registration and Continental Breakfast  
Opening Remarks  
Ramnik J. Xavier, M.D., Director, CSIBD

**Session I: INNATE IMMUNITY – REGULATION**

Moderators: Benjamin Medoff, M.D., and John Rioux, Ph.D.

8:00 – 8:20 ***IMD Pathway and Drosophila Innate Immunity***  
Neal Silverman, Ph.D., University of Massachusetts Medical School, Boston, MA

8:25 – 8:45 ***Dissection of C. elegans Host Response to Infection***  
Frederick Ausubel, M.D., Massachusetts General Hospital, Boston, MA

8:50 – 9:10 ***CARD9 and Innate Immunity***  
Takashi Saito, Ph.D., RIKEN Center for Allergy and Immunology, Yokohama, Japan

9:15 – 9:35 ***Kinetic Control and Negative Feedback Loops in NF-KB Signaling***  
Alexander Hoffmann, Ph.D., University of California, San Diego, CA

9:40 – 10:00 Discussion

10:05 – 10:20 Break

**Session II: TLR'S, NALPS AND DANGER SIGNALS**

Moderators: Fabio Cominelli, M.D., Ph.D., and Gail Hecht, M.D.

10:25 – 10:45 ***Innate Immunity and Allergenicity***  
Christopher Karp, M.D., Cincinnati Children's Hospital Medical Center, Cincinnati, OH

10:50 – 11:10 ***NALP Proteins and Inflammatory Assembly***  
Jürg Tschopp, Ph.D., University of Lausanne, Switzerland

11:15 – 11:35 ***Ubiquitin and Immunity***  
Averil Ma, M.D., University of California, San Francisco, CA

11:40 – 12:00 ***NODS, NALPS Immunity***  
Warren Strober, M.D., National Institutes of Health, Bethesda, MD

12:05 – 12:25 Discussion

12:30 – 1:25 Lunch

**Session III: LYMPHOCYTE ACTIVATION**

Moderators: Claudio Focchi, M.D., and Charles Elson III, M.D.

- 1:30 – 1:50 ***Transcriptional Regulation in CD4 Lymptocytes***  
Anjana Rao, Ph.D., Harvard Medical School, Boston, MA
- 1:55 – 2:15 ***Transcriptional Control in CD8 T Cells***  
Kenneth M. Murphy, M.D., Ph.D., Washington University School of Medicine in St. Louis, MO
- 2:20 – 2:40 ***Transcriptional Regulation of Th17 Cells***  
Liang Zhou, M.D., Ph.D., Feinberg School of Medicine, Northwestern University, Chicago, IL
- 2:45 – 3:05 ***Natural and Adapative Foxp3+ Regulatory T Cells: More of the Same or a Division of Labor***  
Juan Lafaille, Ph.D., New York University School of Medicine, New York, NY
- 3:10 – 3:30 Discussion
- 3:35 – 3:50 Break

**Session IV: INNATE IMMUNE SIGNALS AND ADAPTIVE IMMUNITY**

Moderators: Lloyd Mayer, M.D., and Atul Bhan, M.D.

- 3:55 – 4:15 ***ITAM Signals in DCs for CD4+ T Cell Priming***  
Wojciech Swat, Ph.D., Washington University School of Medicine, St. Louis, MO
- 4:20 – 4:40 ***Innate Control of Adaptive Immunity***  
Ruslan Medzhitov, Ph.D., Yale University School of Medicine, New Haven, CT
- 4:45 – 5:05 ***Reconstructing Regulatory Circuits in Pathogen Sensing Responses***  
Aviv Regev, Ph.D., Broad Institute, MIT and Harvard, Cambridge, MA
- 5:10 – 5:30 Discussion

**Saturday, November 14, 2009**

- 7:30 - 8:00 Registration and Continental Breakfast  
Remarks

**Session V: IMMUNE CONTROLLERS AND ADAPTIVE IMMUNITY**

Moderators: Andrew Luster, M.D., Ph.D., and Christian Reinecker, M.D.

- 8:05 – 8:25 ***B Cells Immune Responses and Autoimmunity***  
Shiv Pillai, M.D., Ph.D., Massachusetts General Hospital, Boston, MA
- 8:30 – 8:50 ***Micro RNA's and B Cell Immunity***  
Klaus Rajewsky, Ph.D., Harvard Medical School, Boston, MA

8:55 – 9:15 ***Invivo Analysis of Dendritic Cell Development and Homeostasis***  
Michel C. Nussenzweig, M.D., Ph.D., The Rockefeller University, New York, NY

9:20 – 9:35 Discussion

**Session VI: MICROBES, IMMUNITY AND DISEASE MODELS**

Moderators: Cox Terhorst, Ph.D., and Judy Cho, M.D.

9:40 – 10:00 ***Initiation of Arthritis in Response by Commensal Bacteria***  
Diane Mathis, Ph.D., Joslin Diabetes Center, Boston, MA

10:05 – 10:25 ***Regulatory Lymphocytes and Intestinal Inflammation***  
Fiona Powrie, M.D., Oxford University, Oxford, United Kingdom

10:30 – 10:50 ***Linking Innate and Adaptive Immunity in Celiac Disease***  
Bana Jabri, M.D., Ph.D., The University of Chicago, Chicago, IL

10:55 – 11:10 Discussion

**Session VII: COMMUNICATION BETWEEN INNATE AND ADAPTIVE IMMUNITY IN THE INTESTINAL MUCOSA**

Moderators: Balfour Sartor, M.D. and Scott Snapper, M.D., Ph.D.

11:15 – 11:35 ***Crohn's Disease Linking Innate to Adaptive Immunity***  
Charles Elson III, M.D., University of Alabama, Birmingham, AL

11:40 – 12:00 ***Genetics & Biology of TL1A: A Central Regulator of Normal and IBD Mucosal Immunity***  
Stephan Targan, M.D., Cedars Sinai Medical Center, Los Angeles, CA

12:05 – 12:25 ***Basophils and Mucosal Immunity***  
David Artis, Ph.D., University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA

12:30 – 12:50 ***Macrophage's Coordinate Sentinel Responses in Intestinal Immunity***  
Scott E. Plevy, M.D., University of North Carolina School of Medicine, Chapel Hill, NC

12:55 – 1:15 ***Negative Regulators of Innate Immunity***  
Luke O'Neill, Ph.D., University Dublin Trinity College, Dublin, Ireland

1:20 – 1:40 ***Innate Immunity in HIV-1 Infection***  
Marcus Altfeld, M.D., Ph.D., Ragon Institute of MGH, MIT, and Harvard, Charlestown, MA

1:45 – 2:00 Discussion

2:05 Lunch