Center for the Study of Inflammatory Bowel Disease
19th Annual Workshop

Integrating Innate and Adaptive Immunity in Complex Human Diseases

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 Inflammsome 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 Fiocchi, M.D., and Charles Elson III, M.D.

1:30 – 1:50

*Transcriptional Regulation in CD4 Lymphocytes*
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 Adaptive 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