Center for the Study of Inflammatory Bowel Disease
25th Annual Workshop

Human Immune Interactome in Health and Disease
November 13 – 14, 2015

November 13, 2015

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

Session I:
Moderators: Gail Hecht, M.D., and Kate Jeffrey, Ph.D.

8:00 – 8:20  “IgG4 Disease” to “IgG4-Related Disease”
Shiv Pillai, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

8:25 – 8:45  Antigen Discovery in Ulcerative Colitis
Charles Elson, III, M.D., University of Alabama, Birmingham, AL

8:50 – 9:10  Resident Memory T Cells in Human Health and Disease
Rachael Clark, M.D., Ph.D., Brigham and Women’s Hospital, Boston, MA

9:15 – 9:35  T Cell Tolerance to Tissue-Restricted Self Antigens
James Moon, Ph.D., Massachusetts General Hospital, Boston, MA

9:40 – 10:00  T Cell Autoimmunity
Gerald Nepom, M.D., Ph.D., Benaroya Research Institute at Virginia Mason, Seattle, WA

10:05 – 10:20  BREAK

Session II:
Moderators: Charles Elson, M.D., and Fabio Cominelli, M.D., Ph.D.

10:25 – 10:45  Combining Population and Clinical Biobanks to Translate Genetic Variation into Immune Function
Cisca Wijmenga, Ph.D., The University of Groningen, The Netherlands

10:50 – 11:10  The Milieu Intérieur Study
Matthew Albert, M.D., Ph.D., Institut Pasteur, Paris, France

11:15 – 11:35  Regulation and Role of Human Intraepithelial Lymphocytes
Bana Jabri, M.D., Ph.D., The University of Chicago, Chicago, IL

11:40 – 12:00  Functional Heterogeneity of Human Memory CD4+ T Cells in Health and Disease
Ben A. Croker, Ph.D., Boston Children’s Hospital, Boston, MA

12:00 – 1:00  LUNCH
Session III: Moderators: John Garber, M.D., and Atul Bhan, M.D.

1:05 – 1:25  
**Immune Competence and Metabolic Circuits**
Helen Su, M.D., Ph.D., National Institute of Allergy and Infectious Diseases, Bethesda, MD

1:30 – 1:50  
**Novel insights into Phenotypic Heterogeneity of Human RAG Deficiency**
Luigi Notarangelo, M.D., Boston Children’s Hospital, Boston, MA

1:55 – 2:15  
**Treatment and Cure Strategies for WHIM Syndrome Immunodeficiency**
Philip Murphy, M.D., National Institute of Allergy and Infectious Diseases, Bethesda, MD

2:20 – 2:40  
**Development of Novel Models to Study IL-23 Biology in vivo**
Sergio Lira, M.D., Ph.D., Mount Sinai Hospital, New York, NY

2:45 – 3:05  
BREAK

Session IV: Moderators: James Moon, Ph.D., and Vijay Yajnik, M.D., Ph.D.

3:10 – 3:30  
**Channels, Bugs and Lysosomes**
Soman Abraham, Ph.D., Duke University School of Medicine, Durham, NC

3:35 – 3:55  
**Regulators of Selective Autophagy**
Leon Murphy, Ph.D., Novartis Institutes for Biomedical Research, Cambridge, MA

4:00 – 4:20  
**Immunity and Genetic Properties of Tumors**
Nir Hacohen, Ph.D., Massachusetts General Hospital, Boston, MA

4:25 – 4:45  
**Master Regulators and Cancer**
Andrea Califano, Ph.D., Columbia University, New York, NY
November 14, 2015

7:15 - 7:40  Registration and Continental Breakfast

**Session V:**  Moderators: Andrew Luster, M.D., Ph.D., and Hans-Christian Reinecker, M.D.

7:45 – 8:05  *Airway Immune Response to Allergen in Asthma*
Andrew Luster, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

8:10 – 8:30  *Accelerating to Impact: Experimental Medicine in Infectious Diseases*
Lynda Stuart, M.D., Ph.D., Bill & Melinda Gates Foundation, Seattle, WA

8:35 – 8:55  *Check Points in Autoimmunity*
Mark Anderson, M.D., UCSF Medical Center, San Francisco, CA

**KEYNOTE ADDRESS**

9:00 – 9:30  *Immunication for HIV-1 Broadly Neutralizing Antibodies*
Michel Nussenzweig, M.D., Ph.D., The Rockefeller University, New York, NY

9:35 – 9:55  *Approaching the Immune System as an Interacting Ensemble of Cells*
Alex Shalek, Ph.D., Ragon Institute of MGH, MIT and Harvard, Cambridge, MA

10:00 – 10:20  BREAK

**Session VI:**  Moderators: Balfour Sartor, M.D., and Cosmas Giallourakis, M.D.

10:25 – 10:45  *A Distinct Biology of Clinical Outcome in Immune-mediated Disease?*
Kenneth Smith, M.D., Ph.D., The University of Cambridge, Cambridge, UK

10:50 – 11:10  *Paneth Cells in 2015*
Thaddeus S. Stappenbeck, M.D., Ph.D., Washington University School of Medicine, St. Louis, MO

11:15 – 11:35  *Microbes and Metabolic Syndromes*
Charles Mackay, Ph.D., Pfizer, Inc., Cambridge, MA

11:40 – 12:00  *Testing the Hygiene Hypothesis: Microbiome Development of Infants with Different Lifestyles*
Tommi Vatanen, M.Sc., Broad Institute of MIT and Harvard, Cambridge, MA

12:05 –  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 mleonard1@partners.org