Friday, November 14, 2008

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

**Session I: Molecular Pathways of Autophagy**

Moderators: Christian Reinecker, M.D. and Cosmas Giallourakis, M.D.

8:00 – 8:20 *Mechanistic Insight into LC3 Lipidation for Membrane Biogenesis in Autophagy*
Tamotsu Yoshimori, Ph.D., Osaka University, Japan

8:25 – 8:45 *Chaperone Mediated Autophagy*
Anna Maria Cuervo, M.D., Ph.D., Albert Einstein College of Medicine, Bronx, NY

8:50 – 9:10 *Autophagy in Stress and Development – Molecular Insight From Yeast to Zebra Fish Models*
Beth Levine, M.D., University of Texas Southwestern Medical Center, Dallas, TX

9:15 – 9:35 *Autophagy in Growth, Survival and Death; Insights from Fly Biology*
Eric Baehrecke, Ph.D., University of Massachusetts Medical School, Worcester, MA

9:40 – 10:10 Discussion

10:15 – 10:30 Break

**Session II: Autophagy and Apoptosis in the Regulation of Inflammation**

Moderators: Abraham Brass, M.D., Ph.D. and Vijay Yajnik, M.D., Ph.D.

10:35 – 10:55 *Metabolic Reprogramming Bioenergetics in Cell Growth*
Craig B. Thompson, M.D., University of Pennsylvania, Philadelphia, PA

11:00 - 11:20 *Recent Update on Inflammasome*
Jürg Tschopp, Ph.D., University of Lausanne, Switzerland

11:25 – 11:45 *Novel Regulatory Mechanisms of Autophagy Pathway*
Jae Jung, Ph.D., University of Southern California, Los Angeles, CA

11:50 – 12:20 Discussion

12:25 – 1:25 Lunch
Session III: Autophagy in Innate and Adaptive Immunity I
Moderators: Stephen James M.D. and Cox Terhorst, Ph.D.

1:30 – 1:50 Genetics, Genes and Pathways in Crohn’s Disease
Ramnik J. Xavier, M.D., Massachusetts General Hospital, Boston, MA

1:55 – 2:15 Role of ATG16 in Innate and Adaptive Immunity
Herbert W. Virgin IV, M.D., Ph.D., Washington University School of Medicine, St. Louis, MO

2:20 – 2:40 Interactions of Listeria and Salmonella with the Autophagy System of Host Cells
John H. Brumell, Ph.D., The Hospital for Sick Children, Toronto, Ontario, Canada

2:45 – 3:10 IRGM in Autophagy: Where Rubber Meets the Road from Tuberculosis to Crohn’s Disease
Vojo Deretic, Ph.D., University of New Mexico HSC, Albuquerque, NM

3:15 – 3:45 Discussion

3:50 – 4:10 Break

Session IV: Autophagy in Innate and Adaptive Immunity II
Moderators: Martin Kagnoff, M.D. and Fabio Cominelli, M.D.

4:15 – 4:35 Role of Autophagy in Viral Antigen Presentation by MHCII Molecules
Christian Münz, Ph.D., University Hospital Zurich, Switzerland

4:40 – 5:00 Autophagosomal Machinery and RNA Viruses
Akiko Iwasaki, Ph.D., Yale University School of Medicine, New Haven, CT

5:05 – 5:25 Functional Role of IRGM in Autophagy and Cell Death Pathways
Carl Feng, M.D., Ph.D., National Institutes of Health, Bethesda, MD

5:30 – 5:50 Discussion

Saturday, November 15, 2008

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

Session V: Autophagy in Mechanisms of Disease
Moderators: Balfour Sartor, M.D. and Claudio Fiocchi, M.D.

8:05 – 8:25 The Role of Autophagy in Early Embryogenesis
Noboru Mizushima, M.D., Ph.D., Tokyo Medical and Dental University, Tokyo, Japan

8:30 – 8:50 Genome Wide Screen for Regulators of Autophagy
Junying Yuan, Ph.D., Harvard Medical School, Boston, MA

8:55 – 9:15 AKT-mTOR and Foxp Cells
Christophe Benoist, M.D., Ph.D., Joslin Diabetes Center, Boston, MA
9:20 – 9:40  
**Role of VAV Proteins in Host Cell Immunity**  
Wojciech Swat, Ph.D., Washington University School of Medicine, St. Louis, MO

9:45 – 10:05  
Discussion

10:10 – 10:25  
Break

**Session VI:**  
**Autophagy a Therapeutic Target**

Moderators: Scott Snapper, M.D., Ph.D. and Charles Elson, M.D.

10:30 – 10:50  
**XBP1, Paneth Cells and IBD**  
Richard Blumberg, M.D., Brigham and Women’s Hospital, Boston, MA

10:55 – 11:15  
**Role of Autophagy and the Proteasome Pathways in Muscle Wasting and Cachexia**  
Alfred Lewis Goldberg, Ph.D., Harvard Medical School, Boston, MA

11:20 – 11:40  
**Mitochondrial Autophagy in Hepatocytes**  
John J. LeMasters, M.D., Ph.D., Medical University of South Carolina, Charleston, SC

11:45 – 12:05  
**Autophagy and Chemical Biology**  
James E. Bradner, M.D., Dana Farber Cancer Institute, Boston, MA

12:10 – 12:30  
Discussion

12:30  
Lunch