Wednesday, April 22

6:00 pm - 7:00 pm  
Henry Kunkel Lecture  
“Experimental approaches to resolve complex posttranscriptional regulatory networks”  
(Caspary Auditorium)  
Thomas Tuschl, PhD  
Associate Professor and Head, Laboratory for RNA Molecular Biology, Rockefeller University  
Investigator, Howard Hughes Medical Institute

7:00 pm – 10:00 pm  
Cocktails & Dinner at Griffis Club  
Enterance at 1300 York Ave. (69th St. & York Ave)

Thursday, April 23

8:00 am - 8:45 am  
Continental breakfast (Abby Lounge)

8:45 am - 12:40 pm  
Henry Kunkel Society Sessions (Caspary Auditorium)

Immunoregulation – Moderator: Joe Craft

8:45 am -9:10 am  
A genetic dissection of immunity to infection "in natura"  
Jean-Laurent Casanova, Laboratory of Human Genetics of Infectious Diseases, Rockefeller University, New York

9:10 am - 9:35 am  
Regulation of Cytokine Production and Function by ITGAM and Beta2 Integrins Lionel Ivashkiv, Hospital for Special Surgery, New York

9:35 am - 10:00 am  
Novel roles for IgG glycans Jeffrey Ravetch, Laboratory of Molecular Genetics & Immunology, Rockefeller University, New York

10:00 am - 10:25 am  
Autoantibodies to multiple components of the microRNA pathway and aberrant microRNA expression in autoimmune diseases Ed Chan, University of Florida, Gainesville
(Thursday, April 23 cont’d)

10:25 am - 11:00 am  **Coffee Break**

**Autoimmunity I – Moderator: Antony Rosen**

11:00 am - 11:25 am  **Innate Immune Mechanisms in Experimental Lupus** Westley Reeves, University of Florida, Gainesville

11:25 am - 11:50 am  **Dermatomyositis Autoantigens: An Unexpected Interferon Connection** Antony Rosen, John Hopkins School of Medicine, Baltimore

11:50 am - 12:15 pm  **Genetic determination of autoreactive T cells in a mouse model of lupus** Laurence Morel, University of Florida, Gainesville

12:15 pm - 12:40 pm  **Two step Bayesian approach identifies novel SLE genes** Chaim Jacob*, University of Southern California, Los Angeles

12:40 pm - 2:00 pm  **Luncheon & Henry Kunkel Society Business Meeting** (Faculty Club)

2:00 pm – 5:00 pm  **Henry Kunkel Society Sessions** (Caspary Auditorium)

**Host Defense I – Moderator: Eric Pamer**

2:00 pm - 2:25 pm  **Alternative Relationships Between Anti-infective Chemotherapy and Host Immunity** Carl Nathan, Weill Medical College of Cornell University, New York

2:25 pm - 2:50 pm  **Immune response to M. tuberculosis infection: good, but not good enough** Michael Glickman, Memorial Sloan-Kettering Cancer Center, New York

2:50 pm - 3:15 pm  **Host-microbial interactions in the gut: impact on the regulation of intestinal immune homeostasis** David Artis, School of Veterinary Medicine, University of Pennsylvania, Philadelphia

3:15 pm - 3:40 pm  **Innate immune defense against intestinal bacteria** Eric Pamer, Memorial Sloan-Kettering Cancer Center, New York

3:40 pm - 4:00 pm  **Tea Break**
(Thursday, April 23 cont’d)

**Innate Immunity I – Moderator: Ed Clark**

4:00 pm - 4:20 pm  *Macrophage receptors in Innate Immunity* Siamon Gordon, University of Oxford

4:20 pm - 4:40 pm  *Plasmacytoid dendritic cells sense DNA/RNA during infection and in autoimmune diseases* Yong-Jun Liu, Anderson Cancer Center, Houston

4:40 pm - 5:00 pm  *Antigen targeting through dendritic cell-associate C-type lectin receptors* Edward Clark, University of Washington, Seattle

5:00 pm - 6:30 pm  **Henry Kunkel Society Posters** (Abby Lounge) Wine

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**Friday, April 24**

8:00 am - 8:45 am  Continental Breakfast (Abby Lounge)

8:45 am – 12:30 pm  **Henry Kunkel Society Sessions** (Room 301 Weiss Building)

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**Innate Immunity II – Moderator: Edward Clark**

8:45 am - 9:10 am  *Microbiota and gut Th17 cells in health and disease* Ivo Ivonoff, Skirball Institute, New York University, New York

9:10 am - 9:35 am  *Triggering and control of innate antiviral immunity* Michael Gale, University of Washington, Seattle

9:35 am - 10:00 am  *Development of an RNAi Therapeutic, ALN-RSV01, for Respiratory Syncytial Virus Infection* Akshay Vaishnaw, Alnylam Pharmaceuticals, Cambridge, MA

10:00 am - 10:15 am  *Integrated Regulation of Toll-like Receptor Responses by Notch and Interferon-gamma Pathways* Xiaoyu Hu, Hospital for Special Surgery, New York

10:15 am - 10:30 am  *Limiting leukocyte recruitment and inflammation by endothelial Del-1* Triantafyllos Chavakis*, Experimental Immunology Branch, CCR, NCI, NIH, Bethesda
(Friday, April 24 cont’d)

10:30 am - 11:00 am  **Coffee Break**

**Autoimmunity II – Moderator: David Lee**

11:00 am - 11:15 am  **Genetic determinants of regulatory checkpoint control in autoimmune diabetes**  
*Gerald Nepom*, Benaroya Research Institute (BRI) at Virginia Mason, Seattle

11:15 am - 11:30 am  **Increased T Cell Reactivity to Insulin is Responsible for the Accelerated Type 1 Diabetes Observed in the Absence of Thymic Insulin Expression**  
*Teresa DiLorenzo*, Albert Einstein College of Medicine, Bronx, New York

11:30 am - 11:45 am  **Mast cells and autoimmune arthritis**  
*David Lee*, Brigham and Women’s Hospital, Division of Rheumatology, Boston

11:45 am - 12:00 pm  **The role of endogenous TLR ligands in Rheumatoid Arthritis**  
*Richard Pope*†, Northwestern University Feinberg School of Medicine, Chicago

12:00 pm - 12:15 pm  **Role of sphingosine 1 phosphate in TNFa induced inflammatory arthritis**  
*Gary Gilkeson*†, Medical University of South Carolina, Charleston

12:15 pm - 12:30 pm  **IFN-gamma Regulates the Requirement for IL-17 in Proteoglycan-Induced Arthritis**  
*Allison Finnegan*†, Rush University Medical Center, Chicago

12:30 pm - 2:00 pm  **Luncheon**  
(South Dining Room, 17th floor Weiss Building)

2:00 pm – 5:00 pm  **Henry Kunkel Society Sessions**  
(Room 301 Weiss Building)

**Mechanistic Insights in Human Disease – Moderator: Keith Elkon**

2:00 pm - 2:20 pm  **Homeostatic and Inflammatory Roles of Complement and Natural Antibodies in Atherosclerosis**  
*Dorian Haskard*, Imperial College London, United Kingdom
(Friday, April 24 cont’d)

2:20 pm - 2:40 pm  *A role for leukocyte-endothelial adhesion mechanisms in epilepsy* Gabriela Constantin, University of Verona, Italy

2:40 pm - 3:00 pm  *Inverse relationship between paraoxonase level and symptoms of asthma* Andras Falus, Dept. Genetics, Cell- and Immunobiology, Semmelweis University, Budapest, Hungary

3:00 pm -3:20 pm  *Genetics of atypical haemolytic uremic syndrome: Insights into complement dysregulation* Santiago Rodriguez de Cordoba*, Centro de Investigaciones Biologicas (CSIC), Madrid, Spain

3:20 pm -3:40 pm  *Molecular autoimmune mechanisms leading to formation of nephritogenic IgA1-IgG immune complexes* Jan Novak, University of Alabama at Birmingham

3:40 pm - 4:00 pm  **Tea Break**

*Host Defense II – Moderator: Lloyd Mayer*

4:00 pm - 4:15 pm  *Increased susceptibility to fungal infections/chronic mucocutaneous candidiasis can be due to a homozygous loss-of-function mutation in CARD9* Bodo Grimbacher*, Royal Free Hospital, and University College London, London, UK

4:15 pm - 4:30 pm  *A novel form of recessive STAT1 deficiency associated with impaired but not abolished responses to IFN-α/β, IFN-γ, IFN-β1 and IL-27* Stephanie Boisson-Dupuis, Laboratory of Human Genetics of Infectious Diseases, Rockefeller University, New York

4:30 pm - 4:45 pm  *NRF-2 contributes to the downregulation of inflammation during the chronic stage of BCG infection* Matyas Sandor, Department of Pathology and Laboratory Medicine, University of Wisconsin

4:45 pm - 5:00 pm  *The role of Tim-3 in T cell exhaustion in HIV infection* Mario Ostrowski*, University of Toronto, Toronto, Canada
Saturday, April 25

8:45 am - 12:00 pm  Henry Kunkel Society Sessions  
(Caspari Auditorium)

**B Cells – Moderator: Michael Carroll**

8:45 am - 9:05 am  Human PMS2 deficiency is associated with impaired immunoglobulin class switch recombination  
Anne Durandy, Institut National de la Santé et de la Recherche Médicale (INSERM) Paris, France

9:05 am - 9:25 am  A Different Ontogenesis for CLL Cases Carrying Stereotyped Antigen Receptors: Molecular and Computational Evidence  
Kostas Stamatopoulos*, G. Papanicolaou Hospital, Thessaloniki, Greece

9:25 am - 9:45 am  Key developmental transitions in human germinal center B cells are revealed by differential CD45RB expression  
Donald Capra, Oklahoma Medical Research Foundation, Oklahoma City

9:45 am - 10:05 am  Directed trafficking of chemokines and small antigens into LNs via follicular conduits  
Michael Carroll, Immune Disease Institute and Harvard Medical School, Boston

10:05 am - 10:30 am  Coffee Break

**Immunoregulation II – Moderator: Keith Elkon**

10:30 am - 10:50 am  Therapeutic promotion of CTL in lupus: Application of preclinical results in the parent-into-F1 (P->F1) model to the NZB/W model of murine lupus  
Charles Via, Uniformed Services University of Health Sciences, Bethesda

10:50 am - 11:10 am  MHC class II is an FCRL6 ligand  
Randall Davis, Division of Hematology/Oncology, Department of Medicine, University of Alabama at Birmingham, Birmingham

11:10 am - 11:30 pm  Chromatin control of antiviral response  
Alexander Tarakhovsky, Rockefeller University, New York
(Saturday, April 25 cont’d)

11:30 pm - 11:50 pm The Interaction between Mesenchymal Stem Cells and the Immune System YuFang Shi*, Department of Molecular Genetics, Microbiology and Immunology, Robert Wood Johnson Medical School-University of Medicine and Dentistry of New Jersey, Piscataway

11:50 am Closing

* New members Henry Kunkel Society