

FINAL PROGRAM
Henry Kunkel Society Annual Meeting
Rockefeller University, New York
April 22-25, 2009

Wednesday, April 22

- 6:00 pm - 7:00 pm **Henry Kunkel Lecture**
*“Experimental approaches to resolve complex
posttranscriptional regulatory networks”*
(Casparry 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**
Entrance 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** (*Casparry 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
(1:15 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-associated C-type lectin receptors*** Edward Clark, University of Washington, Seattle
- 5:00 pm - 6:30 pm **Henry Kunkel Society Posters** (Abby Lounge) Wine

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)

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 TNF α 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- λ 1 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**
(Caspary 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 pre-clinical 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