



SCIENCE FOR THE BENEFIT OF HUMANITY

## THE HENRY KUNKEL SOCIETY ANNUAL MEETING:

Infectious Disease Susceptibility and the Expanding Universe of  
Primary Immunodeficiency

The Rockefeller University  
New York, NY  
April 17–20, 2013

# HENRY GEORGE KUNKEL

1916–1983

**H**enry Kunkel received his B.S. degree from Princeton and his M.D. degree from Johns Hopkins University. He arrived at The Rockefeller Institute (now University) in 1945 where he spent his entire scientific career until his death in 1983. His contributions to the field of basic and clinical immunology are legendary. He made numerous seminal observations in liver disease, rheumatic diseases and other allied disorders.

He was perhaps best known for his pioneering and extensive studies on the immunoglobulins. His recognition that myeloma proteins were a model for the study of the structure of normal immunoglobulins had a global impact on investigations of the structure, function and inheritance of these molecules. The elucidation of the chain structure of gamma globulin and the recognition that immunoglobulins possessed individual antigenic specificity (idiotypes) were internationally recognized discoveries.

Dr. Kunkel was the recipient of many awards and honors, including membership in the National Academy of Sciences, honorary degrees from Universities of Uppsala and Harvard, and recipient of the Lasker and Gairdner Awards and the Kovalenko Medal of the National Academy of Sciences.

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<sup>†</sup> New member

<sup>#</sup> Deceased

# PROGRAM

## WEDNESDAY, APRIL 17, 2013

- 3 p.m.  
Cohn Library                      Executive Committee Meeting
- 4 p.m.  
Cohn Library                      Council Meeting
- 6 p.m.  
Caspary Auditorium              Annual Henry Kunkel Society Lecture  
Daniel L. Kastner  
NIH Distinguished Investigator  
National Human Genome Research Institute, Bethesda, MD  
*In Search of Our Inner Zebras: Adventures in the Genomics of Inflammation*
- 7 p.m.  
Abby Aldrich Lounge              Cocktail Reception<sup>†</sup>
- 8 p.m.  
Abby Aldrich Dining Room        Henry Kunkel Society Annual Members Dinner<sup>†</sup>

<sup>†</sup>Cocktail reception and Dinner tickets must be purchased online with registration.

## THURSDAY, APRIL 18, 2013

- 8 a.m.  
Carson Family Auditorium       Welcoming Remarks  
Westley H. Reeves  
President, The Henry Kunkel Society  
University of Florida, Gainesville, FL
- 8:15–11:55 a.m.                      Session I  
*Innate Primary Immunodeficiency and Interferons*  
Co-chairs: Peggy Crow and Jean-Laurent Casanova
- 8:15 a.m.                              Sophie Hambleton (Invited Guest)  
Newcastle University, Newcastle upon Tyne, UK  
*Human STAT2 Deficiency*
- 8:45 a.m.                              Yanick Crow (Invited Guest)  
University of Manchester, Manchester, UK  
*Interferonopathies and Monogenic SLE*
- 9:15 a.m.                              Shen-Ying Zhang (Invited Guest)  
The Rockefeller University, New York, NY  
*Herpes Simplex Encephalitis: Who Is the Culprit?*
- 9:45 a.m.                              Jean-Laurent Casanova (Member)  
The Rockefeller University, New York, NY  
*A New Inborn Error in Interferon Immunity*
- 10:15 a.m.                              Coffee break
- 10:35 a.m.                              Michael C. Carroll (Member)  
Harvard Medical School, Boston, MA  
*Human Diseases Due to Deficiencies in Complement*

- 11:05 a.m. **John Atkinson (Member)**  
Washington University School of Medicine, St. Louis, MO  
*Too Much Alternative Pathway Activity Early and Late in Life: Atypical Hemolytic Uremic Syndrome and Age-related Macular Degeneration*
- 11:35 a.m. **Ariane Soldatos**  
National Institutes of Health, Bethesda, MD  
*Cryptogenic Progressive Neurodegeneration in Primary Immunodeficiencies: A Case of Cognitive Decline in a Patient with XLA and a Case of Bibrachial Amyotrophy in a Patient with STAT1 Mutation*
- 11:55 a.m. **Lunch**
- 11:55 a.m.  
Lower Level  
Greenberg Building (CRC) **Annual Henry Kunkel Society Members Meeting**
- 2–5 p.m.  
Carson Family Auditorium **Session II**  
*T-cell Primary Immunodeficiency*  
Chair: Cox Terhorst
- 2 p.m. **Luigi Notarangelo (Member)**  
Harvard Medical School, Boston, MA  
*Modeling Human Primary Immunodeficiencies with Induced Pluripotent Stem Cells*
- 2:30 p.m. **Jennifer Puck (Invited Guest)**  
University of California, San Francisco, CA  
*Neonatal Screening for Primary Immunodeficiencies*
- 3 p.m. **Joshua D. Milner (Invited Guest)**  
National Institute of Allergy and Infectious Diseases, Bethesda, MD  
*Inborn Errors Underlying Allergy*
- 3:30 p.m. **Coffee break**
- 3:50 p.m. **Stuart Tangye (Member)**  
Garvan Institute of Medical Research, Sydney, Australia  
*STAT3 Is a Critical Regulator of Immunological Memory*
- 4:20 p.m. **Juan Carlos Zúñiga-Pflücker (New Member)**  
University of Toronto, Toronto, Canada  
*Human T Cell Progenitors, from In Vitro Models to In Vivo Applications*
- 4:40 p.m. **David Schatz (New Member)**  
Yale University School of Medicine, New Haven, CT  
*Targeting of Somatic Hypermutation to Immunoglobulin Genes*

## FRIDAY, APRIL 19, 2013

- 8–10 a.m.  
Carson Family Auditorium      **Session III**  
*B Cells And Primary Immunodeficiency*  
Co-chairs: Ann Marshak-Rothstein and Joseph Craft
- 8 a.m.      **Lennart Hammarstrom (Invited Guest)**  
Karolinska Institutet, Stockholm, Sweden  
*LRBA Deficiency*
- 8:30 a.m.      **Mary Ellen Conley (Member)**  
University of Tennessee, Memphis, TN  
*Defects in B Cell Development: Breaking the Mold*
- 9 a.m.      **Mike Lenardo (Invited Guest)**  
National Institute of Health, Bethesda, MD  
*Role for Mg<sup>2+</sup> in Lymphocyte Signaling Revealed by XMEN Disease —  
A New Primary Immunodeficiency*
- 9:30 a.m.      **Frédéric Rieux-Laucat (Member)**  
Université Paris Descartes, Paris, France  
*Inborn Errors Underlying Auto-immunity*
- 10 a.m.      **Coffee break**
- 10:30 a.m.–12 p.m.  
Carson Family Auditorium      **Session IV**  
*B Cells and Primary Immunodeficiency (Part II)*  
Co-chairs: Ann Marshak-Rothstein and Joseph Craft
- 10:30 a.m.      **Carin Dahlberg**  
Karolinska Institutet, Stockholm, Sweden  
*WASp and N-WASp Regulate the Germinal Center Response and Production  
of Auto-antibodies*
- 10:50 a.m.      **Natarajan (Raj) Muthusamy (Member)**  
Ohio State University, Columbus, OH  
*CD37 Tetraspanin as a Therapeutic Target for B Cell Malignancies*
- 11:10 a.m.      **Ashish Jain (New Member)**  
National Institute of Allergy and Infectious Diseases, Bethesda, MD  
*A Dominantly Inherited Mutation in TWEAK Is Associated with Antibody Deficiency*
- 11:30 a.m.      **Falk Nimmerjahn (Member)**  
University of Erlangen-Nuremberg, Erlangen, Germany  
*Targeting B Cells in Scurfy Mice Ameliorates Systemic Autoimmune Disease*
- 12 p.m.      **Lunch**
- 2:20–4:50 p.m.  
Carson Family Auditorium      **Session V**  
*New Member Session*  
Co-chairs: Donald Capra and Vito Pistoia
- 2:20 p.m.      **David Wiest (New Member)**  
Fox Chase Cancer Center, Philadelphia, PA  
*A Novel, Regulatory Role in Hematopoiesis for Ribosomal Protein Rpl22  
and Its Paralog Like1*
- 2:40 p.m.      **Anna Erdei (New Member)**  
University L.Eotvos, Budapest, Hungary  
*Complement-bridging Innate and Adaptive Immunity*

- 3 p.m. **Erik Peterson (New Member)**  
University of Minnesota, Minneapolis, MN  
*Autoimmunity-associated PTPN22 Regulates Type 1 Interferon Production*
- 3:20 p.m. **Coffee break**
- 3:50 p.m. **Vito Pistoia (Member)**  
Istituto Giannina Gaslini, Genoa, Italy  
*Expression and Function of IL-17A and IL-25 Receptors in B Cell Malignancies of Germinal Center Origin*
- 4:20 p.m. **Charlotte Cunningham-Rundles (Member)**  
Mount Sinai School of Medicine, New York, NY  
*Update and New Themes in Common Variable Immune Deficiency*

## SATURDAY, APRIL 20, 2013

- 8–10 a.m. **Session VI**  
**Carson Family Auditorium** *Basic T-cell and APC Immunology*  
Co-chairs: Robert Lahita and Nicholas Chiorazzi
- 8 a.m. **Pierre Miossec (New Member)**  
Claude Bernard University Lyon, Lyon, France  
*Th1/Th17 Cytokine Interactions and TB Reactivation with TNF Inhibition*
- 8:20 a.m. **Thomas Waldmann (Member)**  
National Cancer Institute, Bethesda, MD  
*Janus Kinases: Targets for Immunotherapy*
- 8:40 a.m. **Lisa Westerber**  
Karolinska Institutet, Stockholm, Sweden  
*Skin Pathology in Wiskott-Aldrich Syndrome Mice Is Associated with Hyperactive CD8+ T Cells and Increased Cross-presentation by Dendritic Cells*
- 9 a.m. **Konstantina Alexandropoulos (New Member)**  
Mount Sinai Hospital, New York, NY  
*Medullary Thymic Epithelial Cell Depletion by Conditional Deletion of TRAF6 Leads to T Cell Mediated Inflammation and Development of Autoimmune Hepatitis*
- 9:20 a.m. **Jerry Boss (New Member)**  
Emory University School of Medicine, Atlanta, GA  
*Genetic and Epigenetic Regulation of T Cell Activation*
- 9:40 a.m. **H. Hugh Fudenberg (Member)**  
NeuroImmuno Therapeutics Research Foundation, Spartanburg, SC  
*Immunotherapy of Autism*
- 10 a.m. **Coffee break**
- 10:30–11:10 a.m. **Clinicopathological Conference (CPC)**
- 10:30 a.m. **Robert Lahita (Member)**  
Newark Beth Israel Medical Center, Newark, NJ  
*Case Presentation*
- 10:40 a.m. **Steven Holland (Member)**  
National Institute of Allergy and Infectious Diseases, Bethesda, MD  
*Adult-onset Immunodeficiency*

