



SCIENCE FOR THE BENEFIT OF HUMANITY

THE HENRY KUNKEL SOCIETY ANNUAL MEETING:

Human Immunology in Health and Disease

The Rockefeller University

New York, NY

April 3–5, 2014

HENRY GEORGE KUNKEL

1916–1983

Henry 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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[†] New member
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PROGRAM

THURSDAY, APRIL 3, 2014

4 p.m. Cohn Library	Council Meeting (Refreshments will be served)
4:30 p.m. CRC Lower Level (outside of Carson Family Auditorium)	Meeting Registration
6 p.m. Carson Family Auditorium	Annual Henry Kunkel Society Lecture Shigekazu Nagata Professor, Department of Medical Chemistry Kyoto University, Kyoto, Japan <i>Apoptosis and Engulfment of Dead Cells</i>
7 p.m. CRC Lower Level (outside of Carson Family Auditorium)	Cocktail Reception[†]

[†]*Cocktails tickets must be purchased in advance.*

FRIDAY, APRIL 4, 2014

7:15 a.m.–8:00 a.m. CRC Lower Level (outside of Carson Family Auditorium)	Continental Breakfast
8 a.m. Carson Family Auditorium	Welcoming Remarks Keith Elkon President, The Henry Kunkel Society University of Washington, Seattle, WA, USA
8:25 a.m.–10:25 a.m.	Session I: Tissue Immunity Co-Chairs: Ann Marshak-Rothstein and Westley Reeves
8:25 a.m.	Marco Colonna (Invited Speaker) Washington University School of Medicine, St. Louis, MO, USA <i>Innate Lymphoid Cells in Mucosal Immunity</i>
8:50 a.m.	Jay Kolls (Invited Speaker) University of Pittsburgh School of Medicine, Pittsburgh, PA, USA <i>Pulmonary T Cells</i>
9:15 a.m.	Philippe Gros (Invited Speaker) McGill University, Montreal, Canada <i>Gene Discovery in Neuroinflammation</i>
9:40 a.m.	Bana Jabri (Invited Speaker) The University of Chicago, Chicago, IL, USA <i>Tissue Immunity and IL-15</i>

10:05 a.m.	Arne N. Akbar (Member) University College London, London, UK <i>Early Defects in Cutaneous Immune Responses to Varicella Zoster Virus Challenge in Old Individuals</i>
10:25 a.m.	Coffee break
10:50 a.m.–12:25 p.m.	Session II: Inflammation and Human Disease Co-Chairs: Mary K. Crow and Gerald Nepom
10:50 a.m.	Virginia Pascual (Invited Speaker) Baylor Institute for Immunology Research, Dallas, TX, USA <i>Human Systemic Lupus Erythematosus (SLE)</i>
11:15 a.m.	Anthony Segal (Invited Speaker) University College London, London, UK <i>Crohn's is an Immunodeficiency Disease</i>
11:40 a.m.	Richard Phipps (Member) University of Rochester Medical Center, Rochester, NY, USA <i>Specialized Proresolving Lipid Mediators Enhance Antibody Responses: A New Class of Adjuvant?</i>
12:05 p.m.	Joshua Milner (New Member) National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA <i>Insights into Allergic Pathways from the Discovery and Study of Congenital Diseases of Atopy</i>
12:25 p.m.	Lunch <i>(HKS Member Lunch will be held in the Cohn Library)</i>
1:30 p.m.–3 p.m.	Session III: Host-Pathogen Interactions Co-Chairs: Douglas F. Nixon and Lewis Lanier
1:30 p.m.	Lewis Lanier (Invited Speaker) University of California, San Francisco, CA, USA <i>Human Natural Killer Cell Responses to Herpesviruses</i>
1:55 p.m.	Michel Nussenzweig (Invited Speaker) The Rockefeller University, New York, NY, USA <i>Neutralizing Antibodies Against HIV</i>
2:20 p.m.	Kenneth Tyler (New Member) University of Colorado School of Medicine, Denver, Aurora, CO, USA <i>Experimental Approaches for Studying Pathogenesis of Viral CNS Infections</i>
2:40 p.m.	Eric J. Allenspach (Non-Member Selected Speaker) University of Washington and Seattle Children's Research Institute, Seattle, WA, USA <i>Human Intrauterine Fetal Autoimmunity Occurring with Defective Fetal Regulatory T Cells</i>
3 p.m.	Break
3:50 p.m.–5 p.m.	Session IV: New Frontiers Co-Chairs: J. Donald Capra and Mark Davis
3:50 p.m.	Lluís Quintana-Murci (Invited Speaker/New Member) Institut Pasteur, Paris, France <i>Population Genetic Tools for Dissecting Human Immunology</i>

4:15 p.m. **Mark Davis (Invited Speaker)**
Stanford University School of Medicine, Stanford, CA, USA
Systems Immunology — Progress and Prospects

4:40 p.m. **Yuval Itan (Non-Member Selected Speaker)**
The Rockefeller University, New York, NY, USA
Cohort-wide Automated Identification of Morbid Alleles with the Human Gene Connectome

6:00 p.m. **Dinner[†]**
Morso Restaurant 420 E. 59th Street (between York Ave & First Ave.)

[†]*Dinner tickets must be purchased in advance.*

SATURDAY, APRIL 5, 2014

7:15 a.m.–8:00 a.m. **Continental Breakfast**
CRC Lower Level
(outside of Carson Family Auditorium)

8 a.m.–9:30 a.m. **Session V: Lymphocyte Biology**
Carson Family Auditorium
Co-Chairs: Edward A. Clark and Michael P. Cancro

8 a.m. **Jean-Claude Weill (Invited Speaker)**
INSERM, Paris, France
Human Marginal Zone B Cells

8:25 a.m. **Yenan Bryceson (Invited Speaker)**
Karolinska Institutet, Stockholm, Sweden
Regulation of Lymphocyte Cytotoxicity

8:50 a.m. **Michel Cogné (New Member)**
Limoges University, CNRS, Limoges, France
B Cells Switching to Deadly Paths

9:10 a.m. **Francesco Forconi (New Member)**
University of Southampton, Southampton, UK
Intraclonal Variability in B-cell Receptor Function Reveals Potentially Dangerous but Targetable Cells within Cases of Chronic Lymphocytic Leukemia

9:30 a.m. **Break**

9:50 a.m.–11:20 a.m. **Session VI: Immune Cell Subsets**
Co-Chairs: Thomas Brocker and Edit Buzás

9:50 a.m. **Federica Sallusto (Invited Speaker)**
Institute for Research in Biomedicine, Bellinzona, Switzerland
Class and Specificity of the Human T Cell Response in Health and Disease

10:15 a.m. **Yong-Jun Liu (Invited Speaker)**
Baylor Institute for Immunology Research Dallas, TX, USA
Human Dendritic Cells

10:40 a.m. **Rachael Clark (New Member)**
Harvard Medical School, Boston, MA, USA
Human Tissue Resident T Cells: Immunity When and Where You Need It

11 a.m. **Sun Jung Kim (Non-Member Selected Speaker)**
The Feinstein Institute for Medical Research, Manhasset, NY, USA
Role of Blimp-1 Expression in Dendritic Cells in Autoreactive T Cell Receptor Repertoire

11:20 a.m.–12:20 p.m.

11:20 a.m.

11:40 a.m.

12 p.m.

12:20 p.m.

12:40 p.m.
Cohn Library

[†]*Registration required.*

Session VII: Immunotherapy

Co-Chairs: Jane E. Salmon and Mikael Karlsson

David Spaner (New Member)

University of Toronto, Toronto, ON

A Candidate Lipid Inhibitor of Toll-like Receptor Signaling in Leukemia

Edit Buzás (New Member)

Semmelweis University, Budapest, Hungary

Extracellular Vesicles in Inflammation

Hugh Rosen (New Member)

The Scripps Research Institute, La Jolla, CA, USA

From R01 to Phase 3: Mechanisms and Molecules in S1P Receptor Therapeutics

Final Meeting Announcements

Postdoctoral Fellow/Junior Faculty Lunch with HKS Investigators[†]

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