



**2016 ANNUAL HENRY KUNKEL SOCIETY MEETING IN
PARTNERSHIP WITH THE JOURNAL OF EXPERIMENTAL MEDICINE**

Monocytes, macrophages, and dendritic cells: physiology and pathology

**The Rockefeller University
New York, NY
April 7-9, 2016**

**Program Chairman: Frédéric Geissmann
Henry Kunkel Society President: Jean-Laurent Casanova**

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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Henry Kunkel Society Lecturers

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PROGRAM

THURSDAY, APRIL 7, 2016

Carson Family Auditorium

- 2:00 p.m. **Welcoming Remarks**
Jean-Laurent Casanova, HKS & JEM
- 2:05 p.m. – 4:35 p.m. **Session I: Genetic diseases of myeloid cells (I)**
Chair: David Tuveson, JEM
- 2:05 p.m. **Ross L. Levine**
Memorial Sloan Kettering Cancer Center, New York, NY, USA
Genetics and therapy of myeloid malignancies
- 2:35 p.m. **Barrett J. Rollins**
Dana–Farber Cancer Institute, Boston, MA, USA
Genetics of Langerhans cell histiocytosis
- 3:05 p.m. **Jean Donadieu**
AP-HP Hopital Trousseau, Paris, France
Langerhans cell histiocytosis – epidemiology, therapy and natural history in molecular medicine era
- 3:35 p.m. **Harris Perlman**
Robert H. Lurie Comprehensive Cancer Center, Northwestern University, Chicago, IL, USA
Monocytes in rheumatoid arthritis
- 4:05 p.m. **Tim Cox**
University of Cambridge, Cambridge, UK
Therapeutic opportunities in Gaucher disease: Cooling the alembic of Hell
- 4:35 p.m. ***Coffee break***
- 5:00 p.m. **Introduction for Kunkel Lecturer**
Jean-Laurent Casanova, HKS & JEM
- Michel Nussenzweig**
Annual Henry Kunkel Society Lecture
The Rockefeller University & Howard Hughes Medical Institute, New York, NY, USA
- 6:00 p.m. ***Reception (for purchase)***

FRIDAY, APRIL 8, 2016

Carson Family Auditorium

- 9:00 – 10:00 a.m. **Session II: Genetic diseases of myeloid cells (II)**
Chair: Douglas Fearon, JEM
- 9:00 a.m. **Steven Holland**
National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA
GATA 2 deficiency
- 9:30 a.m. **Omar Abdel-Wahab**
Memorial Sloan Kettering Cancer Center, New York, NY, USA
Genetics and therapy on systemic histiocytoses
- 10:00 a.m. ***Coffee break***

10:30 a.m. – 2:30 p.m.	<i>Session III: Developments of myeloid cells</i> Chair: Alejo Chorny, JEM
10:30 a.m.	Elaine Dzierzak University of Edinburgh, Edinburgh, UK Hematopoietic stem cell development and diversity
11:00 a.m.	Jim Palis University of Rochester Medical Center, Rochester, NY, USA HSC-independent hematopoiesis
11:30 a.m.	Elisa Gomez Perdiguero Pasteur Institute, Paris, France Developmental origin of macrophages
12:00 p.m.	<i>Lunch</i>
1:30 p.m.	Ken Murphy Washington University School of Medicine, St. Louis, MO, USA Diversity of dendritic cells
2:00 p.m.	Frederic Geissmann Memorial Sloan Kettering Cancer Center, New York, NY, USA The architecture of a layered myeloid system
2:30 p.m. – 5:00 p.m.	<i>Session IV: Immunobiology of myeloid cells (I)</i> Chair: Alexander Tarakhovsky, JEM
2:30 p.m.	Siamon Gordon University of Oxford, Oxford, UK Macrophage activation, fusion and function
3:00 p.m.	Jacques Banchereau The Jackson Laboratory, Hartford, CT, USA Dendritic cell subsets, T cell subsets and vaccines
3:30 p.m.	<i>Coffee break</i>
4:00 p.m.	Boris Reizis New York University Langone Medical Center, New York, NY, USA Dendritic cells in systemic lupus erythematosus
4:30 p.m.	Kang Liu Columbia University, New York, NY, USA Remapping human dendritic cell lineage in health and myeloid neoplasm using clonal analysis
5:00 p.m.	Claudia Waskow Dresden University of Technology, Dresden, Germany Regulation of the dendritic cell pool size by the microenvironment
6:00 p.m.	<i>Dinner (for purchase)</i>

SATURDAY, APRIL 9, 2016

Carson Family Auditorium

- 9:00 a.m. – 11:30 a.m. **Session V: Cell biology of myeloid cells**
Chair: Thiago Carvalho, JEM
- 9:00 a.m. **Chris Glass**
University of California, San Diego, La Jolla, CA, USA
Genetic and genomic approaches to understanding macrophage identity and function
- 9:30 a.m. **Stephen Smale**
University of California, Los Angeles, CA, USA
Selective transcriptional cascades induced by inflammatory stimuli
- 10:00 a.m. **Julie Magarian Blander**
Icahn School of Medicine at Mount Sinai, New York, NY, USA
Different phagocytes sample apoptotic cells *in situ* to orchestrate tissue homeostasis
- 10:30 a.m. ***Coffee Break***
- 11:00 a.m. **Marco Colonna**
Washington University School of Medicine, St. Louis, MO, USA
Functions of TREMs on macrophages
- 11:30 a.m. – 3:00 p.m. **Session VI: Immunobiology of myeloid cells (II)**
Chair: Frédéric Geissmann, HKS
- 11:30 a.m. **Virginia Pascual**
Baylor Institute for Immunology Research, Dallas, TX, USA
The innate side of human Lupus
- 12:00 p.m. **Emil Unanue**
Washington University School of Medicine, St. Louis, MO, USA
The key role of islet phagocytes in the initiation of autoimmune diabetes
- 12:30 p.m. ***Lunch***
- 2:00 p.m. **Xiaofei Kong**
The Rockefeller University, New York, NY, USA
Human mDC1 deficiency and susceptibility to mycobacterial disease
- 2:30 p.m. **Irving Weissman**
Stanford University School of Medicine, Stanford, CA, USA
Normal and neoplastic stem cells

A special thank you to our meeting sponsor



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