

25TH ANNUAL HENRY KUNKEL SOCIETY MEETING
IN PARTNERSHIP WITH *THE JOURNAL OF EXPERIMENTAL MEDICINE*
Human Immunology and Primary Immunodeficiencies
Chairman: Stuart Tangye; President: Jean-Laurent Casanova
The Rockefeller University, New York, NY
March 30 – April 1, 2017

PROGRAM

THURSDAY, MARCH 30, 2017

Carson Family Auditorium

- 2:00 p.m. **Welcoming Remarks**
 Jean-Laurent Casanova
- 2:10 p.m. – 4:15 p.m. **Session I: New Insights into PIDs**
 Co-Chairs: Lewis Lanier & Anne O'Garra, JEM Academic Editors
- 2:10 p.m. **Alain Fischer**
 Collège de France, Institute Imagine, & Necker Hospital for Sick Children, Paris, France
 A study of redundancy within the immune system in man
- 2:35 p.m. **Lennart Hammarström**
 Karolinska University, Hospital Huddinge, Solna, Sweden
 Genetics of IgA deficiency
- 3:00 p.m. **Luigi Notarangelo**
 National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA
 Patient-derived induced pluripotent stem cells unravel mechanisms of novel forms of SCID
- 3:25 p.m. **Anne Puel**
 INSERM U1163, Imagine Institute, Paris Descartes University, Paris, France
 Novel inborn errors of immunity and chronic mucocutaneous candidiasis
- 3:50 p.m. **Joshua Milner**
 National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA
 Lessons from novel monogenic disorders associated with allergy
- 4:15 p.m. ***Afternoon Break until 4:45 p.m.***
- 5:00 p.m. **Introduction for Kunkel Lecturer**
 Jean-Laurent Casanova
- Carl Nathan**
 Annual Henry Kunkel Society Lecture
 Weill Cornell Medical College, New York, NY, USA
 Fundamental immunodeficiency and its correction
- 6:00 p.m. ***Cocktail Reception outside of Carson Family Auditorium (for purchase)***

FRIDAY, MARCH 31, 2017

Carson Family Auditorium

- 9:00 a.m. – 10:15 a.m. **Session II: Human Immune Cells and Responses (Part 1)**

Chair: Alexander Rudensky, JEM Academic Editor

- 9:00 a.m. **Mark Davis**
Howard Hughes Medical Institute, Stanford University School of Medicine, Stanford, CA, USA
Nature, nurture and the T cell receptor repertoire
- 9:25 a.m. **Jim Di Santo**
INSERM U1223, Institut Pasteur, Paris, France
Transcriptional control of human innate lymphoid cells differentiation
- 9:50 a.m. **Donna Farber**
Columbia University Medical Center New York, NY, USA
Human immunity in space and time
- 10:15 a.m. ***Morning Break until 10:45 a.m.***
- 10:45 a.m. – 12:00 p.m. **Session III: Human Immune Cells and Responses (Part 2)**
Chair: Alejo Chorny, JEM Senior Scientific Editor
- 10:45 a.m. **Federica Sallusto**
Institute for Research in Biomedicine, Bellinzona, Switzerland
Autoreactive T cells in neurological disorders
- 11:10 a.m. **Rafi Ahmed**
Emory Vaccine Center, Emory University, Atlanta, GA, USA
Human memory CD8 T cell differentiation
- 11:35 a.m. **Gennaro De Libero**
University Hospital, Basel, Switzerland
Diverse functions of MR1-restricted T cells
- 12:00 p.m. ***Lunch until 1:30 p.m.***
- 1:30 p.m. – 2:45 p.m. **Session IV: Novel Primary Immunodeficiencies**
Chair: Teo Pulvirenti, JEM Executive Editor
- 1:30 p.m. **Jean-Pierre de Villartay**
INSERM U1163, Imagine Institute, Paris Descartes University, Paris, France
DNA double strand breaks in the immune system: A dangerous game
- 1:55 p.m. **Helen Su**
National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA
Virus susceptibility in a primary human immunodeficiency
- 2:20 p.m. **Kaan Boztug**
Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria
Novel combined immunodeficiencies enable targeted treatment strategies
- 2:45 p.m. **Shen-Ying Zhang**
The Rockefeller University, New York, NY, USA
New human genetic etiologies of childhood viral encephalitis
- 3:10 p.m. ***Afternoon Break until 4:00 p.m.***
- 4:00 p.m.- 5:40 p.m. **Session V: Immune Dysregulation**

Chair: Emmanuelle Passegué, JEM Academic Editor

- 4:00 p.m. **Maria Grazia Roncarolo**
Stanford University School of Medicine, Stanford, CA, USA
Immunodeficiency disorders due to T regulatory cell dysfunction: From diagnosis to cure
- 4:25 p.m. **Yanick Crow**
University of Manchester, Manchester, England
Type I interferonopathies – updated
- 4:50 p.m. **Carola Vinuesa**
John Curtin School Medical Research, Australian National University, Acton, Australia
Rare gene variants that cause complex autoimmunity in humans
- 5:15 p.m. **Michael Jordan**
Cincinnati Children's Hospital, Cincinnati, OH, USA
Immune regulatory disorders
- 6:30 p.m. **Dinner** (for purchase; location TBD)

SATURDAY, APRIL 1, 2017

Carson Family Auditorium

- 9:00 a.m. – 10:40 a.m. **Session VI: Cellular defects underlying disease pathogenesis in PIDs (Part 1)**
Chair: Bill Muller, JEM Academic Editor
- 9:00 a.m. **Jordan Orange**
Baylor College of Medicine, Houston, TX, USA
Explorations into human NK cell deficiency
- 9:25 a.m. **Klaus Warnatz**
Center for Chronic Immunodeficiency, University Medical Center Freiburg, Freiburg, Germany
Chronic excitement fizzles out – More is less
- 9:50 a.m. **Isabelle Meyts**
University of Leuven, Leuven, Belgium
STAT2 deficiency: when live measles vaccine kills
- 10:15 a.m. **Morning Break until 10:50 a.m.**
- 10:50 a.m. – 12:05 p.m. **Session VII: Cellular defects underlying disease pathogenesis in PIDs (Part 2)**
Chair: Thiago Carvalho, JEM Senior Scientific Editor
- 10:50 a.m. **Stuart Tangye (Program Chair)**
Garvan Institute of Medical Research, Darlinghurst, Australia
Intrinsic B cell defects underlying impaired humoral immunity in primary immunodeficiencies
- 11:15 a.m. **Eric Vivier**
Centre d'Immunologie de Marseille-Luminy, Marseilles, France
Complementarity and redundancy of innate lymphoid cells
- 11:40 a.m. **Megan Cooper**
Washington University School of Medicine, St. Louis, MO, USA
Immune dysregulation associated with STAT3 gain-of-function

- 12:05 p.m. ***Lunch until 1:05 p.m.***
- 1:05 p.m. – 2:20 p.m. ***Session VIII: Therapies/Vaccine (Part 1)***
Chair: Doug Fearon, JEM Academic Editor
- 1:05 p.m. **Polina Stepensky**
Hadassah Hebrew University Medical Center, Jerusalem, Israel
Unraveling novel immune deficiency syndromes: Pathways from patients to bench to bone marrow transplantation
- 1:30 p.m. **Bill Schief**
The Scripps Research Institute, La Jolla, CA, USA
Germline-targeting vaccine strategies for HIV
- 1:55 p.m. **Antonio Lanzavecchia**
Institute for Research in Biomedicine, Bellinzona, Switzerland
Antibody diversification by DNA transposition
- 2:20 p.m. ***Afternoon Break until 3:05 p.m.***
- 3:05 p.m. – 3:55 p.m. ***Session IX: Therapies/Vaccine (Part 2)***
Chair: Zhe Wang, JEM Scientific Editor
- 3:05 p.m. **Helen Heslop**
Baylor College of Medicine, Houston, TX, USA
Immunotherapy with antigen specific T cells
- 3:30 p.m. **Bali Pulendran**
Emory Vaccine Center, Emory University, Atlanta, GA, USA
Systems vaccinology: probing the human immune system with vaccines
- 3:55 p.m. **Closing Remarks**
Jean-Laurent Casanova