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 I)
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, Darlington, 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