

PROGRAM

THURSDAY, MARCH 21, 2019

- 1:00 p.m. **Welcoming Remarks**
Jean-Laurent Casanova
- 1:05 p.m. - 3:35 p.m. ***Session I: Immune system development and function in health and disease***
- 1:05 p.m. **Federica Sallusto**
IRB, Università della Svizzera Italiana, Bellinzona, Switzerland
The development of human Th cells
- 1:35 p.m. **Stuart Tangye**
Garvan Institute of Medical Research, Sydney, Australia
Learning human immunology from the study of PIDs- CIRCA 2019
- 2:05 p.m. **Rafi Ahmed**
Emory University, Atlanta, GA, USA
Harnessing T cell memory and effector function
- 2:35 p.m. **Christopher Benoist**
Harvard Medical School, Boston, MA, USA
Errors of tolerance
- 3:05 p.m. **Pamela Schwartzberg**
National Institutes of Health, Bethesda, MD, USA
Cell-autonomous and cell-extrinsic mechanisms of immune dysregulation in APDS Insights from mice
- 3:35 p.m. ***Afternoon break until 4:00 p.m.***
- 4:00 p.m.- 5:30 p.m. ***Session II: Modeling human disease with induced pluripotent stem cells***
- 4:00 p.m. **Rudolf Jaenisch**
MIT, Cambridge, MA, USA
Human stem cell and disease modeling
- 4:30 p.m. **Vittorio Sebastiano**
Stanford University, Stanford, CA, USA
Unraveling faulty thymic development of DiGeorge syndrome with patient-derived iPS cells
- 5:00 p.m. **Gregory Smith**
Northwestern University Feinberg School of Medicine, Chicago, IL, USA
Cellular mechanisms of faulty control of HSV in herpes simplex encephalitis: A virology view with iPS-derived neurons
- 5:30 p.m. **Frederic Geissmann**
Memorial Sloan Kettering Cancer Center, New York, NY, USA
Efferocytosis Deficiency in Familial Lupus
- 6:00 p.m. ***Cocktail Reception (for purchase)***

FRIDAY, MARCH 22, 2019

- 8:00 a.m. – 9:00 a.m. **Breakfast**
- 9:00 a.m. – 3:00 p.m. **Session III: Novel inborn errors of immunity**
- 9:00 a.m. **Helen Su**
National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD, USA
Elucidating the molecular pathogenesis of a novel immunodeficiency- immunodysregulation disease
- 9:30 a.m. **Carrie Lucas**
Yale School of Medicine, New Haven, CT, USA
A new PI3K gene defect with immunodeficiency and tissue immunopathology
- 10:00 a.m. **Morning break until 10:30 a.m.**
- 10:30 a.m. **Richard Cornall**
MRC Human Immunology Unit, University of Oxford, Oxford, UK
Modelling a new B cell immunodeficiency syndrome
- 11:00 a.m. **Luigi D. Notarangelo**
National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD, USA
A novel and unexpected cause of SCID
- 11:30 a.m. **Nada Jabado**
McGill University, Montreal, Canada
Unleashing the immune system: an experiment of nature highlights TIM3 inhibitory function
- 12:00 p.m. **Lunch until 1:30 p.m.**
- 1:30 p.m. **Jean-Laurent Casanova**
Rockefeller University & Howard Hughes Medical Institute, New York, NY, USA
Severe infections as inborn errors of immunity
- 2:00 p.m. **Stephanie Boisson-Dupuis**
Necker Hospital for Sick Children, Paris, France
A monogenic and common cause of human tuberculosis
- 2:30 p.m. **Carola Vinuesa**
Australian National University, Canberra, Australia
Monogenic forms of SLE
- 3:00 p.m. **Afternoon break until 3:45 p.m.**
- 3:45 p.m. **Introduction for Kunkel Lecturer**
Jean-Laurent Casanova
- Alain Fischer**
Collège de France, Paris, France
Annual Henry Kunkel Society Lecture
Twenty years of gene therapy for children with SCID
- 5:30 p.m. **Dinner (for purchase)**

SATURDAY, MARCH 23, 2019

- 8:00 a.m. – 9:00 a.m. **Breakfast**
- 9:00 a.m. – 10:00 a.m. **Session IV: Systems Biology and single-cell genomics**
- 9:00 a.m. **Mark Davis**
Stanford University School of Medicine, Stanford, CA, USA
Systems biology approaches for the study of human immunology
- 9:30 a.m. **Alexandra-Chloé Villani**
Massachusetts General Hospital, Boston, MA, USA
The power of ONE: solving biomedical challenges through single cell genomics approaches
- 10:00 a.m. – 12:00 p.m. **Session V: Novel therapeutic approaches**
- 10:00 a.m. **Juan Carlos Zúñiga-Pflücker**
University of Toronto, Toronto, Canada
Speeding up immune reconstitution with in vitro generation of human pro-T cell in a cell-free system
- 10:30 a.m. **Morning break until 11:00 a.m.**
- 11:00 a.m. **Judy Shizuru**
Stanford University, Palo Alto, CA, USA
Novel approaches to open the stem cell niche: in vivo experience in SCID children
- 11:30 a.m. **Matthew Porteus**
Stanford University School of Medicine, Stanford, CA, USA
Genome editing for the treatment of genetic diseases of the blood and immune system
- 12:00 p.m. **Closing remarks**
Jean-Laurent Casanova