

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**
The development of human Th cells
- 1:35 p.m. **Stuart Tangye**
Learning human immunology from the study of PIDs- CIRCA 2019
- 2:05 p.m. **Rafi Ahmed**
Harnessing T cell memory and effector function
- 2:35 p.m. **Christopher Benoist**
Errors of tolerance
- 3:05 p.m. **Pamela Schwartzberg**
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.- 5:00 p.m. ***Session II: Modeling human disease with induced pluripotent stem cells***
- 4:00 p.m. **Rudolph Jaenisch**
Human stem cell and disease modeling
- 4:30 p.m. **Vittorio Sebastiano**
Unraveling faulty thymic development of DiGeorge syndrome with patient-derived iPS cells
- 5:00 p.m. **Gregory Smith**
Cellular mechanisms of faulty control of HSV in herpes simplex encephalitis: A virology view with iPS-derived neurons
- 5:30 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**
Elucidating the molecular pathogenesis of a novel immunodeficiency-immunodysregulation disease
- 9:30 a.m. **Carrie Lucas**
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**
Modelling a new B cell immunodeficiency syndrome
- 11:00 a.m. **Luigi D. Notarangelo**
A novel and unexpected cause of SCID
- 11:30 a.m. **Nada Jabado**
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**
Severe infections as inborn errors of immunity
- 2:00 p.m. **Stephanie Boisson-Dupuis**
A monogenic and common cause of human tuberculosis
- 2:30 p.m. **Carola Vinuesa**
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**

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**
Systems biology approaches for the study of human immunology

9:30 a.m. **Alexandra-Chloé Villani**
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 Zuniga-Pflucker**
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**
Novel approaches to open the stem cell niche: in vivo experience in SCID children

11:30 a.m. **Matthew Porteus**
Genome editing for the treatment of genetic diseases of the blood and immune system

12:00 p.m. **Closing remarks**
Jean-Laurent Casanova