Scientific Program

Thursday February 27th
École Normale Supérieure - Gerland - Charles Mérieux Auditorium

8:00
Arrival

8:30
Welcome & Introduction

8:45
Stanley PLOTKIN (University of Pennsylvania) - Opening lecture

9:30
Session 1 - Context: promises, gaps and challenges of a global health approach to tackle emerging/re-emerging infectious diseases

- Kathryn EDWARDS (Vanderbilt University) - Global impact of vaccines: successes and challenges
- James A. ROTH (Iowa State University) - Prevention and control of animal infectious diseases that threaten global food security and public health

11:00
Coffee break

11:30
Session 2 - Innovations in basic and applied vaccine research for an improved understanding of vaccine/adjuvant mode of action and standardized design & production

- Penny HEATON (Gates MRI) - The translational challenges of vaccine development
- Andrew J. POLLARD (Oxford University) - Deliberate infection with typhoid for good

12:30
Lunch
14:00
Session 2, cont. - Innovations in basic and applied vaccine research for an improved understanding of vaccine / adjuvant mode of action and standardized design & production

- Margaret ACKERMAN (Dartmouth College) - Systems serology and new standardized ways to predict vaccine efficacy development
- Barney GRAHAM (NIAID) - Precision vaccinology through structure-guided protein engineering

15:00
Roundtable - “Technological innovations in vaccine development: an industrial outlook”
Chair: Nathalie GARÇON (BIOASTER)
Participants: Matthew BOTTOMLEY (GSK), Lidia OOSTVOGELS (CureVac), Monica BALASCH (Zoetis), Sangheetta SAGAR (Sanofi Pasteur)

16:30
Coffee break

17:00
Session 3 - Novel approaches to anticipate pandemics and improve the design, implementation and efficacy assessment of vaccine field studies

- Ira LONGINI (University of Florida) - Reactive vaccination strategies to contain global and emerging infectious threats
- John EDMUNDS (London School of Tropical Hygiene & Medicine) - Real-time modelling and outbreak response
- Ruben DONIS (BARDA) - Molecular epidemiology of influenza pandemics: implications for preparedness and response
- Lone SIMONSEN (Roskilde University) - Pandemics of the past, present and future

19:00
End of Day 1 - Bus leaves for Reception at Musée Gallo-Romain
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8:30  Session 4 - Holistic and networks approaches to prevent infections

- Cristina CASETTI (NIAID) - Lessons learned from Zika and Ebola and current preparedness and response research efforts
- Ivana KNEZEVIC (WHO) - Standardization of vaccines for public health emergencies: WHO initiative
- Pierre MEULIEN (Innovative Medicine Initiative) - Addressing challenges in vaccine development through Public-Private Partnerships

10:00  Coffee break

10:30  Roundtable - “Examples of networks to address transdisciplinary issues related to infectious disease prevention and vaccine development”

Chair: Ivo CLAASSEN (EMA)
Participants: Jean-Christophe AUDONNET (ZAPI), Melanie SAVILLE (CEPI), Ole OLESEN (EVI), Glen GIFFORD (OIE), Emmanuelle SOUBEYRAN (VetAgroSup)

12:00  Lunch

13:30  Session 5 - Sustainable approaches based on pharmaco-economical considerations

- Grace CHEE (R4D) - Sustainable immunization financing in low and middle income countries
• **Mark FEINBERG (IAVI)** - Evolving partnership models to enable the development and availability of vaccines and biologics targeting global health threats

• **Joseph Patrick SEVILLA (Harvard University)** - The full health, economic, and social benefits of vaccination

**Roundtable** - "Socio-economical issues linked to vaccine development"

Chair: **Stanley PLOTKIN (University of Pennsylvania)**
Participants: **Penny HEATON (Gates MRI)**, **Thomas BREUER (GSK)**, **Michael MAKANGA (EDTCP)**, **Els TORREELE (MSF)**

16:30 **End of meeting**