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# Scientific Program

Thursday February 27<sup>th</sup>

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), Sangheeta 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**



Friday February 28<sup>th</sup>

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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 pharmacoeconomical 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

15:00

**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**