

4th One Health Course

 $4^{th} - 20^{th}$ of April 2016



Emerging infectious diseases are due to microorganisms residing in animal reservoirs and having epidemic or epizootic potential when transmitted to humans or livestock. Transmission occurs either directly or through arthropod vectors. Emergence of new pathogens is linked to ecological and environmental conditions depending on the impact of human activities on ecosystems (intensive agriculture, urbanization, deforestation, global trade, travels, climate change). The 4th One Health course will provide an overview of different disciplines contributing to the One Health concept and will point to strategies to detect, identify and control pathogens during outbreaks.











Topics:

Disease ecology Climate change Human pandemics Principles of disease emergence Dynamics of pathogen evolution Viral or bacterial zoonoses; Barriers to cross-species transmission Arthropod transmission Risk assessment and ethics Innate immunity Prevention and treatment Future developments

Practical: field work; initiation to different high throughput techniques' (sequencing, microarray...); database searching and analysis













Lectures by world renowned experts:

Ahidjo AYOUBA, Montpellier, France Guillaume CASTEL, Montpellier, France Bruno CHOMEL, Davis, USA Felix DREXLER, Bonn, Germany Marc ELOIT, Paris, France Anna-Bella FAILLOUX, Paris, France José DE LA FUENTE, Cdd Real, Spain Ron FOUCHIER, Rotterdam, The Netherlands Antoine GESSAIN. Paris. France

Christian GORTAZAR, Cdd Real, Spain Karine LAROUCO, Maisons-Alfort, France Fredéric KECK, Paris, France Thijs KUIKEN, Rotterdam, The Netherlands Philippe LEMERCIER, Geneva, Switzerland Jean-Yves MADEC, Lyon, France Jean-Claude MANUGUERRA, Paris, France Serge MORAND, Ventiane, Laos Sara MOUTAILLIER, Maisons-Alfort, France

Marcel MÜLLER, Bonn, Germany Nicole PAVIO, Maisons-Alfort, France Jon RICHMOND, Saint Andrew, UK Amadou SALL, Dakar, Senegal Marco VIGNUZZI, Paris, France Damien VITOUR, Maisons-Alfort, France Stephan ZIENTARA, Maisons-Alfort, France Jakob ZINSSTAG, ,Bassel, Switzerland Hub ZWART, Nijmegen, The Netherlands

to be extended













Course details:

Goal: to equip the next generation of scientists with the holistic view required to deal with emerging infection Target audience: graduates from any disciplines related to One Health.

Time and place: 4th to 20th of April 2016 at Institut Pasteur, Paris, France and Anses, Ecole Vétérinaire, Maisons-Alfort, France Deadline for application: 1st of December 2015

Registration fees including accommodation: 200 Euros for Antigone and Predemics participants, 400 Euros for others.

Support travel for Antigone/Predemics members.

Registration site: www.pasteur.fr/fr/education/workshops/4th-one-health-course



