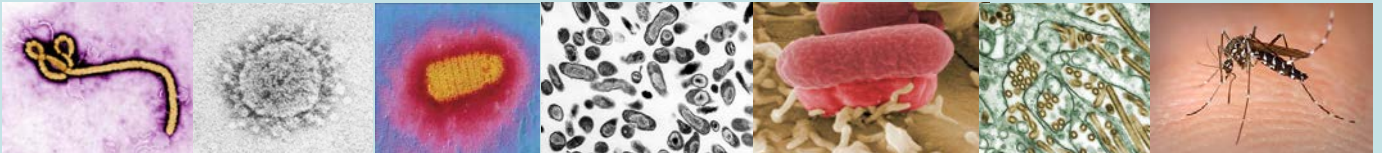


4th One Health Course

4th – 20th 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, Basel, 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