



European Network for Neglected Vectors and  
Vector-Borne Infections



## Newsletter October 2015

It will be of interest to the EurNegVec network that the EDENext group has just published a book entitled '**EDEN & EDENext: The impact of a decade of research (2004-2015) on vector-borne diseases** (R. Lancelot, S. Laurens, A. Lewer, eds)' which summarises results of the two European projects, EDEN and EDENext. Many of our members contributed to this publication which is available [here](#).

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### News about the **Pathobiome Initiative**:

The realisation that specific microbial communities are crucial for maintaining a healthy state while significant shifts in the composition can be associated with disease, has called into question many of the methods traditionally used for determining disease agents. New metagenomics technologies facilitate the characterization of the normal microbiome of a given host organism as well as the pathobiome which is associated with disease.

The pathobiome initiative is a collaboration of several laboratories which aims to investigate ecological and evolutionary aspects of microbial communities associated with animal, plant, human hosts and arthropod vectors and changes in the microbiome that may result in diseases.

If you have questions about this group and the scientific actions that are currently in progress, please contact Muriel Vayssier-Taussat under [mveyssier@vet-alfort.fr](mailto:mveyssier@vet-alfort.fr). You can follow the group on twitter: @gr\_pathobiome

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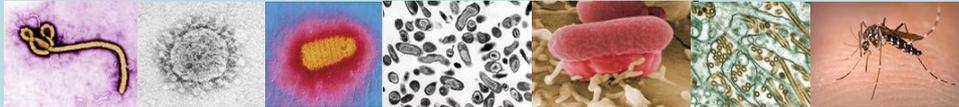
Some members forwarded **details of publications** in which our COST action is acknowledged. The list can be downloaded [here](#).

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### UPCOMING CONFERENCES AND MEETINGS

A 'One Health Course' directed at graduates from all disciplines related to 'One Health' will be held at the Institute Pasteur, Paris and Anses, Ecole Vétérinaire, Maisons- Alfort, France from 4<sup>th</sup> to 20<sup>th</sup> April 2016. Deadline for applications is 1<sup>st</sup> December 2015 (please see leaflet below)

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 4<sup>th</sup> 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:

Aidjo AYOUBA, Montpellier, France  
Guillaume CASTEL, Montpellier, France  
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  
Fredéric KECK, Paris, France  
Thijs KUIKEN, Rotterdam, The Netherlands  
Philippe LEMERCIER, Geneva, Switzerland  
Marcel MÜLLER, Bonn, Germany  
Jean-Claude MANUGUERRA, Paris, France  
Serge MORAND, Montpellier, France  
Sara MOUTAILLIER, Maisons-Alfort, France

Jon RICHMOND, United Kingdom  
Amadou SALL, Dakar, Sénégal  
Marco VIGNUZZI, Paris, France  
Damien VITOUR, Maisons-Alfort, France  
Stephan ZIENTARA, Maisons-Alfort, France  
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: 4<sup>th</sup> to 20<sup>th</sup> of April 2016 at Institut Pasteur, Paris, France and Anses, Ecole Vétérinaire, Maisons-Alfort, France  
Deadline for application: 1<sup>st</sup> 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/inscription](http://www.pasteur.fr/inscription)