



Institut Pasteur

centre d'enseignement

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4th ONE-HEALTH COURSE

(Preliminary program)

4-20 April 2016



WEEK 1

Monday 4 April 2016

9h00 - 10h30	WELCOME TO THE COURSE : PRESENTATION OF PROFESSORS AND STUDENTS Myriam ERMONVAL, Marc SAVEY & Noël TORDO	
11h00 - 12h30	Disease ecology: evolutionary origin and transmission of infectious diseases	Serge MORAND (CNRS-CIRAD, CIC Mérieux du Laos, Vientiane, Laos)
14h00- 15h30	Social anthropology of zoonoses	Fredéric KECK (CNRS, Collège de France, Paris, France)
16h00- 17h00	Round Table : « One Health »	Serge MORAND Fredéric KECK Jakob ZINSSTAG
17h30- 19h00	Get together	

Tuesday 5 April 2016

9h00 - 10h30	One health : The added value of closer cooperation of human and animal health	Jakob ZINSSTAG (Institut Tropical et de Santé Publique Suisse, Basel, Switzerland)
14h00 - 15h30	Increasing the knowledge of the human and animal virome at homeostasis or disease state	Marc ELOIT (Institut Pasteur Paris, France)
16h00 - 18h00	PRESENTATION OF PRACTICALS	Tutors of practicals

Wednesday 6 April 2016

9h00 - 10h30	Interspecies transmission from monkeys and apes to Humans : emergence of new retroviruses in Central Africa	Antoine GESSAIN (Institut Pasteur, Paris, France)
11h00 - 12h30	Simian lentiviruses and the origins of AIDS	Ahidjo AYOUBA (IRD, Montpellier, France)
14h00 - 15h30	Bat, Rodents and viruses	Felix DREXLER (Inst. Virology, Univ. Bonn, Germany)

Thursday 7 April 2016

9h00 - 10h30	Tck-host-pathogen interactions : use of vaccine to control vector-borne diseases	José DE LA FUENTE (UCML, Ciudad Real, Spain)
11h00 - 12h30	Two more species of Chlamydia: does it make a difference?	Karine LAROUCO (ANSES, Maisons-Alfort, France)
14h00 - 15h30	Mycobacteria in animals and humans	Christian GORTAZAR (UCML, Ciudad Real, Spain)
16h00 - 17h30	Antibiotic resistance	Jean-Yves MADEC (ANSES, Lyon, France)

Friday 8 April 2016 : Practicals

GROUP 1, 2, 3 INSTITUT PASTEUR

Presentation and searching in database

Philippe LE MERCIER,
Swiss-Prot, Geneva

Phylogenetic analysis

Guillaume CASTEL,
INRA, Montpellier

**Virus-host interactome mapping using yeast two-hybrid approach :
the orbiviruses and paramyxoviruses as examples.**

Grégory Caignard
(Anses, Maisons-Alfort, France)

Date to be confirmed

Infectious disease emergence in animals

Stephan ZIENTARA
(ANSES, Maisons-Alfort, France)

WEEK 2

Supervisors at Anses, Maisons-Alfort, France :

Sara MOUTAILLER

Damien VITOUR

Tutors of the groups : Sophie LEPODER, Virginie DOCEUL, Cécile BECK

Supervisor at Institut Pasteur, Paris , France

Myriam ERMONVAL

Jean- Claude MANUGUERRA

Tutors of the groups :

Monday 11 April 2016

9h00 – 18 :00

PRACTICALS : INSTITUT PASTEUR AND MAISONS-ALFORT

Ticks capture « forêt de Sénart »
GROUP 1 , 2, 3

Tuesday 12 April 2016

9h00 – 18 :00

PRACTICALS : INSTITUT PASTEUR AND MAISONS-ALFORT

GROUP 1

GROUP 2

GROUP 3

Wednesday 13 April 2016

9h00 – 18 :00

PRACTICALS : INSTITUT PASTEUR AND MAISONS-ALFORT

GROUP 1

GROUP 2

GROUP 3

Thursday 14 April 2016

9h00 - 10h30

analysis of experimental work

in progress

Friday 15 April 2016

9h00 - 10h30	Mosquitoes as vectors of arboviruses	Anna-Bella FAILLOUX (Institut Pasteur, Paris, France)
11h00 - 12h30	Evolution of RNA viruses in vitro and in vivo	Marco VIGNUZZI (Institut Pasteur, Paris, France)
14h00 - 15h30	Zoonotic and pandemic influenza	Ron FOUCHIER (Erasmus, Rotterdam, The Netherlands)
16h00 - 18h00	Round table « Gain of Function »	Marco VIGNUZZI Ron FOUCHIER + ...

WEEK 3

Monday 18 April 2016

in progress

11h00 - 12h30 **The zoonotic origin of hepatitis E** **Nicole Pavio**
(ANSES, Maisons Alfort)

Tuesday 19 April 2016

9h00 - 10h30 **Insights into the ecology and epidemiology of MERS-Coronavirus** **Marcel MÜLLER**
(Inst. Virology, Univ. Bonn, Germany)

11h00 - 12h30 **Pathogenesis of emerging viroses** **Thijs KUIKEN**
(ERASMUS, Rotterdam, The Netherlands)

14h00 – 18h00 **Presentations of the results of Practicals** **Students + Practicals TUTORS**

Wednesday 20 April 2016

9h00 - 10h30 **The Ebola outbreak in Western Africa** **Amadou SALL**
(Institut Pasteur, Dakar, Sénégal)

11h00 - 12h30 **Emerging Zoonoses: laboratory response to biological threats** **Jean-Claude MANUGUERRA**
(Insittut Pasteur, Paris, France)

14h00 - 15h00 **Wildlife as reservoir of zoonotic agent transmission to domestic animals** **Bruno CHOMEL**
(UCDAVIS, Davis, USA)

15h30 - 17h30 **Round Table : Ethics** **Amadou SALL**
Jean-Claude MANUGUERRA
Bruno CHOMEL
Jon RICHMOND
(The Scottish Accreditation Board, UK)
Hub ZWART
(The Netherlands)

17h30 **End of the course**