



COLLÈGE  
DE FRANCE  
—1530—

# CHAIRE DE MICROBIOLOGIE ET MALADIES INFECTIEUSES

Année académique 2017-2018

Philippe SANSONETTI, Professeur

“Microbiome and human evolution:  
(micro)biology meets anthropology”

**International Symposium in English**

Thursday 28<sup>th</sup> and Friday 29<sup>th</sup> June 2018  
Amphithéâtre Marguerite de Navarre

## Thursday 28<sup>th</sup> June 2018

- 8 h 45 Introduction**  
Philippe Sansonetti (Collège de France, Institut Pasteur, France,  
Brett Finlay, PWIAS, UBC, Canada)
- 9 h 00 Keynote Lecture 1: The dawn of anthropocene**  
Jean-Jacques Hublin (Max Planck & Collège de France)
- Session 1: Ancient and recent DNA sequencing and microbe-host  
models of symbiosis to deciphering major steps  
of microbe-influenced human evolution**
- 9 h 45 “The history/anthropology of infectious diseases as written  
by the organic signatures hidden in the remains of their victims”**  
Hendrick Poinar (McMaster University, Toronto)
- 10 h 15 Ages of bacterial pathogens**  
Mark Achtman (University of Warwick)
- 10 h 45 Coffee Break**
- 11 h 15 Immune gene selection in human evolution**  
Lluís Quintana-Murci (Institut Pasteur)
- 11 h 45 A microbial-anthropologist in the jungle**  
Maria-Gloria Dominguez-Bello (New York University)
- 12 h 15 General discussion**
- 12 h 30 Lunch break**
- 14 h 00 Keynote Lecture 2: Missing microbes**  
Martin Blaser (New York University)
- Session 2: Making epidemiology qualitative, socio-anthropology  
to the rescue**
- 14 h 45 Disentangling the bases of emergence of infectious diseases**  
Frédéric Keck (CNRS, Collège de France, Musée du Quai Branly)
- 15 h 15 Early language development and drug trade cultures**  
Shaylih Muehlmann (University of British Columbia)
- 15 h 45 Coffee Break**
- 16 h 15 Sensing human perception of microbes and infection through  
analyzing social networks: epidemiology becomes “socio-digital”**  
Marcel Salathé (EPFL, Lausanne)
- 16 h 45 Interpreting human and great ape microbiome in the Congo  
river basin: a qualitative historical epidemiology of cross-  
species engagements**  
Tamara Giles-Vernick (Institut Pasteur)
- 17h15 Medical anthropology of food/nutrition across history  
of human evolution**  
Tina Moffat (McMaster University)
- 17 h 45 General discussion**

## Friday 29<sup>th</sup> June 2018

- 9 h 00 Keynote Lecture 3: The role of microbiota in asthma**  
Brett Finlay (PWIAS, UBC, Canada)
- Session 3: How microbes affect biological functions  
that have been essential in human evolution:  
searching for contemporary situations,  
drivers and models**
- 9 h 45 Microbiome: the second immune system**  
Thomas Pradeu (CNRS, Bordeaux)
- 10 h 15 The importance of early life nutrition  
on the gut microbiota and child development**  
Jan Knol (Nutricia Research, Utrecht)
- 10 h 45 Coffee Break**
- 11 h 15 Gut microbes and the infant brain**  
Rebecca C Knickmeyer (Univ. North Carolina, Chapel-Hill)
- 11 h 45 Paediatric environmental enteropathy  
in Sub-Saharan Africa: microbial ecology meets health**  
Pascale Vonaesch (Institut Pasteur  
and University of British Columbia)
- 12 h 15 Conclusion and perspectives**  
Margaret Lock (McGill University)

**Scientific Committee: B.B. Finlay, F. Keck, M. Lock,  
H. Poinar, P.J. Sansonetti**

Alain Prochiantz  
Administrateur du Collège de France

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