

REVMICNAT3 PROGRAM: NEW CHALLENGES INDUCED BY MICROBIOMES

The event is free but upon registration. So anyone who wishes to attend should email me : epbapteste@gmail.com, and let me know whether she/he wishes to attend virtually or in person.

9:00-9:05 : A few welcome words. *Dr. E. Bapteste* (CNRS, ISYEB, Paris, France)

9:06-9:26 : Earth System Science : How microbiome contribute to shape planetary boundaries ?*Pr. Tim Lenton* (U. Exeter, UK)

9:27-9:47 : Today's Biology: How microbiome studies enhanced our knowledge on Life diversity and its underlying processes ? *Pr. Laura Hug* (Canada Research Chair in Environmental Microbiology, U. Waterloo, Canada)

9:48-10:08 : Dr. Sébastien Halary: Today's Biology: How microbiome boosted knowledge of bacteriophages ? (Molécules de Communication et Adaptation des Micro-organismes, MNHN, France)

10:09-10:29 : Today's Biology: Some surprising findings from marine microbiome studies *Pr. Chris Bowler* (ENS, Paris, France)

10:30-10:50 : Today's Biology: Integrating Microbiomology with Systems Biology, lessons from a bioinformatician viewpoint. *Dr. Marco Fondi* (Dep. of Biology, University of Florence, Italy)

5 minutes break

10 :55-11 :15 : Anthropology : 'Microbes in human and social sciences' *Dr. Charlotte Brives & Alexis Zimmer* (Centre Emile Durkheim (UMR 5116), Bordeaux ; et Département d'histoire des sciences de la vie et de la santé, Faculté de Médecine, Strasbourg)

11 :16-11 :36 : Medical Anthropology : Anthropology : revisiting health and forensic issues in the light of paleomicrobiomes *Pr. Philippe Charlier* (Laboratoire Anthropologie, Archéologie, Biologie (LAAB), Université Paris-Saclay (UVSQ) & musée du quai Branly - Jacques Chirac, France,
(https://en.wikipedia.org/wiki/Philippe_Charlier)

11 :37-11 :57 : Museology *Mr. Olivier Zeitoun* (Centre Pompidou, Paris, France) :
Museology and microbiomes. How can one put microbiomes in museums ?

LUNCH BREAK (1h30 for all speakers)

13 :30-13 :50 : Popular Sciences: Microbiomes and popular science writing: how to make microbes really charming ? *Miss Giulia Enders* (Germany, https://en.wikipedia.org/wiki/Giulia_Enders)

13 :51-14:11 : Literature: Who/What is the microbiological self ? Some answers from contemporary literature *Dr. Liliane Campos* (English and Theatre Studies at the Sorbonne Nouvelle University, France)

14 :12-14 :32 : Legal Science: Recent legal developments to cope with microbiomes *Dr. Géraldine Aidan* (CERSA, UMR 7106, CNRS - Université Paris II Panthéon-Assas, Paris)

14 :33-14 :53 : Tomorrow's Biology: How microbiome studies set new frontiers in immunology ? *Dr. Gerard Eberl* (Institut Pasteur, France)

14 :54-15 :14 : Tomorrow's Biology: Microbiome-based therapies : what can really be trusted ? *Dr. Ana Perez Cobas* (Department of Microbiology, Ramón y Cajal Institute for Health Research (IRYCIS), Ramón y Cajal University Hospital, Spain)

15 :15-15 :35 : Tomorrow's Biology: Challenges and promises in the field of synthetic microbiomes *Dr. Rodrigo Ledesma-Amaro* (Faculty of Engineering, Department of Bioengineering, Imperial College London, UK)

5 minutes break

15 :40-16 :00 : *Philosophy* : Philosophy: Microbiomes and units of selection: have we identified all critical players in the struggle for Life ? *Dr. François Papale* (Dalhousie University, Canada)

16 :01-16 :21 :*Architectural design* : What microbiomes change to architectural design ? *Dr. Phillippe Rahm* (Paris, France, https://fr.wikipedia.org/wiki/Philippe_Rahm)