



Symbiosis in evolution, biology and human health

15-17 March 2017 - UPMC

Talk duration: Keynote 45 min; other invited speakers 30 min; selected from posters 15 min; coffee break 30 min.

Session 1: Symbiosis in our environment (Day.1 16:00 – 19:30)

15.30 - Welcome coffee

16.00 - Keynote speaker: Antoine Danchin (ICAN, Paris, France) — From Tenericutes symbiosis to synthetic genomes

16.45 - Nicole Dubilier (MPI –Bremen, Germany) —Olavius worm & chimiosynthetic bacteria

17.15 - Colomban de Vargas (Roscoff Station, France) — Symbiogenesis and global ocean biodiversity

17.45 - Coffee break

18.15 - Eric Bapteste (IBPS, Paris, France) — Contribution of symbiogenetic genes to evolutionary transitions

18.45 - Howard Ochman (Texas University, Austin, USA) — The microbiome of gorillas and chimps

19.30 - Cocktail dinner

Session 2: Interactions with hosts and immunity (Day.2 9:00 – 12:30)

08.30 - Welcome coffee

09.00 - Keynote speaker: Marc-André Sélosse (MNHN, Paris, France) — The evolution of interdependency by neutral evolution in holobionts

09.45 - Bruno Lemaitre (EPFL, Lausanne, Switzerland) — The Drosophila-Spiroplasma interaction as a model to dissect the molecular mechanisms underlying insect endosymbiosis

10.15 - Georges Dimopoulos (Johns Hopkins University, Baltimore, USA) — Reciprocal interactions between mosquito microbiota and human pathogens can influence disease transmission

10.45 - Coffee break

11.15 - Louis Lambrechts (Pasteur Institute, Paris, France) — Larval ecology, bacterial microbiota and mosquito vectorial capacity

11.45 - Philippe Sansonetti (Pasteur Institute, Paris, France) — Microbiota, lipids and the intestine: a subtle "ménage à trois"

12.30 - Lunch break

Poster session



Session 3: Evolution and modelling (Day.2 16:00 – 19:30)

16.00 - Keynote speaker: Jan Sapp (York University, Toronto, Canada) – Symbiotic conceptions of evolution and the organism

16.45 – Sébastien Duperron (UPMC, Paris, Biologie des Organismes)

17.15 - Coffee break

17.45 - Jeroen Raes (Catholic University of Leuven, Belgium) — Human microbiota

18.15 - Nancy Moran (Texas University, Austin, USA) — Convolution in guts of bees

Session 4: Human health (Day.3 9:00 – 12:30)

08.30 - Welcome coffee

09.00 - Keynote speaker: Jens Nielsen (Gothenburg University, Sweden) — Microbiota & metabolic diseases

09.45 - Karine Clément (ICAN, Paris, France) — Human gut microbiota and cardiometabolic disorders

10.15 - Coffee break

10.45 - Sven Pettersson (Karolinska Institute, Stockholm, Sweden – Nanyang Tech. University, Singapore) — Microbiota influence on brain development

11.15 - Michel Neunlist (Nantes University, France) — Microbiota and brain diseases