

DIVERSITY AND EVOLUTION OF MICROBES AND THEIR VIRUSES

Celebrating the careers of Patrick Forterre and David Prangishvili

Monday, 3rd of February, 2020, Amphitheatre Duclaux, Institut Pasteur, Paris, France

PROGRAM

9.15 - 9.30 *Stewart COLE*, director of Institut Pasteur

Welcome address

9.30-10.00 *Patrick FORTERRE*, Institut Pasteur

Mining archaeal and viral genomes to understand the origin of eukaryotic cells

10.00-10.30 *Eugene KOONIN*, NCBI

Guns for hire: evolutionary entanglement between mobile genetic elements and host defense systems

10.30-11.00 *Edward EGELMAN*, University of Virginia

Cryo-EM of microbial polymers continues to yields surprises

11.00-11.30 Coffee break

11.30-12.00 *Mart KRUPOVIC*, Institut Pasteur

The architecture of the viral world

12.00-12.30 *David PRANGISHVILI*, Institut Pasteur

Mysteries and secrets of archaeal viruses

12.30-13.00 *Tessa QUAX*, University of Freiburg

Cellular positioning of archaeal motility machinery

13.00-14.00 Lunch (in the atrium of François Jacob's building)

14.00-14.30 *Laurent DEBARBIEUX*, Institut Pasteur

Phage therapy: from shadow to light

14.30-15.00 *Rob LAVIGNE*, KU Leuven

Molecular hijacking of *Pseudomonas* by bacteriophages

15.00-15.30 *Guillaume BORREL*, Institut Pasteur

Diversity and evolution of methanogens: from early earth to animal microbiome

15.30-16.00 Coffee break

16.00-16.30 *Yoshizumi ISHINO*, Kyushu University

Exciting discoveries from research on molecular biology of bacteria and archaea: from CRISPR sequences to a novel mismatch repair system

16.30-17.00 *Hannu MYLLYKALLIO*, Ecole Polytechnique

Fighting antibiotics resistance by studying archaeal DNA replication and repair

17.00-17.30 *Jacques OBERTO*, I2BC

Suicidal integrases and archaeal genome evolution

17.30-18.00 *Tomohiro MOCHIZUKI*, Earth-Life Science Institute

Crenarchaeal viruses from Japan

18.00-19.30 Cocktail reception

Registration is free of charge but mandatory at registrationBMGESymposium@pasteur.fr, no later than January 28th



Institut Pasteur