

Programme LABEX ECOFECT

Thursday, March 14th - What can theoretical and experimental evolution approaches bring about microbial evolution in natural environments?

9.30	<i>Welcome coffee</i>	
9.45	Welcome address by the Organising Committee	
10.00	Standing genetic variation can modify molecular regulations in a probabilistic manner	
	Gaël	Yvert
	Genetics of intraspecies variations laboratory, LBMC, Lyon	
11.00	Bacterial adaptation : from gene transfer to functional innovation	
	Eduardo	Rocha
	Microbial Evolutionary Genomics Unit, Pasteur Institute, Paris	
12.00	<i>Lunch break</i>	
13.30	Flash presentations of projects	
14.00	The effects of mutation and selection on parallelism in evolution experiments	
	Susan	Bailey
	Department of Biology, Clarkson University, Potsdam, New York	
15.00	Tempo and mode in experimental evolution <i>in vitro</i> and <i>in vivo</i>	
	Olivier	Tenaillon
	Infection, Antimicrobials, Modelling, Evolution laboratory, Inserm, Paris Diderot University, Hôpital Bichat, Paris	
16.00	<i>Coffee break</i>	
16.30	Evolutionary lessons from phage-bacterium and phage-metazoan interactions	
	Lotta-Riina	Sundberg
	Centre of Excellence in Biological Interactions, University of Jyväskylä, Finland	
17.30	Round Table on 'Omics and big data around natural and experimental evolution'	
	Short presentations of local technical platforms	
18.30	End of day 1	

Friday, March 15th – Infectious diseases (re)emergence and control

- 9.00 **Unstable antibiotic resistance**
- Dan Andersson
 Department of Medical Biochemistry and Microbiology, Uppsala University,
 Sweden
- 10.00 Flash presentations of projects
- 10.30 *Coffee break*
- 11.00 **Prediction of the intestinal resistome by a 3D-based method**
- Etienne Ruppé
 Ecology, evolution and therapeutic of virulence and resistance in bacteria, IAME
 Institute, Inserm, Paris
- 12.00 *Lunch break*
- 13.30 **Dissecting natural variation in mosquito-arbovirus interactions**
- Louis Lambrecht
 Insect-virus interactions laboratory, Pasteur Institute, Paris
- 14.30 **Resistance is useful ? Selection synergies for sustainable vector control**
- Penelope Lynch
 Department of Biosciences, College of Life & Environmental Sciences, University
 of Exeter, Cornwall
- 15.30 *Coffee break*
- 16.00 Flash presentations of projects
- 16.30 **Round Table on the 'Impact of current practices in the evolution of
antimicrobial-resistance'**
- Jean-Yves Madec
 Unit "Antimicrobial Resistance and Virulence" , ANSES Lyon
- 17.30 Workshop closure