

CROSS DISCIPLINARY GENOMICS

Biological networks: current and future challenges

**3d Symposium
Paris October 10-11 2013**

Campus Jussieu – Amphithéâtre Durand – Bât. Esclangon – 4 place Jussieu – 75005 Paris

Thursday 10th October 2013 – 14h00- 17h00

A WORD OF INTRODUCTION

14h00-14h10

MARTIN WEIGT – *Université Pierre et Marie Curie, Paris*

AFTERNOON SESSION

Chair: Angela Falciatore – Frédéric Devaux

14h10-15h00

VINCENT HAKIM: *CNRS and Ecole Normale Supérieure, Paris, France*

De novo identification of cis-regulatory motifs and modules in *Drosophila* and mammalian genomes

15h00- 15h50

OLIVIER MARTIN: *Institut National de la Recherche Agronomique and Univ. Paris-Sud, France*

Transcriptional Networks: convergent evolution or how network function shapes network structure

15h50 – 16h10

Coffee break

16h10 – 17h00

CELINE SCORNAVACCA: *Université de Montpellier II, CNRS - Institut des Sciences de l'Évolution (ISE-M), France*

Phylogenetic networks: past, present and future

Friday 11st October 2012 – 9h30 – 17h30

MORNING SESSION:

Chair: Marco Cosentino Lagomarsino – Martin Weigt

- 9h30 – 10h20 **BERNHARD PALSSON:** *Department of Bioengineering, UCSD, California, USA*
Reconstruction, modeling and use of genome-scale networks in biology
- 10h20 – 11h10 **ERIK VAN NIMWEGEN:** *Biozentrum Basel, Swiss Institute of Bioinformatics, Switzerland*
Noise in gene expression and the evolution of gene regulation
- 11h10 – 11h30 *Coffee break*
- 11h30 – 12h20 **PHILIPPE NOIROT:** *Institut Micalis, INRA, France*
Systems level analysis of bacterial adaptive responses and how it enables synthetic biology

Lunch

AFTERNOON SESSION:

Chair: Alessandra Carbone – Gilles Fischer

- 13h45 – 14h35 **MAGNUS RATTRAY:** *University of Manchester, UK*
Bayesian inference of transcriptional targets from time-series data
- 14h35 – 15h20 **DANIEL SEGRE:** *Boston University, USA*
Systems biology of microbial metabolism: from genomes to ecosystems
- 15h20-15h45 *Coffee break*
- 15h45 – 16h35 **GINESTRA BIANCONI:** *Queen Mary University, London, UK*
Current challenges in biological networks and prebiotic evolution
- 16h35 – 17h25 **STEVE OLIVER:** *University of Cambridge, UK*
Mending and Extending Nets