

New strategies for macromolecular complexes analysis

Program

November, 24th - 26th 2014

Day 1: Monday, November 24th

12.00 – 13.45 *Lunch buffet and registration*

13.45 – 14.00 Welcome Arnaud Poterszman

Molecular and structural analysis of complexes – part 1

14.00 - 14.30 From unstable proteins to stable complexes Marc Ruff

14.40 - 15.10 Towards a mechanistic understanding of opioid receptors activation by liquid-state NMR spectroscopy. Rémy Sounier

15.20 – 15.35 Structural basis for the phosphorylation dependent recruitment of Tel2 to Hsp90 by Pih1 Mohinder Pal

15.40 - 15.55 Human NHEJ proteins production and complexes reconstitution using baculovirus expression system Pascal Drevet

16.00– 16.30 *Coffee break/exhibition visit*

16.30 – 17.00 Structural studies of transcription factor TFIID Patrick Schultz

17.10 – 17.30 Using label-free technologies to improve protein Sstructure-function studies **GE Healthcare**
Emeric Guéneau

17.35 – 18.05 Optimizing the solubility and the crystallizability of papillomavirus oncoprotein E6 alone or in complex with target cellular proteins Gilles Travé

18.15 – 19.30 *Poster Session*

Day 2: Tuesday, November 25th

Expression systems and protein engineering for complex preparation

09.00 – 09.30 Using mammalian cells in the production recombinant protein complexes Ray Owens

09.40 – 10.10 Tools for expression of multi-protein complexes using the baculovirus expression system Arnaud Poterszman

10.20 – 10.40 Perkin Elmer solutions for accelerated biotherapeutics process developement **Perkin Elmer**
Cécile Mahé

10.45 – 11.15	<i>Coffee break/exhibition visit</i>	
11.15 – 11.45	Stable cell line engineering and efficient screening for expressible constructs for recombinant protein production	Joop van den Heuvel
11.55 – 12.25	Rewiring translation - Genetic code expansion and its applications	Heinz Neumann
12.30 – 13.45	<i>Lunch buffet</i>	

Molecular and structural analysis of complexes – part 2

14.00 – 14.30	Towards a molecular description of copper trafficking and Fe/S protein biogenesis by solution NMR	Simone Ciofi
14.40 – 15.10	Chemoproteomic approaches to drug target complexes	Paola Grandi
15.20 - 15.35	Investigation of the structural basis for control of mRNA stability in inflammation	Hannah Brazier
15.40 – 15.55	Strategies for difficult targets: A case study of different approaches for recombinant expression of hNCRP1	Jan Blaha
16.00 - 16.30	<i>Coffee break/exhibition visit</i>	
16.30 – 17.00	The long road from complex identification to structural information	Bertrand Séraphin
17.10 – 17.40	Structural analysis of the spliceosomal complexes	Wojciech Galej
	<i>Free evening</i>	

Day 3: Wednesday, November 26th

Synthetic biology and automation

09.00 - 09.30	Production of a human Pdzome: Affinity-Based Identification and Ranking of the Human PDZ Domains Targeted by HPV E6 Oncoprotein	Renaud Vincentelli
09.40 – 10.10	Developing Tools for Synthetic Biology: Golden Gate Cloning and the MoClo System	Sylvestre Marillonnet
10.20 – 10.45	<i>Coffee break/exhibition visit</i>	
10.45 – 11.45	Nanobodies to study transmembrane signalling: from structure to function to drugs	Jan Steyaert
	<i>End of the symposium</i>	