WORKSHOP DEFiS

14 ET 15 OCTOBRE 2013

À L'ENS CACHAN

AUDITORIUM CHEMLA - BT IDA

INSCRIPTION SUR WWW.IDA.ENS-CACHAN.FR

TIMETABLE

DAY 1: MONDAY 14TH OCTOBER 2013

08:30 - 09:00 WELCOME COFFEE

09:00 - 09:15 OPENING SESSION

David Perahia (ENS de Cachan)

MORNING SESSION

09:15 - 09:55 *Sergio Marco (Institut Curie-Orsay)*
Questions asked by cryo-transmission electron microscopy in the understanding of molecular assemblies

09:55 - 10:35 *Liliane Mouawad (Institut Curie-Orsay)*
How does GTP stabilize microtubule? A case studied by Normal Mode Analysis

10:35 - 11:05 COFFEE BREAK

11:05 - 11:45 *Jean-Marie Ruysschaert (ULB, Brussels)*
Emerging roles for lipids in Structure and Function of multidrug transporters

11:45 - 12:25 *Martine Prevost (ULB, Brussels)*
Molecular origin of the voltage-dependent anion selective channel (VDAC)

12:25 - 13:05 *Paulo Mascarello Bisch (IBCCF/UFRJ, Brazil)*
Pore Forming Membrane Proteins: Comparative Genomics Search for Sequence-Structure-Function Relationship

13:05 - 14:15 LUNCH + POSTER SESSION

AFTERNOON SESSION

14:15 - 14:55 *Michael Nilges (Institut Pasteur)*
Inferential Structure Determination from Hybrid Data

14:55 - 15:35 *Patrice Vachette (IBBMC, Orsay)*
SAXS contribution to the study of macromolecule conformations. Coupling with high resolution results

15:35 - 16:05 COFFEE BREAK

16:05 - 16H45 *Nicolas Floquet (IBMM, Montpellier)*
Multi-scale dynamics of G-proteins Coupled Receptors and ligand/protein partners at the molecular scale : insights from in silico calculations

16:45 - 17:25 *AntoineTaly (IBPC, Paris)*
Signal transduction mechanism in ligand gated ion channels: interplay between modeling and experiments

17:25 - 18:05 *Nicolas Foloppe (England)*
Understanding the active-site of thiol-disulfide oxidoreductases with molecular dynamics and pKa calculations

18:05 - 19:00 COCKTAIL

DAY 2: TUESDAY 15TH OCTOBER 2013

MORNING SESSION

09:15 - 09:55 *Jean-Marc Victor (Univ. Pierre et Marie Curie)*
Insilico single molecule manipulations unravel nucleosome dynamics

09:55 - 10:35 *David Bensimon (ENS Paris)*
Single molecule studies of DNA: from remodelling to sequencing

10:35 COFFEE BREAK

11:05 - 11:45 *Yves Lansac (Univ. de Tours)*
Formation of DNA-protamine bundles

11:45 - 12:25 *Ahmad Elbahnsi (ENS de Cachan)*
Investigations on multi-scale dynamics of the nucleosome

12:25 - 13:05 *Claude Nogues (ENS de Cachan)*
Sequence-Structure relationships in nucleosomes: a biophysical approach

13:05 - 14:15 LUNCH + POSTER SESSION

AFTERNOON SESSION

14:15 - 14:55 *Eric Deprez (ENS de Cachan)*
Photoactivatable probes for imaging and triggering biological and enzymatic processes upon two-photon excitation

14:55 - 15:35 *P. R. Batista (IOC-Rio de Janeiro, Brazil)*
Evaluating and validating the interaction of MHC proteins with predicted epitopes from Leishmania amazonensis C-terminal CPB: insights from metadynamics

15:35 - 16:15 *Luis Barbour Scott (ENS de Cachan & UFABC)*
Protein-protein docking interactions taking into account global conformational changes

16:15 - 16:30 CONCLUDING REMARKS

SPEAKERS:

1 - P. R. BATISTA (IOC-RIO DE JANEIRO, BRAZIL)
2 - DAVID BENSIMON (ENS PARIS)
3 - PAULO MASCARELLO BISCH (IBCCF/UFRJ, BRAZIL)
4 - ERIC DEPREZ (ENS DE CACHAN)
5 - AHMAD ELBAHNSI (ENS DE CACHAN)
6 - NICOLAS FLOQUET (IBMM, MONTPELLIER)
7 - NICOLAS FOLOPPE (ENGLAND)
8 - YVES LANSAC (UNIV. DE TOURS)
9 - SERGIO MARCO (INSTITUT CURIE-ORSAY)
10 - LILIANE MOUAWAD (INSTITUT CURIE-ORSAY)
11 - MICHAEL NILGES (INSTITUT PASTEUR)
12 - CLAUDE NOGUES (ENS DE CACHAN)
13 - MARTINE PREVOST (ULB, BRUSSELS)
14 - JEAN-MARIE RUYSSCHAERT (ULB, BRUSSELS)
15 - LUIS BARBOUR SCOTT (ENS DE CACHAN & UFABC)
16 - ANTOINE TALY (IBPC-PIERRE MARIE CURIE)
17 - PATRICE VACHETTE (IBBMC, ORSAY)
18 - JEAN-MARC VICTOR (UNIV. PIERRE ET MARIE CURIE)