



2ND PARIS SACLAY JUNIOR CONFERENCE ON COMPUTATIONAL BIOLOGY

Orsay November 14, 2018

9:00-9:15

Welcome and opening by the organizers

Session 1: Structural Bioinformatics, chairperson Anne Lopes

9:15-10:10

Invited Speaker : Guillaume Bouvier, Institut Pasteur, Paris

Integrative structural biology through the lens of structural bioinformatics

10:10-10:30

Chloe Quignot

Structural prediction of protein complexes using evolutionary information

10:30-10:50

coffee break

10:50-11:10

Akhila Melarkode Vattekatte

Understanding the role of backbone flexibility in VHH-antigen complexes

11:10-11:30

Mauricio Garcia De Souza Costa

MDexciteR: Fast and flexible exploration of collective motions described by normal modes and principal components

11:30-11:50

Tatiana Galochkina

Mechanics of GluT1 during glucose transfer

11:50-12:10

Maud Chan-Yao-Chong

Structural characterisation of the intrinsically disordered domain V of protein N-WASP combining NMR and SAXS data with MD simulations

12:15-13:45

Lunch

Session 2: Genomes and networks, chairperson Daniel Gautheret

13:45-14:40

Invited Speaker : William Ritchie, Institute of Human Genetics, Montpellier

Artificial Intelligence breaking the transcriptome

14:40-15:00

Andrée Delahaye-Duriez

Drug target prediction and repositioning using integrated network-based approaches

15:00-15:20

Charlotte Perin

Impact de l'épissage alternatif sur la structure des protéines

15:20-15:40

Coffee break

15:40-16:00

Léopold Carron

Boost-HiC : Computational enhancement of long-range contacts in chromosomal contact maps

16:00-16:20

Vincent Loiseau

Long-read and short-read sequencings reveal the full diversity of host transposable elements integrated into virus genomes during infection

16:20-16:40

Jean-Noël Lorenzi

Dynamics of the Streptomyces chromosome

16:40-17:00

Farah Ghieh

Identification et caractérisation d'altérations géniques chez des patients présentant une azoospermie par arrêt de maturation

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