



Mass spectrometry in structural biology First FRISBI/Profi meeting

Preliminary Program

November 21, 2017, CNRS, salle La Terrasse, Gif sur Yvette

09.30 - 09.45 *Registration*

09.45 – 10.00 Welcome/Introduction

10.00 - 11.00 Session Presentation of the national infrastructures and common interests

10.00 - 10.30 Profi Infrastructure

10.30 - 10.45 FRISBI infrastructure

10.50 - 11.00 IFB infrastructure

11.00 - 12.10 Session Structural studies and Mass Spectrometry I

11.00 - 11.30 Synthetic Biology meets Structural Biology: Enabling Tools to Study Multiprotein Complex Structure and Mechanism

Imre Berger

(Bristol university, UK)

11.30 – 11.50 Modeling macromolecular complexes from conflicting and ambiguous data

Michael Nilges

(Institut Pasteur, Paris)

11.50 – 12.10 Combining HD/X, NMR and MD for studies of nuclear receptors dynamics

Annick Dejeagere

(IGBMC, Strasbourg)

12.10 - 13.30 *Lunch*

13.30 - 14.50 Session Structural studies and Mass Spectrometry II

13.30 - 13.50 Crystallographers rescued by HDX-MS: integrative structural biology to study enzymes modifying factors involved in translation

Marc Graille

(Ecole Polytechnique)

13.50 - 14.10 The protein transporter FhaC: relationships between function and dynamics

Françoise Jacob- Dubuisson

(Institut Pasteur, Lille)

14.10 - 14.30 Native mass-spectrometry as a tool to investigate covalent and non-covalent nuclear receptor interactions

William Bourguet

(CBS, Montpellier)

14.30 – 14.50 Probing the conformational changes of multidrug ABC transporters by H/D exchange

Jean-Michel Jault

(IBCP, Lyon)

14.50 - 15.30 Discussion on the interface and developments between mass spectrometry and structural biology

15.30 *End of the meeting*