



ProFI
PROTEOMICS

Mass Spectrometry in Structural Biology **21st November 2017**

1st FRISBI/Profi meeting :

Salle de la Terrasse, Gif-s-Yvette, Avenue de la Terrasse, 91190 Gif Sur Yvette

9.30 – 9.45 Registration

9.45 - 10.00 Welcome/ Introduction

Session : Presentation of the national infrastructures and common interests

10.00- 10.30 Profi Infrastructure

10.30- 10.45 FRISB Infrastructure

10.50- 11.00 IFB Infrastructure

Session Structural studies and Mass Spectrometry I

11.00- 11.30 Imre Berger (Univ Bristol , UK): “Synthetic Biology meets Structural Biology: Enabling Tools to Study Multiprotein Complex Structure and Mechanism.”

11.30- 11.50 Michael Nilges (Institut Pasteur, Paris) Modeling macromolecular complexes from conflicting and ambiguous data

11.50- 12.10 Annick Dejeagere (IGBMC, Illkirch) Combining HD/X, NMR and MD for dynamics studies of nuclear receptors.

12.10 - 13.30 Lunch with Posters Session -

Session Structural studies and Mass Spectrometry II

13.30- 13.50 Marc Graille (Ecole Polytechnique, Palaiseau) : “Crystallographers rescued by HDX-MS: integrative structural biology to study enzymes modifying factors involved in translation”

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

14.10- 14.30 William Bourguet (CBS, Montpellier): “Native mass-spectrometry as a tool to investigate covalent and non-covalent nuclear receptor interactions”

14.30 - 14 :50 Jean-Michel Jault Probing the conformational changes of multidrug ABC transporters by H/D exchange

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

15.30 End of the meeting