

Innovations in Mass Spectrometry for Cell Biology and Biomedical Research

February 5th, 2019
Aviesan & ProFI
Amphithéâtre Buffon
Paris 13^e

- ▶ 08:45 a.m. Welcome coffee
- ▶ 09:10 a.m.-09:20 a.m. Introduction of the symposium
Carine GIOVANANGELLI, Aviesan, CNRS & **Jérôme GARIN**, ProFI, CEA
- ▶ 09:20 a.m.-09:40 a.m. A short introduction to the Mass Spectrometry
Christine CARAPITO, ProFI, CNRS, Strasbourg
- ▶ 09:40 a.m.-10:45 a.m. **Mass spectrometry for biomedical research**
 - ▶ 09:40 a.m.-10:25 a.m.: The target landscape of clinical kinase drugs - **Bernhard KUSTER**, München, Germany
 - ▶ 10:25 a.m.-10:45 a.m.: Identification and verification of a new biomarker signature for multiple sclerosis prognosis in cerebrospinal fluid using quantitative proteomics - **Philippe MARIN**, CNRS, Montpellier
- ▶ 10:45 a.m.-11:10 a.m. Coffee break
- ▶ 11:10 a.m.-11:30 a.m. Moving forward intraoperative diagnostic using in-vivo mass spectrometry - **Isabelle FOURNIER**, Université de Lille, Lille
- ▶ 11:30 a.m.-11:50 a.m. In situ molecular mapping comes of age for environmental toxicology - **Charles PINEAU**, Inserm, Rennes
- ▶ 11:50 a.m.-12:10 p.m. Maldi-ToF: the friend of the clinicians! - **Didier TANDE**, CHU Brest, Brest
- ▶ 12:10 p.m.-12:30 p.m. Mass cytometry to analyze immune responses to vaccines - **Anne-Sophie BEIGNON**, IDMIT, CNRS, Fontenay-aux-Roses
- ▶ 12:30 p.m.-02:00 p.m. Lunch

- ▶ 02:00 p.m.-03:50 p.m. **Mass spectrometry for Cell Biology**
 - ▶ 02:00 p.m.-02:45 p.m.: Proteomics as a key to penetrate giant viruses physiology - **Chantal ABERGEL**, IGS, Marseille
 - ▶ 02:45 p.m.-03:05 p.m.: Proteomics to decipher molecular mechanisms of the adaptive and innate immune responses - **Anne GONZALEZ**, ProFI, Toulouse
 - ▶ 03:05 p.m.-03:50 p.m.: A map of Protein-Metabolite interactions reveals principles of chemical communication - **Ilaria PIAZZA**, ETH, Zürich, Switzerland

- ▶ 03:50 p.m.-04:20 p.m. Coffee break

- ▶ 04:20 p.m.-05:25 p.m. **New developments in Mass spectrometry**
 - ▶ 04:20 p.m.-05:05 p.m.: Functional genomics near the single cell resolution - **Ljiljana PASA-TOLIC**, Pacific Northwest National Laboratory, Richland, USA
 - ▶ 05:05 p.m.-05:25 p.m.: Nano-mechanical Mass Spectrometry of intact virus particles, **Christophe MASSELON**, CEA Grenoble, Grenoble

- ▶ 05:25 p.m.-05:30 p.m. Short break

- ▶ 05:30 p.m.-06:00 p.m. **Presentation of the French Proteomics roadmap**
 - ▶ **Round table meeting**