

Workshop

New mass spectrometry approaches to study cancer genome functions and beyond...

December 13th, 2018

Montpellier, IRCM Conference room

09:20 am **Welcome coffee**

10:00 am **Session I**

Chairs: Jérôme Dejardin, Eric Julien

10:00 ❖ **Deciphering chromatin biology using integrative omics approaches**
Michiel VERMEULEN, Radboud Institute of Molecular Life Sciences, Nijmegen, NL

10:40 ❖ The control of telomere maintenance by heterochromatin
Jérôme Dejardin, Institute of Human Genetics, Montpellier

11:05 ❖ Identification of replication factories components using mass spectrometry
Cyril Ribeyre, Institute of Human Genetics, Montpellier

11:30 ❖ **Exploring the biology of histone variants with mass spectrometry**
Jérôme GOVIN, Institute for Advanced Biosciences, La Tronche, France

12:10 pm **Lunch**

14:00 pm **Session II**

Chairs: Daniel Fisher, Malik Lutzmann

14:00 ❖ **Combining mass spectrometry with FACS for comprehensive proteomic and phosphoproteomic analysis of cell cycle transitions**
Tony LY, Wellcome Centre for Cell Biology, University of Edinburgh, Scotland

14:40 ❖ A combined laser microdissection and proteomic analysis method for identification of robust biomarkers in oncology
Anne-Aurélié Raymond, INSERM U1053, Liver cancer and invasion, Bordeaux

15:05 ❖ Structural elucidation of cellular proteoforms by Top-down MS
Julien Marcoux, Institute of Pharmacology and Structural Biology, Toulouse

15:30 ❖ A new era in cancer biomarkers: multivariate analysis of RNA epigenetics by mass spectrometry
Jérôme Vialaret, Laboratory of Biochemistry and Clinical Proteomics-IRMB, Montpellier

16:00 pm **Discussion**