

Institut d'Investigació Sanitària Pere Virgili (IISPV) Seminar: **MASS SPECTROMETRY IMAGING: A KEY TECHNOLOGY FOR MOLECULAR HISTOLOGY**

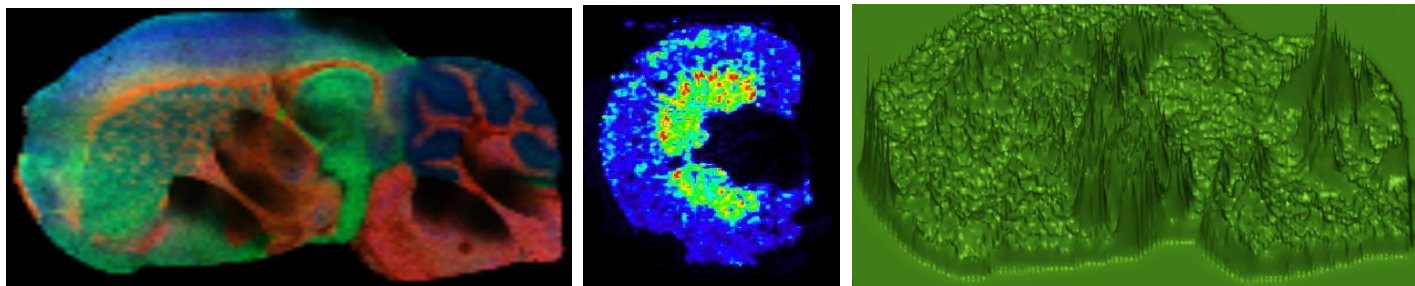
Location: Sala Polivalent, Centre d'R+D+I en Nutrició i Salut,
Av. Universitat 1, 43204 Reus

Date: 9th Feb 2016, 10 h

For registration: [CLICK HERE](#)

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Mass Spectrometry Imaging (MSI), is an emergent technique able to detect and spatially localize proteins, peptides and/or metabolites in animal or vegetal tissues, with excellent lateral resolution and minimal sample preparation. MSI is a truly *biomolecular histology* technique, that combined with traditional histological techniques, will represent a step forward in many applications such as drug discovery, histopathology, toxicology or food safety, among others. This seminar will focus on the potentiality of the technique, as well as on practical aspects related with sample preparation, mass spectrometry instrumentation, data processing and bioinformatics resources.



Program

- 10:00 to 10:10 *Welcome*
Prof. Ramon Gomis, IDIBAPS/IISPV
- 10:10 to 10:30 *Imaging mass spectrometry as a unique biochemical approach to understand biological processes*
Dr. Òscar Yanes, Metabolomics Platform, URV-COS-CIBERDEM
- 10:30: to 10:50 *Bruker solutions in MALDI Imaging: mass spectrometry for direct surface analysis*
Francesc Márquez, Bruker Española, S.A.
- 10:50 to 11:30 *Translating big data coming from spatial metabolomics into molecular knowledge*
Dr. Theodore Alexandrov, EMBL, Heidelberg, DE
- 11:30 to 11:50 *New technologies for metabolomics MS Imaging*
Prof. Xavier Correig, Metabolomics Platform, URV-CIBERDEM-IISPV
- 11:50 to 12:10 Round table
- 12:10 to 13 h Visit to the Centre for Omic Sciences

Collaborators:



