IISPV INSTITUT D'INVESTIGACIÓ SANITÀRIA PERE VIRGILI

METABOLOMICS platform

Institut d'Investigació Sanitària Pere Virgili (IISPV) Seminar:

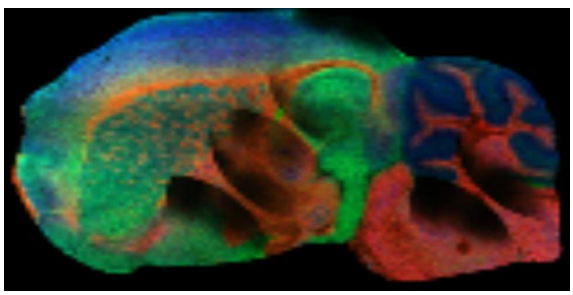
MASS SPECTROMETRY IMAGING: A KEY TECHNOLOGY FOR MOLECULAR HISTOLOGY

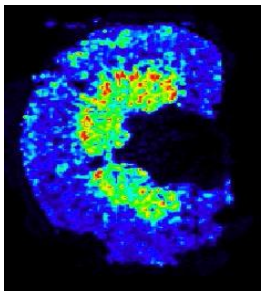
Location: **Sala Polivalent, Centre d'R+D+I en Nutrició I Salut, Av. Universitat 1, 43204 Reus**

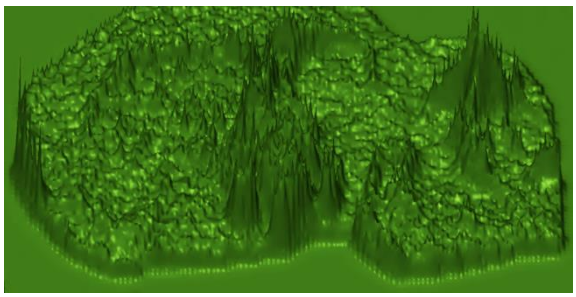
Date: **9th Feb 2016, 10 h**

For registration: **CLICK HERE** **Info mail: formacio@iispv.cat**

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: ciberdem BRUKER COS Centre for Omic Sciences