



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

## MASS SPECTROMETRY IMAGING: A KEY TECHNOLOGY FOR MOLECULAR HISTOLOGY

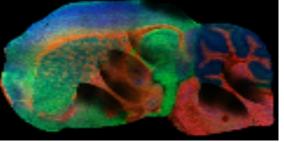
Location: Sala Polivalent, Centre d'R+D+I en Nutrició I Salut,

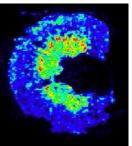
Av. Universitat 1, 43204 Reus

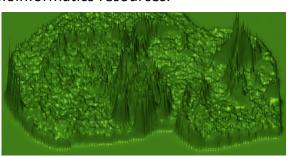
Date: 9<sup>th</sup> Feb 2016, 10 h

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.







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. Oscar 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:** 





