

3rd Basic Course in Proteomics

To be held at CIC bioGUNE on March 1st 2017,
Bizkaia Science & Technology Park, Building 800

9:30-10:00 Introduction, by Felix Elortza

- ✓ Proteomic analysis: General considerations.
- ✓ Experiments you can do prior to mass spectrometry analysis
- ✓ What can mass spectrometry offer you in proteomics (& peptidomics)
- ✓ Mass spectrometry: Some basic concepts.

10:00-11:00 MALDI TOF analysis, by Ibon Iloro

- ✓ Protein Identification by Peptide Mass Fingerprinting (PMF) and Peptide Fragment Fingerprinting (PFF).
- ✓ How to analyze data obtained by MALDI TOF and MALDI TOF/TOF.
- ✓ Molecular weight determination: Linear MALDI-TOF (and ESI-TOF).
- ✓ MALDI-TOF Tissue Mass Spectrometry: MALDI Imaging or New Molecular Histology.

11:00-11:30 Coffee break

11:30-12:30 nLC MS/MS analysis: Protein Identification & Characterization and Label Free Quantification, by Mikel Azkargorta

- ✓ Introduction to proteomic analysis by nLC MS/MS
- ✓ Sample preparation for nLC MS/MS analysis.
- ✓ Applications of nLC MS/MS:
 1. Characterization of protein mixtures
 2. Analysis of protein complexes
 3. Post-translational modification (PTM) analysis
 4. Differential protein expression analysis

12:30-13:30 Final considerations and Questions

REGISTRATION

- Registration will be free.
- Deadline for registration: 20th of February
- Number of attendees: Max 60 (*priority shall be applied by order of registration*)
- How to register; send an e-mail with the information asked below to felortza@cicbiogune.es, indicating in subject: "Basic Course in Proteomics".

Name and Surname:

Research Centre/Company/Laboratory:

Activity:

Address:

Tel: