

Hands-on Course – Combining Proteomics and Genomics towards the Proteogenomics concept

26th – 29th September 2017 at ICAAM - University of Évora

Omics approaches allow the collective identification, characterization and quantification of pools of biomolecules, extending the universe of compounds under study.

Integration of results coming from proteomics and genomics starts to be a reality, which expands the possibilities, in particular, for the study of non-model organisms. Proteogenomics grants the (re-) annotation of protein-coding nucleic acid sequences based on the empirical observation of their gene products.

This hands-on course will give the basics on proteomics and genomics envisaging the integration of their data through the proteogenomics concept.

Theory

- Proteomics
- 2D electrophoresis
- Mass spectrometry
- Whole Genome Sequencing
- Proteogenomics

Hands-on

- Protein extraction
- 2D electrophoresis/Gel analysis
- Protein digestion
- Protein identification /quantification
- WGS data analysis
- Genomic/proteomics data integration

Lecturers/instructors

Jean Armengaud (CEA-Marcoule, France)

Ana Varela Coelho (ITQB NOVA)

Elsa Lamy (ICAAM)

Marcos Ramos (CEBAL-ICAAM)

Registration fee

150 € (*until 15th August*)

200 € (*16th August - 15th September*)

Enrollment is limited to 16 participants

For any question, please contact:

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