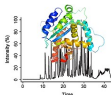
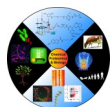




Friday, 17 June

Theoretical and data analysis Sessions



- 9-10**
 - *Network analysis of post-synaptic proteomic data reveals molecular substructures associated with neurological disorders, J Douglas Armstrong (University of Edinburgh)*
- 10-12.30**
 - *Data analysis and interpretation (data from practical session), Viviana Greco (Catholic University of the "Sacred Heart") and Oksana Sorokina (University of Edinburgh)*
- 11-11.30** Coffee break
- 12.30-13.30**
 - *Functional Proteomics: protein-protein interactions, Maria Monti (CEINGE and University of Naples Federico II)*
- 13:30** Closing Remarks and lunch

Scientific Committee

ItPA Executive Board:

Paola Roncada, *Department of Health Sciences University of Catanzaro 'Magna Graecia', ITALY- President*

Viviana Greco, *Department of Basic Biotechnological Sciences, Intensivological and Perioperative Clinics Catholic University of the Sacred Heart, Roma, Italy Vice President*

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Damiana Pieragostino, *Department of Innovative Technologies in Medicine and Dentistry, University "G. d'Annunzio" of Chieti, Italy -International relationships*

Lorenza Putignani, *Pediatric Children Hospital Bambino Gesù, Roma, Italy Fund raising*

Margherita Ruoppolo, *CEINGE and University of Naples Federico II, CEINGE Executive Coordinator*

Mauro Fasano, *University of Insubria, Fondazione ItPA onlus*

Local Organizing Committee

Maria Monti, School Coordinator, ItPA Training Programs

Flora Cozzolino, lab activities coordinator

Margherita Ruoppolo, CEINGE Executive Coordinator

CEINGE staff, lab tutors:

Luisa Canè, Marianna Caterino, Simona Celentano,

Michele Costanzo, Ilaria Iacobucci, Vittoria Monaco

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Fondazione ItPA onlus



Theoretical-Practical EuPA Summer School



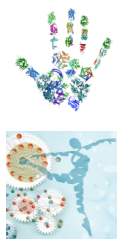
Understanding the Proteome: from study design to data analysis moving through the bench

Naples, 14-17 June 2022





Tuesday, 14 June
Theoretical Sessions



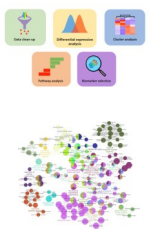
- 10-10.30** Registration and welcome coffee *Opening Remarks, Paola Roncada* Department of Health Sciences University Magna Graecia do Catanzaro, Italy (ItPA President)
- 11-12** • *Opening lecture: The potential of quantitative proteomics, Andrea Urbani* (Catholic University of the "Sacred Heart")
- 12-13** • *Experimental design in proteomics, Tiziana Alberio* (University of Insubria)
- 13-14** Lunch
- 14-15** • *Analytical methods in proteomics, Flora Cozzolino* (CEINGE and University of Naples Federico II)
- 15-15.30** Coffee break
- 15.30-16.30** • *Analytical methods in proteomics for PTMs, Roman A Zubarev* (Karolinska Institute)
- 16.30-17.30** • *Protein identification, Alessio Soggiu* (University of Milan)

Wednesday, 15 June
Hands-on Sessions



- 9-18** 1) *Mass mapping and PTMs identification of H4 histone.*
Peptide mixture will be analysed by MALDI-TOF/TOF.
- 2) *Shotgun label free differential proteomic analysis.*
Peptide mixtures will be analysed by LTQ-Orbitrap XL
- 11.30** Coffee Break
- 13** Lunch
- 16.30** Coffee Break

Thursday, 16 June
Theoretical Sessions
and social event



- 9.30-10.30** • *Methodological approaches in Quantitative Proteomics, Peter Horvatovich* (University of Groningen)
- 10.30-11** Coffee Break
- 11-12** • *Applicative tools for quantitative proteomics, Marianna Caterino* (CEINGE and University of Naples Federico II)
- 12-13** • *Feature selection in quantitative proteomics, Mauro Fasano* (University of Insubria)
- 13-14** Lunch
- 15.30** Cultural event: visit to Campi Flegrei with a guide and social dinner