# EuPA summer school

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

**14-17 June 2022  Napoli, Italy**

## Tuesday, 14 June

### morning

- Morning Arrival and Opening Remarks
  - Opening lecture: The potential of quantitative proteomics, Andrea Urbani (Catholic University of the "Sacred Heart")
  - Experimental design in proteomics, Tiziana Alberio (University of Insubria)
  - Analytical methods in proteomics, Flora Cozzolino (CEINGE and University of Naples Federico II)

### afternoon

- Analytical methods in proteomics for PTMs, Roman A Zubarev (Karolinska Institute)
- Protein identification, Alessio Soggiu (University of Milan)

## Wednesday, 15 June

### practical sessions

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 with an LTQ-Orbitrap XL

## Thursday, 16 June

### morning

- Methodological approaches in Quantitative Proteomics, Peter Horvatovich (University of Groningen)
- Applicative tools for quantitative proteomics, Marianna Caterino (CEINGE and University of Naples Federico II)
- Feature selection in quantitative proteomics, Mauro Fasano (University of Insubria)

### afternoon

- Cultural event: visit to Campi Flegrei with a guide and social dinner

## Friday, 17 June

### morning

- Data interpretation by Systems biology, J Douglas Armstrong (University of Edinburgh)
- Data analysis and interpretation from the practical session, Viviana Greco (Catholic University of the "Sacred Heart") and Oksana Sorokina (University of Edinburgh)

### afternoon

- Functional Proteomics: protein-protein interactions, Maria Monti (CEINGE and University of Naples Federico II)
- Concluding Remarks by ItPA President, Paola Roncada (University of Catanzaro)
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### General Info

**Location**: CEINGE– Biotecnologie Avanzate  
Via Gaetano Salvatore, 486. Napoli  

**Grants**: for ECR (<7 ys from PhD or M.Sc, not permanent position) with a motivation letter  
1 EuPA (dedicated to a non-Italian fellow)  
2 Fondazione ItPA onlus (dedicated to ItPA members)  

**Contacts**:  
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### Registration

- **Subscription (EuPA members)**: 600€  
  (Hotel, lunch included)  
- **Subscription (non-EuPA members)**: 800€

**Max n. of participants**: 16  
**Deadline**: 30th April, 2022

**Register on-line**:  
https://forms.gle/UeMURHNqmjYkW9Zf8

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### Scientific Committee

- **EuPA Executive Board**:  
  Paola Roncada, *President*  
  Viviana Greco, *Vice President*  
  Tiziana Alberio, *Treasurer*, EuPA Education Committee  
  Alessio Soggiu, *Secretary*  
  Maria Monti, *Training Programs*  
  Damiana Pieragostino, *International relationships*  
  Lorenza Putignani, *Fund raising*

- **Margherita Ruoppolo**, *CEINGE and University of Naples Federico II, CEINGE Executive Coordinator*  
  Mauro Fasano, *University of Insubria, Fondazione ItPA onlus*

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### 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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*europroteomics*