





## 19th Annual Meeting

Dates: 22-23 May 2023

Area Science Park, Congress Center, Padriciano 99, Trieste, Italy

# **Program**

Monday, 22<sup>nd</sup> of May

### Workshop

Biophysical methods for protein characterization and quality control

8:45 - 09:20 Arrival and registrations

- 9:20 Welcome and Workshop opening
- 9:30 Perla Vega Dominguez Understanding biomolecular behaviour with mass photometry (Refeyn, sponsor presentation)
- 10:10 Sonia Covaceuszach A closer insight into intermolecular interactions characterization: Hands on Creoptix Wave (IC-CNR)

10:40 - 11:00 Coffee break

#### Methods applied at Elettra for protein structure and binding analysis (FTIR, AFM, Raman, XRD)

- 11:00 Lisa Vaccari Infrared spectroscopy and nanoscopy: new frontiers in protein studies (SISSI beamline @ Elettra)
- 11:20 Barbara Rossi UV Resonance Raman for characterization of proteins (IUVIS beamline @ Elettra)
- 11:40 Loredana Casalis AFM nanotechnology (NanoLab @ Elettra)
- 12:00 Annie Heroux One step further on the protein characterization process: XRD2 dedicated MX beamline at Elettra (XRD2 beamline @ Elettra)
- 12:20 Roberto Santoliquido Triple detector Size Exclusion Chromatography for biomolecules characterization (Alfatest, sponsor presentation)
- 12:50 All Q&A and Closing discussion

13:00 - 14:00 Buffet Lunch (served outside the congress room)

With the patronage of

















### **P4EU Annual Meeting**

#### 14:00 - P4EU openings - Welcome from Organizers (ICGEB and Elettra)

- o Caterina Petrillo President Area Science Park
- Natasa Skoko ICGEB
- o Paola Storici Elettra

#### Protein for integrated structural biology (focus on cryo-EM)

- 14:30 Robbert Kim GridFit: improving protein cryoEM before it hits the grid (Leiden University Medical Centre)
- 15:00 Fabio Lapenta Understanding the structure and function of the human Vault particle (University of Nova Gorica)
- 15:30 Frank Bernhard Cryo-EM structure of a cell-free synthesized GPCR/G-protein complex in nanodiscs (Goethe University Frankfurt)

16:00 - 16:20 Coffee break

#### Methods developments, examples of new ligands, nanobodies, and membrane proteins

- 16:20 Johannes van den Heuvel The value of Transient Gene Expression in High Five insect cells for fast screening and production of eukaryotic membrane proteins (Helmholtz Centre for Infection Research)
- 16:50 Ario de Marco Smaller and smaller: new scaffolds for next generation ligands (University of Nova Gorica)
- 17:20 Svend Kjaer Ilama-based nanobody set-up and experiences and a few recent examples of measuring affinities of Nbs to MP in the Fida1 (The Francis Crick Institute)

#### **New facilities**

- 17:50 Alessandro Scardua HT Facility
- 18:00 Luigi Angelo Scietti IEO Facility

#### 18:30 Bus to Barcola (Social Dinner restaurant)

19:30 Social Dinner (Ristorante al Tramonto - Società Velica di Barcola e Grignano)

22:00 Bus from Social Dinner to Trieste (Piazza Libertà/Train Station)





In collaboration with











### Tuesday, 23rd of May **Morning Session**

• 9:20 Lara Dipace - Presentation of Enterprise Europe Network and case studies

#### Non-conventional expression systems

- 09:40 Kim Remans STAR protocols (EMBL Heidelberg)
- 10:10 Sara Raccovelli Plant molecular farming for the production of biopharmaceuticals: Transactiva's experience, opportunities and challenges (Transactiva)
- 10:40 Johannes Buyel\* Yes you can protein expression screening in plants and plant cells (BOKU University)

#### 11:00 - 11:15 Coffee break

- 11:15 Kerstin Böhm parallel protein purification at midscale and how to use it for industrial drug discovery (AstraZeneca)
- 11:45 Anna Aris/Elena Garcia Lactococcus lactis: a bacterial expression system alternative to E. coli (IRTA)
- 12:15 Bjorn Voldborg The National Biologics Facility, research and development in the interspace between academia and industry (Technical University of Denmark)
- 12:40 Ronen Tchelet\* C1 protein production platform (Dyadic International, Inc.)

13:00 14:00 Buffet Lunch (served outside the congress room)

14.00 Nick Berrow - General discussion P4EU projects: benchmarking activities, COST action 15:00 Closure and greetings

15:30: Bus to Basovizza-Elettra Sincrotrone Laboratories

15:30-18:00: Visit to partner laboratories

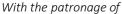
18:00: Bus from Basovizza-Elettra Sincrotrone to Trieste (Piazza Libertà/Train Station)

\*talks in virtual mode











In collaboration with