



Protein Production and Purification Partnership in Europe

Talks and Presentation
Tuesday 2 July:

9:00 - 9:30 in the Forum X0.13

Welcome at the HZI and introduction to the P4EU Meeting

Joop van den Heuvel (HZI) and Susanne Witt (UKE/CSSB)

9:30 - 10:00 P1 (Abstract 4)

In-vivo biotinylation of recombinant proteins by co-expression with BirA in different cell hosts

Christopher Cooper – Charm Therapeutics, London, United Kingdom and Peak Proteins

10:00 - 10:30 P2 (Abstract 7S)

Protein Production optimization proteins in cell lysate

Ping Zhang – Nanotemper, Munich, Germany

Break: 10:30 - 11:00

11:00 – 11:30 P3 (Abstract 3)

Key note lecture:

Three years after – how the AI-based protein structure prediction methods changed molecular biology

Grzegorz Chojnowski - EMBL Hamburg, Germany

11:30 – 12:00 P4 (Abstract 2)

Target 2035: The Goal to Develop a Pharmacological Modulator for Every Human Protein

Nicola Burgess-Brown – SGC UCL, Oxford, United Kingdom

12:00 – 12:30 P5 (Abstract 18S)

FIDA Technology: How to assess kinetics and sample quality directly in solution? Functional validation also in unpurified samples.

Marion Albasini - Fidabio

Break: 12:30 – 14:00

14:00 – 14:30 P6 (Abstract 6S)

Advancing Biomolecular Interaction Analysis with the GatorBio Biolayer Interferometry Technology

Jeroen Schoorl – I&L Biosystems, Waalwijk, Netherlands

14:30 – 15:00 P7 (Abstract 12S)

The eProtein Discovery System™

Chiara Gandini - Nuclera, Billerica, Massachusetts, USA

15:30 – 16:00 P8 (Abstract 17)

Application of the PROSS algorithm for overcoming bottlenecks in recombinant protein expression.

Yoav Peleg - Weizmann Institute of Science, Rehovot, Israel

Break: 16:00 – 16:30

16:30 – 17:00 P9 (Abstract 9)

Destabilization of the E. coli AcrAB-TolC efflux pump by ligand-mediated disruption of TolC-AcrA intrafacial contacts

Björn Windshügel - Fraunhofer ITMP, Hamburg, Germany

17:00 – 17:30 P10 (Abstract 1)

Protein Production Sweden – a national infrastructure giving access to proteins from multiple expression systems

Malin Bäckström – University of Gothenburg, Sweden

17:30 -18:00 P11 (Abstract 11S)

Enhance proteomics with next generation protein sequencing technology from Quantum-Si

Richard Broadhead - Quantum Si, Branford, Connecticut, USA

19:00 P4EU Meeting Dinner (75) in

Wolfenbüttel – Restaurant Cristallo

Transportation: Bus at the main gate departure 18:30. Return to Braunschweig departure

22:30 (Main station Hbf-BS)

Address:

Restaurant Cristallo GmbH. Ristorante – Pizzeria. Goslarsche Straße 14. 38304 Wolfenbüttel.



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Talks and Presentation
Wednesday 3 July:

9:00 - 9:30 P12 (Abstract 13)

Streamlining membrane protein production: Harnessing virus-free transient gene expression in High Five insect cells and detergent-free systems for structural analysis

Jagan Mohan Kaipa, HZI-RPEX, Braunschweig, Germany

9:30 - 10:00 P13 (Abstract 8S)

Revolutionizing Transient Expression with TurboCHO™: A New Area of Protein and Antibody Production

Shuting Xu, GenScript, Rijswijk, Netherlands

10:00 - 10:30 P14 (Abstract 15)

Glycoengineered CHO (geCHO) cell lines for research and development of glycoproteins

Bjorn Vøldborg Bioneer A/S, DTU Bioengineering, Copenhagen, Denmark)

Break: 10:30 - 11:00

11:00 – 11:30 P15 (Abstract 14)

Development of a new production strategy for recombinant HBsAg virus-like Particles suitable for serological screening and structural investigations

Michael Lehky, HZI, IVON and RPEX, Braunschweig, Germany

11:30 – 12:00 Round table discussion:

How do we deal with Artificial Intelligence. ChatGPT, BioGPT, Alphafold3 and Co.

Introduction by Svend Kjaer.

12:00 – 13:00 P4EU Member and Board Meeting– Kim and Nick:

P4EU Maintenance

Invitation of contributions to ("Molecular Insight into Protein Expression") MDPI-IJMS Impact Factor 5.6



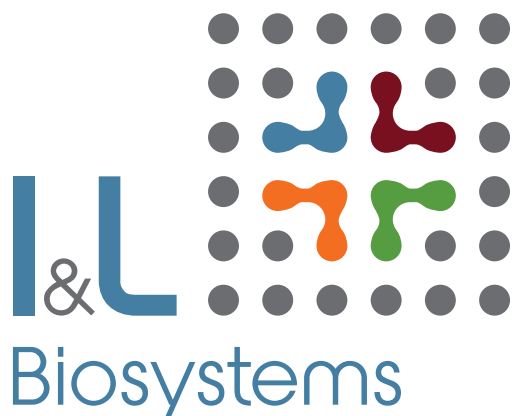
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