

18th P4EU Meeting-Centre for Genomic Regulation (CRG), Barcelona

31st May-1st June 2022.

May 31st 2022

09:30-9:40 *Welcome by Carlo Carolis CRG*

Session 1

09:40-10:15 **Bacterial expression of a designed single-chain IL-10 prevents lung inflammation caused by *Pseudomonas aeruginosa***

Luis Serrano, Director | Centre for Genomic Regulation

10:15-10:50 **The study of interfaces of protein-structures to understand/predict the functional role of proteins**

Baldo Oliva | Pompeu Fabra University (UPF)

10:50-11:20 Networking Café

11:20-11:55 **Building proteins from the ground up: challenges and opportunities of de novo designed proteins**

Enrique Marcos | Institute of Molecular Biology of Barcelona (IBMB)

11:55-12:30 **Update of the prokaryotic translation regulation**

Jae-Seong Yang | Centre for Research in Agricultural Genomics (CRAG)

12:30-14:00 Lunch & sponsorship visit session

Session 2

14:00-14:35 **How MultiBac unlocked COVID19 antiviral and vaccine research in the Berger lab in Bristol**

Imre Berger | University of Bristol

14:35-15:10 **Purification and characterization of native and recombinant gamma-tubulin ring complex**

Thomas Surrey | Centre for Genomic Regulation

15:10-15:45 **Strategies for Chemical Protein Labeling**

Jan-Erik Hoffmann | MPI Dortmund

15:45-16:15 Café

16:15-16:50 **Overcoming the surface exposure barrier with enhanced yeast display platform**

Jiri Zahradnik | Weizmann Institute of Science

16:50-17:15 [Recombinant receptor binding proteins of bacteriophages as versatile tools for pathogen detection](#)

Peter Braun | Bundeswehr Institute of Microbiology

17:15-17:50 [Cell-free production of G-protein coupled receptors for functional and structural studies](#)

Frank Bernhard | Goethe University Frankfurt

17:50-18:25 [Find and cut-and-transfer \(FiCAT\) mammalian genome engineering](#)

Avencia Sánchez-Mejías | Integra Therapeutics

18:25-19:00 [Opportunities for biologists at the ALBA Synchrotron](#)

Fernando Gil Ortiz | ALBA Synchrotron

June 1st, 2022

Session 3

09:30-10:00 [ÅKTA™ and Biacore™: Enabling protein purification and characterization at microscale range](#) *(sponsored talk)*

Enrique Garcia & Néstor Santiago | CYTIVA

10:00-10:30 [Fida 1 – a Multifaceted Biophysics Platform Ideal for Membrane Proteins](#) *(sponsored talk)*

Hasse Hedeby | Fida Biosystems

10:30-11:00 [Is my protein alright? A journey from lysis to storage!](#) *(sponsored talk)*

Pierre Soule | NANOTEMPER

11:00-11:30 Café

11:30-12:00 [Next Generation and Virtual Reality assisted training tools and their application potential](#)

Damjana Kastelic & Jonas Krebs | Centre for Genomic Regulation

12:00-12:30 [Reliable Scale Up with Orbital Shaken Bioreactors](#) *(sponsored talk)*

Tatjana Tufedzic | KUHNER

12:30-14:00 Lunch

Session 4

14:00-16:00 [P4EU discussion \(only for members\)](#)

P4EU members