

Recombinant Protein Expression

3Square Ghent, 22 November 2021

Scientific committee

Jurgen Hastraete (VIB Protein Core, Ghent)

Hannes Vanhaeren (VIB-UGent Center for Plant Systems Biology)

Xavier Saelens (VIB-UGent Center for Medical Biotechnology)

09h25-09h30 **Welcome**

SESSION 1:

9h30-10h15 **Trainer 1** Jurgen Hastraete, VIB Protein Core, UGent, BE

Introduction to recombinant protein expression, production, purification, and quality control

10h15-10h50 **Trainer 2** Ray Owens, Oxford Protein Production Facility-UK, University of Oxford, UK

Overview of a High-Throughput Pipeline for Streamlining the Production of Recombinant Proteins

10h50-11h20 Coffee

SESSION 2:

11h20-11h55 **Trainer 3** Stefan Schillberg, Fraunhofer Institute for Molecular Biology and Applied Ecology IME, DE

Production of recombinant proteins in plantsystems

11h55-12h30 **Trainer 4** Steve Schoonoghe, VIB Nanobody Core, VUB, BE

Nanobody expression strategies - One for each occasion

12h30-13h30 Lunch

SESSION 3:

- 13h30-14h05 **Trainer 5** Julie Andries from the lab of Savvas Savvides, VIB-UGent Center for Inflammation Research, BE
The Ups and Downs of a Chromatogram
- 14h05-14h40 **Trainer 6** Joost Haelewyn, Cytiva, BE
Protein purification in research and process development
- 14h40-15h15 **Trainer 7** Kevin Balcaen, VIB Protein Core, Ghent, BE
Quality Assurance at the VIB Protein Core
- 15h15-15h45 Coffee

SESSION 4:

- 15h45-16h20 **Trainer 8** Bruno Dombrecht, VIB Discovery Sciences, BE
Compromis à la belge: taking the right? biologic to the clinic
- 16h20-16h55 **Trainer 9** Hristo Svilenov, Faculty of Farmaceutical Sciences, UGent, BE
Towards rational development of antibody co-formulations
- 16h55-17h30 **Trainer 10** Fons Bosman, Eurofins Belgium, BE
Development of biologicals at CDMO: R&D with GMP mind-setting
- 17h30-17h40 Closing