



Cell Factories for Industrial Bioproduction

CFIB - Selecting and enhancing expression systems for biomolecules production

Biocitech Paris-Romainville, March 29 and 30th, 2022

Silver Sponsors



Givaudan



Program subject to changes

Day One: TUESDAY MARCH 29th, 2022

- 9:00-9:30 *Welcome coffee*
- 9:30-9:40 **Adebiotech welcome**
Sylvio BENGIO, Adebiotech, France
- 9:45-10:15 **Keynote lecture**
Fayza DABOUSSI, Director Life Sciences at Toulouse White Biotechnology (TWB), France

10:20-12:30 SESSION 1 - INDUSTRIAL BIOPRODUCTION STRATEGIES, Part 1

- 10:20-10:40 **Michael O'DONOHUE**, INRAe
IBISBA European R&D infrastructure
- 10:45-11:05 **John McBRIDE**, Sr. Director R&D, MASCOMA Corp. (Lallemand), Dartmouth College, USA)
New Yeasts for fuel ethanol production
- 11:05-11:30 *Coffee break / exhibitions / posters / networking*
- 11:30-11:50 **Anthony BRESIN**, Chief Technology Officer, HTL Biotechnology, France
Constraints associated to the development of a novel polysaccharide by fermentation
- 12:00-12:30 **FLASH POSTERS PRESENTATION part 1 (4 x 5 min.)**
- 12:30-14:00 **LUNCH BREAK AND EXHIBITION**

14:00-15:40 SESSION 1 (continued) - INDUSTRIAL STRATEGIES, Part 2

- 14:00-14:20 **Frank DELVIGNE**, Professor, [University of Liège, Belgium](#)
Scale-up of microbial processes: a modern light on an old issue
- 14:25-14:45 **Jan-Willem de GIER**, Professor, [Stockholm University, Sweden](#)
Engineering E. coli strains for recombinant Protein production
- 14:50-15:10 **Dominique THOMAS**, CSO/CEO, [Alderys, France](#)
Synthetic biology platforms for yeast engineering
- 15:15-15:35 **Leonardo MAGNESCHI**, Section Head – Molecular Biology, [Ingenza Ltd., Scotland](#)
SynBio A to Z: integrated bioengineering platforms for efficient biomanufacturing in prokaryotic and eukaryotic production systems

15:35- 15:45 FLASH POSTERS PRESENTATION part 2 (2 x 5 min.)

15:45-16:30 *Coffee break / exhibitions / posters / networking*

16:30-17:30 ROUND TABLE 1 - Intellectual property and Licensing

Chairs: Alexis RANNOU, [Givaudan](#) and Fayza DABOUSSI, [Toulouse Biotechnology Institute](#)

Guy HELIN, CEO & Co-Founder, [Syngulon, Belgium](#)

Fabien PALAZZOLI, IP Studies, [Switzerland \(to be confirmed\)](#)

Dominique THOMAS, [Alderys](#)

Lorie HAMELIN, [INSA Toulouse](#)

18:00-19:30 COCKTAIL AND NETWORKING

Day Two: WEDNESDAY MARCH 30th, 2022

9:30-12:30 SESSION 2 - INDUSTRY-SCALE FERMENTATION

- 9:30-9:50 **Hendrik WAEGEMAN**, Head of business operations, [Bio Base Europe Pilot Plant, Belgium](#)
Upstream challenges in scale-up of industrial bioprocesses
- 9:55-10:15 **Wim SOAETERT**, Professor industrial Biotechnology, [BBE, University of Ghent, Belgium](#)
Metabolic engineering for the production of specialty carbohydrates and biosurfactants
- 10:20-10:40 **Lorie HAMELIN**, [INSA Toulouse](#)
Role of industrial biotech within a sustainable national strategy towards zero fossil carbon
- 10:45-11:15 *Coffee break / exhibitions / posters / networking*
- 11:15-11:35 FLASH POSTERS PRESENTATION part 2 (4 x 5 min.)

11:35-12:30 ROUND TABLE 2- industrial biotechnology: sustainability and eco-conception

Chair: **Lorie HAMELIN**, [INSA Toulouse](#)
Clément AURIOL, [Adisseo](#)

12:30-13:30 *LUNCH BREAK AND EXHIBITION*

13:30-15:15 SESSION 3 - EXPRESSION SYSTEMS FOR THERAPEUTIC PROTEINS

- 13:55-14:15 **Philippe LEDENT**, CSO, [Xpress Biologics, Belgium](#)
A molecular biology Toolbox for rapid selection of E. coli expression strains
- 14:20-14:40 **Lars STÖCKL**, Senior Director BD and Technology, [Glycotope GmbH, Germany](#)
GlycoExpress® - an alternative host for difficult to express proteins
- 14:45-15:05 **Peter SCHOTTE**, Section head CMC Pharmaceutical development, [Ablynx a Sanofi company, Ghent, Belgium](#)
Presenting the Pichia based Nanobody expression platform
- 15:10-15:30 *Coffee break / exhibitions / posters / networking*

15:30-17:05 SESSION 4 - EMERGING APPROCHES, TECHNOLOGIES AND TOOLS

- 15:30-15:50 **Muriel BARDOR**, [Université de Rouen, France](#)
Microalgae as alternative cell factory for the production of monoclonal antibodies
- 15:55-16:15 **Moritz VON STOSCH**, [DataHow AG, Switzerland](#)
Hybrid modeling, combining data- and knowledge-driven modeling for fast and systematic upstream process development
- 16:20-16:40 **Guillaume MOTTET**, [Sanofi, France](#)
Microfluidics approaches for antibody selection (Title to be confirmed)

16:45-17:30 ROUND TABLE - Expression systems for therapeutics

Chair: **Jacques DUMAS**, [Sanofi](#)

Thanos BEOPOULOS, [Integrative Biologist Bio-Process Business Unit., Bio-Modeling Systems](#)

18:00 GENERAL CONCLUSIONS - End of the meeting