



# Cell Factories for Industrial Bioproduction

CFIB - Selecting and enhancing expression systems for biomolecules production

*Biocitech Paris-Romainville, March 29 and 30<sup>th</sup>, 2022*

## Sponsors



Givaudan



**Program subject to changes**

## Day One: TUESDAY MARCH 29<sup>th</sup>, 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 J. O'DONOHUE**, INRAe  
*IBISBA: integrating European capacity in industrial biotechnology*
- 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 (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 **Simon TRANCART**, [Altar](#)  
*Unlocking the potential of industrial biotechnology with adaptive evolution*
- 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*
- 15:35-15:55 **Egon HEUSON**, [Ecole Centrale de Lille, France](#)  
*High-throughput strain identification and production of fungal enzymatic cocktails for the valorisation of lignocellulosic biomass*

*16:00-16:30 Coffee break / exhibitions / posters / networking*

## 16:30-18:00 ROUND TABLE 1 - Intellectual property and Licensing

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

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

**Lorie HAMELIN**, [INSA Toulouse](#)

## 18:00-19:30 COCKTAIL AND NETWORKING

## Day Two: WEDNESDAY MARCH 30<sup>th</sup>, 2022

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

9:30-9:50 **Muriël DEWILDE**, Bio Base Europe Pilot Plant, Belgium

*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, eco-conception and new challenges for non-therapeutic bioproduction

Chair : **Lorie HAMELIN**, INSA Toulouse

Clément AURIOL, Adisseo

12:30-13:30 LUNCH BREAK AND EXHIBITION

### 13:55-15:30 SESSION 3 - EXPRESSION SYSTEMS FOR THERAPEUTIC PROTEINS

13:55-14:15 **Mathieu ROCABOY**, Scientific advisor, Xpress Biologics, Belgium

*A molecular biology Toolbox for rapid selection of E. coli expression strains*

14:20-14:40 **Lars STÖCKL**, Managing director, FyoniBio GmbH, Germany

*GlycoExpress® - an alternative host for difficult to express proteins*

14:45-15:05 **Guillaume MOTTET**, Sanofi, France

*Microfluidics approaches for antibody selection* (Title to be confirmed)

15:05-15:25 **Muriel BARDOR**, Université de Rouen, France

*Microalgae as alternative cell factory for the production of monoclonal antibodies*

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

### 16:30-17:10 SESSION 4 - MODELING and EMERGING APPROCHES

16:30-16:50 **Moritz VON STOSCH**, DataHow AG, Switzerland

*Hybrid modeling, combining data- and knowledge-driven modeling for fast and systematic upstream process development*

16:50-17:10 **Manuel GEA**, Bio-Modeling Systems

### 17:15-18:00 ROUND TABLE 3 - Expression of therapeutic proteins *Expression for therapeutic proteins*

Chair: **Jacques DUMAS**, Sanofi

18:00 GENERAL CONCLUSIONS - End of the meeting