



# 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*

*Silver Sponsors*



*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 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 Intervenant en cours  
*Synthetic biology platforms*
- 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 \(to be confirmed\)](#)  
**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 **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, 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

### 13:30-16:15 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*
- 15:05-15:25 **Guillaume MOTTET**, [Sanofi, France](#)  
*Microfluidics approaches for antibody selection (Title to be confirmed)*
- 15 :25-15:45 **Muriel BARDOR**, [Université de Rouen, France](#)  
*Microalgae as alternative cell factory for the production of monoclonal antibodies*

15:45-16:30 *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 **Thanos BEOPOULOS**, BMSystems integrative biology

**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**