



Cell Factories for Industrial Bioproduction

CFIB - Selecting and enhancing expression systems for biomolecules production

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Program in progress subject to changes (update April 8, 2020)

MARCH, 2022

- 8:30-9:00 *Welcome coffee*
- 9:00-9:10 **Adebiotech welcome address**
Sylvio BENGIO, Adebiotech, France
- 9:10-9:35 **Keynote lecture**
Fayza DABOUSSI, Director Life Sciences at Toulouse White Biotechnology (TWB), France

9:40-10:55 SESSION 1 - INDUSTRIAL STRATEGIES, Part 1

- 9:40-10:00 **Sandra CASTANG**, Deinove, France
Deinococcus as a cell factory for carotenoids
- 10:05-10:25 **John McBRIDE**, Sr. Director R&D, MASCOMA Corp. (Lallemand), Dartmouth College, USA
New Yeasts for Fuel Ethanol Production
- 10:30-10:50 **Anthony BRESIN**, Chief Technology Officer, HTL Biotechnology, France
Constraints associated to the development of a novel polysaccharide by fermentation
- 10:55-11:15 *Coffee break / exhibitions / posters / networking*

11:20-12:30 SESSION 1 - INDUSTRIAL STRATEGIES, Part 2

- 11:20-11:40 **Frank DELVIGNE**, Professor, University of Liège, Belgium
Scale-up of microbial processes: a modern light on an old issue
- 11:45-12:05 **Jan-Willem de GIER**, Professor, Stockholm University, Sweden
Engineering E. coli Strains for Recombinant Protein Production
- 12:10-12:30 **Dominique THOMAS**, CSO/CEO, Alderys, France
Synthetic biology platforms for yeast engineering

12:30-13:00 ROUND TABLE - INTELLECTUAL PROPERTY, LICENSING AND SUSTAINABILITY

Chairs: **Alexis RANNOU**, *Givaudan* and **Fayza DABOUSSI**, *Toulouse Biotechnology institute*

Guy HELIN, CEO & Co-Founder, *Syngulon*, Belgium
Fabien PALAZZOLI, IP Studies, *Lausanne Switzerland*
Dominique THOMAS, *Alderys*
Lorie HAMELIN, *INSA*

13:00-14:15 *Buffet lunch / exhibitions / posters / networking*

14:15-15:45 SESSION 2 - FERMENTATION and SUSTAINABLE PRODUCTION

14:15-14:30 **Hendrik WAEGEMAN**, Head of business operations, *Bio Base Europe Pilot Plant*, Belgium

Upstream challenges in scale-up of industrial bioprocesses

14:30-14:50 **Wim SOAETERT**, Professor industrial Biotechnology, *BBE, University of Ghent*, Belgium
Metabolic engineering for the production of specialty carbohydrates and biosurfactants

14:55-15:15 **Lorie HAMELIN**, *INSA*

Role of industrial biotech within a sustainable national strategy towards zero fossil carbon

15:20-15:40 *ADISSEO* and *SOLVAY*, *LCA Case study (Speaker and Title to be confirmed)*

15:45-16:00 PRESENTATION OF SELECTED FLASH POSTERS - Part 1

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

16:30-18:05 SESSION 3 - (session title to be selected)

16:30-16:50 **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

16:55-17:15 *SPEAKER AND TITLE AWAITING CONFIRMATION*

17:20-17:40 *Eurofins* PRESENTATION (*SPEAKER AND TITLE AWAITING CONFIRMATION*)

17:45-18:45 PRESENTATION OF SELECTED FLASH POSTERS - Part 2

19:00-20:30 *Cocktail / Networking*

MARCH, 2022

8:15-8:45 *Welcome coffee*

8:45-12:05 SESSION 4 - IMPROVING EXPRESSION SYSTEMS FOR THERAPEUTIC PROTEINS

- 8:45-9:05 **Philippe LEDENT**, CSO, [X-Press Biologics, Belgium](#)
A Molecular Biology Toolbox For Rapid Selection Of Escherichia Coli Expression Strains
- 9:10-9:30 **Lars STOCKL**, Senior Director BD and Technology, [Glycotope GmbH, Germany](#)
GlycoExpress® - An alternative host for difficult to express proteins
- 9:35-9:55 **Peter SCHOTTE**, Section head CMC Pharmaceutical development, [Ablynx a Sanofi company, Ghent, Belgium](#)
Presenting the Pichia based Nanobody expression platform
- 10:00-10:20 **Muriel BARDOR**, [Université de Rouen, France](#)
Microalgae as alternative cell factory for the production of monoclonal antibodies
- 10:25-10:45 *SPEAKER AND TITLE AWAITING CONFIRMATION*
- 10:50-11:15 *Coffee break / exhibitions / posters / networking*
- 11:20-11:40 *SPEAKER AND TITLE AWAITING CONFIRMATION*
- 11:45-12:05 *SPEAKER AND TITLE AWAITING CONFIRMATION*

12:15-13:00 ROUND TABLE - Expression systems for therapeutics

Chairs: Jacques DUMAS, Sanofi and X

Participants: to be determined

13:00-14:30 Buffet lunch / exhibitions / posters / networking

14:30-16:00 SESSION 5 - EMERGING APPROCHES, TECHNOLOGIES AND TOOLS

- 14:30-14:50 **Jean-Baptiste PENIGAULT**, [BerkeleyLights Inc. Emeryville, USA](#)
Finding the Best Cells for the Cell Factories of Today and Tomorrow with The Beacon® Optofluidic Platform
- 14:55-15:15 **Moritz VON STOSCH**, [GSK Process systems biology](#)
Hybrid modeling, combining data- and knowledge-driven modeling for fast and systematic upstream process development
- 15:20-15:40 **Thanos BEOPOULOS** [Integrative Biologist Bio-Process Business Unit., BMSystems, France](#)
The Full-Human Protein Glycosylation in Yeast CAD1 model ready for experimental validation
- 15:40-16:00 **Guillaume MOTTET**, [Sanofi, France](#)
Microfluidics approaches for antibody selection (Title to be confirmed)
- 16:00-16:45 Coffee break / exhibitions / posters / networking*

16:45-17:15 GENERAL DISCUSSIONS and CONFERENCE CONCLUSIONS

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