

# ENZYNOV'2: Unleashing the power of Enzymes and Biocatalysis for industrial applications: present and future

## *Scientific Conference and Networking*

**October 26-27th 2023**

*Biocitech, Paris-Romainville*

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**DRAFT AGENDA** – update March 27, 2023

*Thursday, October 26, 2023*

**8h30** *Participants registration and welcome coffee*

**9h00-9h05** **Welcome from organizers**  
**Sylvio BENGIO**, Adebiotech, **Juliette MARTIN**, Protéus by Seqens

**9h05-9h45** **Keynote lecture: Novozymes**  
**Jens Erik NIELSEN**, VP of Enzyme Research

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**9h45-13h00** **SESSION 1 – TECHNOLOGY INNOVATIONS IN ENZYME ENGINEERING, PRODUCTION AND ANALYTICS**

*Chairs: Juliette MARTIN, Protéus by Seqens / Magali REMAUD-SIMÉON, INSA Toulouse*

**09h45-10h05** **Olivier VIDALIN**, Proteus by Seqens  
*Tailored-made enzymes for industrial applications: screening from diversity to enzyme engineering.*

**10h05-10h25** **Jean-Christophe BARET**, University Bordeaux, CNRS UMR5031  
*Microfluidics method for enzyme engineering*

**10h25-10h45** **Sophie BARBE**, TBI, Biocatalysis department  
*AI-powered computational design for enzyme engineering*

**10h45-11h05** *Coffee break / exhibitions / posters / networking*

- 11h05-11h25 **Speaker to be confirmed**, EnginZyme (Sweden)  
*Advanced technologies for enzyme immobilization*
- 11h25-11h45 **Rita CRUZ**, Ingenza Ltd (Scotland)  
*Exploiting microbial cell factories to secure the future of industrial enzymatic biocatalysis*
- 11h45-12h05 **Nico SNOEK**, BBEU Ghent Belgium  
*Downstream processing challenges associated to large scale production of enzymes*
- 12h05-12h25 **Philippe PEBAY**, Zymoptiq France  
*Fast, easy, robust disruptive solution for enzyme quantification*

**12h30-13h00** FLASH POSTERS PRESENTATIONS (session 1)

**13h00-14h00** LUNCH BREAK AND NETWORKING

## **14h00-16h00** SESSION 2 – ENZYME INNOVATIONS FOR FOOD/ BEVERAGE and CHEMISTRY APPLICATIONS

Chair: **David GUERRAND**, Lallemand

- 14h00-14h20 **Jacky VANDEPUTTE**  
*Enzymes, key processing aids and additives, essential for enhancing the performance and sustainability of food and feed*
- 14h20-14h40 **Maureen DE WISPELAERE**, DSM  
*How enzymes help you to be more sustainable in food ingredient processing*
- 14h40-15h00 **Laurent DESROUSSEAU**, CINABio chez Adisseo  
*Enzymes for Feed*
- 15h00-15h20 **Jean-Christophe LEC**, Arkema  
*Biocatalysis for Commodity & Speciality Chemistry*

**15h30-16h00** FLASH POSTERS PRESENTATIONS (session 2)

**16h00-16h30** Coffee break / exhibitions / posters / networking

## **16h30-18h30** SESSION 3 – ENZYME INNOVATIONS FOR ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

Chair: **Alexis Rannou**, Givaudan

- 16h30-16h50 **Novozymes**  
*Title and speaker to be confirmed.*
- 16h50-17h10 **Alain MARTY**, Carbios (speaker to be confirmed)  
*Enzymatic plastic recycling*
- 17h10-17h30 **Alexander SANDAHL**, Danish Technological Institute  
*En'Zync methodology and tools able to disrupt recycling of thermoset plastics, thereby supporting the circular future of the global plastics industry (title and speaker to be confirmed)*
- 17h30-17h50 **David DAUDÉ**, Gene&GreenTK, Proxis development group  
*Optimised enzymes for controlling phytopathogens*

**18h00-18h30** FLASH POSTERS PRESENTATIONS (session 3)

**18h30-20h00** COCKTAIL AND NETWORKING

**Friday, October 27, 2023**

**8h30**

*Welcome coffee*

**9h00-10h30**

**SESSION 4 – COSMETICS, PHARMA, HEALTH**

*Chair: Alexis RANNOU, Givaudan Active Beauty*

**9h00-09h30 Cosmetic market application 1**

**Florent YVERGNAUX, Solabia**

*Applications of prebiotic gluco oligosaccharide, ceramide analogs and laccases from Botrytis cinerea*

**09h30-09h50 Cosmetic market application 2**

Speaker to be confirmed, *Givaudan*

**09h50-10h10 Pharma application** Speaker to be confirmed.

**10h30-11h45**

*Coffee break / exhibitions / posters / networking*

**12h00–13h00**

**GENERAL ROUND TABLE AND CONCLUSIONS**

*Chairs: Jacky VANDEPUTTE, / Alexis RANNOU, Givaudan*

*"Enzymes play a critical role in many industrial processes, including the production of food, feed, cosmetic, pharma, textiles, and biofuels, environment... They offer a sustainable alternative to traditional chemical processes in many industries, reducing environmental impact and improving overall sustainability. Advances in enzyme engineering and biotechnology may enable the development of new, more efficient enzymes with a wider range of applications. The use of enzymes in industrial processes can lead to significant GHG reduction, energy savings and reduced waste production."*

- the round table discussion with speakers and members of the audience will cover:
  - **Sustainable impacts in the various currently and future applications**
  - **Waste reduction and energy savings thanks to enzyme use**
  - **enzyme development, future applications and technical, economical, regulatory and social factors influencing the enzyme market development.**
  - **Regulatory concerns**

**Conference summary and recommendations for the future**

**13h00-15h00**

*Buffet Lunch / exhibitions / posters / networking*

**Conference ends at 15:30**

