

# Advanced Fermentation Technology 2026

## *New frontiers in Industrial Biotechnology*

**June 30 and July 1, 2026**

University of Lille – Scientific Campus At Polytech-Lille Av. Paul Langevin, 59655 Villeneuve-d'Ascq

### Context and objectives

Context : This congress is supported by the **ADEBIOTECH think tank** and the **VALOREEMA industrial chair of the University of Lille (Valorization by Extration, Enzyme and Microorganism of Agroressources)**

**The scientific objectives of such a congress are :**

- To advance fundamental understanding of microbial and metabolic mechanisms underpinning fermentation technology
- To explore innovative biotechnological and engineering approaches for optimizing production
- To foster meaningful dialogue between academic researchers and industry leaders to accelerate the translation of scientific discoveries into scalable applications
- To initiate new collaboration between academic and industrial researcher

### Program

- Session 1 – Selecting and Engineering Robust Strains for efficient fermentation
- Session 2 – Advanced Fermentation Systems
- Session 3 – Control Strategies, Machine Learning and Digital Twins for Bioprocess Design
- Session 4 – Autonomous Bioprocessing for Industrial Scalability
- Session 5 – Translational Bioprocessing: From laboratory scale to Industry
- Round table Discussion

### Scientific Committee

Dr. **BOUTET** Julien, *Segens*  
Dr. **BRESIN** Anthony, *AnBreil*  
Prof. **COUTTE** François, *UMRT 1158 BioEcoAgro, University of Lille, Commitee chairman*  
Prof. **DELVIGNE** Frank, *UMRT 1158 BioEcoAgro, Gembloux Agro-Bio Tech, Committee vice-chairman*  
Dr. **GORRET** Nathalie, *Toulouse Biotechnology Institute (TBI)*  
Prof. **JACQUES** Philippe, *UMRT 1158 BioEcoAgro, Gembloux Agro-Bio Tech*  
Prof. **ŁUKASZEWICZ** Marcin, *Wrocław University/InventionBio*  
Dr. **RANNOU** Alexis, *HJD Process et Végétal Techno*  
Prof. **RAVALLEC** Rozenn, *UMRT 1158 BioEcoAgro, University of Lille*  
Prof. **MONSAN** Pierre, *INSA Toulouse*  
Mrs. **WATTEZ** Elodie, *Ingredia*

### Organizing Committee

*UMRT 1158 BioEcoAgro, University of Lille*  
Dr. **COUCHENEY** Françoise  
Prof. **COUTTE** François  
Prof. **CUDENNEC** Benoît  
Prof. **FROIDEVAUX** Rénato  
Dr. **LECOUTURIER** Didier  
Prof. **RAVALLEC** Rozenn, *Commitee chairman*  
Dr. **ROCHEX** Alice  
  
*Adebiotech*  
Dr. **LANDO** Danielle, *Committee vice-chairman*  
Mrs. **TASSET** Patricia  
Dr. **VARKADOS-LEMARECHAL** Margaret  
  
*Bioeconomy for Change – B4C*  
Mrs. **MAGNIN** Audrey