

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, *Seqens*
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Dr. **RANNOU** Alexis, *HJD Process et Végétal Techno*
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Organizing Committee

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Prof. **FROIDEVAUX** Renato
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