

Fundamental aspects of fermentation in different industries

SIAMUF welcomes you to the online seminar on different aspects of fermentation processes in various industries. The **online seminar** will take place on **May 24, 13.00 – 16.30**.

We have a pleasure to welcome the following speakers from both academia and industry:

1. **13.00 – 13.10:** Introduction to the seminar, **Olle Tornblom, Srdjan Sasic**
2. **13.00 – 13.35: Antonius van Maris (KTH, Sweden):** Examples of multiphase flow you might find in a bioreactor:
3. **13.35 – 13.50: Dragana Arlov (Tetra Pak, Sweden):** New Food Fermentation at Tetra Pak
4. **13.50 – 14.10: Pontus Linderholm (Alfa Laval, Sweden):** Fermentation harvest modalities using single use centrifuges
5. **14.10 – 14.20:** Break
6. **14.20 – 14.55: Jerome Morchain (Institut National des Sciences Appliquées de Toulouse, France):** Coupling physical and biological heterogeneities in bioreactors
7. **14.55 – 15.15: Nidia Fernandez Ros (Astra Zeneca, Sweden):** Optimization of cell activation and scaling up of biotransformation using fed-batch mode
8. **15.15 – 15.20:** Break
9. **15.20 – 15.55: Ulrich Krühne (DTU, Denmark):** CFD Assisted Scale Analysis in Bioprocesses.
10. **15.55 – 16.30: John Finch (Astra Zeneca, USA):** Predictive Computational Modeling of a 4,000L Single Use Bioreactor.

Each of the presentations will involve 5 min for a discussion.