



6th BioProScale Symposium

30 MARCH TO 1 APRIL 2020, BERLIN, GERMANY

Three-day symposium about industrial scale bioprocess intensification from process development to large-scale understanding

Scale-up and scale-down for accelerated bioprocess development and optimisation

- + Industrial-scale bioprocessing
- + Process analytical technologies (PAT)
- + High-throughput bioprocessing and automation
- + Single-use bioreactors and applications
- + Bioprocesses for a circular economy
- + Microsystems for bioprocesses
- + Special session: Biotechnology in Latin America



www.biopro-scale-conference.org



VENUE: LANGENBECK-VIRCHOW-HAUS, LUISENSTR. 58/59, 10117 BERLIN, GERMANY

Scale-up and scale-down for accelerated bioprocess development and optimisation

■ Target groups

Producers of biogas and enzymes, antibiotic production, bioprocess development, pharmaceutical bioprocesses, brewery processes, providers for sensor and software tools – experts from research & development and industrial practice

■ Topics

Industrial-scale bioprocessing

Scale-down and scale-up approaches, industrial-scale operation, population heterogeneity, process monitoring and advanced control, modelling of industrial-scale processes, mixing and reactor characterization, process robustness and repeatability, integrated upstream and downstream operations.

Process analytical technologies (PAT)

Multiparameter analysis, non-invasive sensors, single-cell based monitoring, soft sensors, fault identification and diagnosis, multiposition measurements, data handling and exploration, monitoring and control of co- and mixed cultures.

High-throughput bioprocessing and automation

Lab automation and robotics, automated screenings in bioprocess development, DoE, model based experimental designs, algorithm based operations and operational space characterisation, evolutionary strategies for strains and processes, communication trends for dynamic device operation and data flow, high-throughput strain engineering.

Single-use bioreactors and applications

Reactor types from μl to m^3 , sensors for single-use processes, continuous processing, scalability, sustainability, modular manufacturing, microbial and mammalian / plant cell cultures.

Bioprocesses for a circular economy

Waste streams to value-added products, pretreatment, feedstock flexibility, scale-up / scale-down of biorefinery concepts, closed carbon cycles, smart bioproduction grids, decentralised production.

Microsystems for bioprocesses

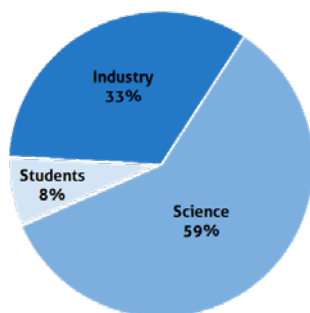
Miniaturisation through microelectronics, physical sensors, biosensors, intelligent microwell plates, co-integration of microfluidics, lab-on-chip systems.

Special session: Biotechnology in Latin America

■ Delegate profile

BioProScale Symposium 2018

(total attendance 274 delegates from 22 countries)



* Fees are subject to early booking until 13 February 2020

** IfGB is a brand of the Versuchs- und Lehranstalt für Brauerei in Berlin (VLB) e.V.

■ Organisers

The 6th BioProScale Symposium is jointly organised by the Technische Universität Berlin, Chair of Bioprocess Technology, and the Institute for Gaerungsgewerbe und Biotechnologie zu Berlin (IfGB).**

■ Conference days

30 March to 1 April 2020 (Mon–Wed)
With accompanying exhibition

■ Location

Langenbeck-Virchow-Haus
Luisenstr. 58/59
10117 Berlin (Mitte), Germany
www.langenbeck-virchow-haus.de

■ Language

Congress language is English.

■ Contact

Prof. Dr. Peter Neubauer

TU Berlin – Department of Bioprocess Technology
Phone +49 30 314 72573
peter.neubauer@tu-berlin.de
or IfGB Berlin, Olaf Hendel, hendel@vlb-berlin.org

■ Attendance fee*

Participants from industry:	990 € incl. VAT
Participants from scientific institutions:	550 € incl. VAT
PhD/MSc students:	280 € incl. VAT
Conference dinner:	65 € incl. VAT

■ Scientific Advisory Board

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■ Exhibition & Sponsoring

For information about the accompanying exhibition and sponsoring please contact Olaf Hendel, hendel@vlb-berlin.org

Check our website for regular updates:

www.bioproscale-conference.org

5th BioProScale Symposium 2018

4th BioProScale Symposium 2016

