



PRESS RELEASE



Symposium on large-scale bioreactors in Berlin

(Berlin, July 2009) The first BioProScale Symposium “Inhomogeneities in large-scale bioreactors: Description – scaling – control” takes place from 24 to 27 November 2009 in Berlin, Germany. The symposium is targeted at experts from research & development and industrial practice from producers of biogas, enzymes, antibiotic production, bioprocess development, pharmaceutical bioprocesses and brewery processes. Registration is now open at www.ifgb.de/bioproscale.

Large scale bioprocesses are non-homogenous systems which are generally characterized by lower biomass yield and different metabolic rates if compared to small scale laboratory processes. Various approaches have been undertaken in the past to characterize large scale bioreactors, to understand the biology of large-scale systems, to develop 2D and 3D computational models and tools to simulate such processes in laboratory scale. “Our aim is to bring stakeholders which work with different large-scale bioprocesses, for example biogas, brewing, enzymes and metabolite production or pharmacy, together to discuss their experiences and research needs” says Prof. Dr. Peter Neubauer, Head of the Chair of Bioprocess Technology of Technische Universität Berlin and organiser of the symposium.

The core symposium topics will include in particular:

- Mixing in large-scale bioreactors
- Cell physiology in large scale bioprocesses
- Sensors and sampling in large scale bioprocesses
- Computational tools (softsensors, 2D and 3D modeling, software for scale-up/scale-down)
- Small-scale laboratory simulators of the large scale

The symposium is jointly organised by the Technische Universität Berlin, Chair of Bioprocess Technology, and the Institute for Gaerungsgewerbe und Biotechnologie zu Berlin (IfGB) in cooperation with the BioProScale-Network.

More information and registration at www.ifgb.de/bioproscale.

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