



CONSISTENT BIOPROCESS DEVELOPMENT

New Expression Systems
and Technologies

Symposium

March 1, 2013
10:00 - 17:30

Technische Universität Berlin



Institut für Biotechnologie
Technische Universität Berlin
Bioverfahrenstechnik



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Event in frame of the German-South African Year of Science 2012/13

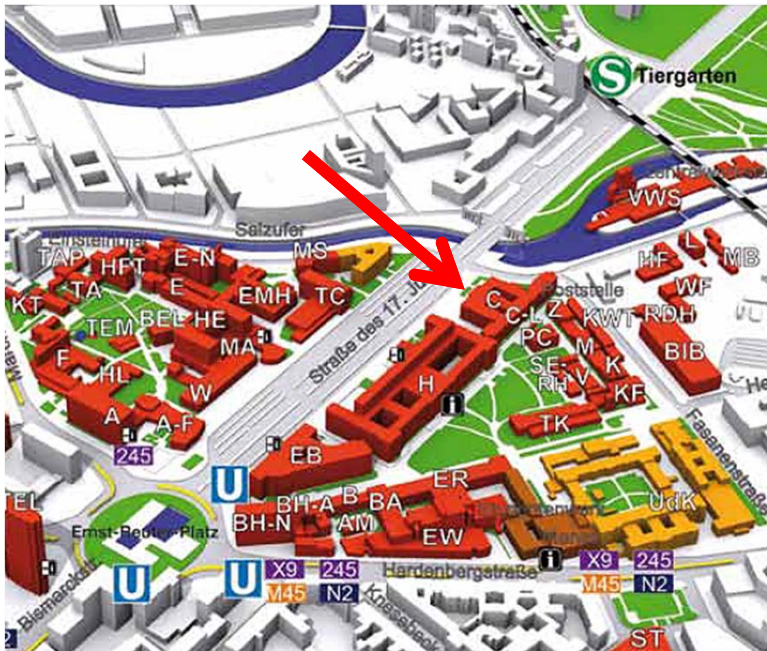
Consistent Bioprocess Development - New Expression Systems and Technologies

PROGRAMME	March 1, 2013		
		14:00 - 14:30	Expression of biosynthetic assembly lines in <i>E. coli</i> for the synthesis of tailored peptides Roderich Süßmuth <i>Chair of Biological Chemistry</i> <i>Technische Universität Berlin, Germany</i>
10:00 - 10:30	Adress of welcome and introduction Peter Neubauer <i>Chair of Bioprocess Engineering</i> <i>Technische Universität Berlin, Germany</i>		
		14:30 - 15:00	Advanced cell engineering: Making very large proteins and keeping them active - example Valinomycin Jian Li <i>Chair of Bioprocess Engineering</i> <i>Technische Universität Berlin, Germany</i>
10:30 - 11:00	Peptide expression in <i>Bacillus halodurans</i> - strain and secretion system engineering Michael Crampton <i>CSIR, Pretoria, South Africa</i>		
		15:00 - 15:30	<i>Aspergillus niger</i> : a cell factory with unlimited prospects Benjamin Nitsche <i>Chair of Applied and Molecular Microbiology</i> <i>Technische Universität Berlin, Germany</i>
11:00 - 11:30	Microbial production of novel biologics using secretory <i>E. coli</i> strains Guido Seidel <i>Wacker Biotech GmbH, Jena, Germany</i>		
		15:30 - 16:00	Coffee break
11:30 - 12:00	Creating novel metabolic routes - example TCP Pavel Dvorak <i>Masaryk University, Brno, Czech Republic</i>	16:00 - 16:30	New high throughput approaches Andreas Knepper <i>Chair of Bioprocess Engineering</i> <i>Technische Universität Berlin, Germany</i>
12:00 - 12:30	Controlled growth strategies Antje Neubauer <i>BioSilta Europe GmbH, Berlin, Germany</i>		
12:30 - 13:30	Lunch break	16:30 - 17:00	Mechanism recognition and new ways for biotechnological process control Nico Cruz <i>Chair of Bioprocess Engineering</i> <i>Technische Universität Berlin, Germany</i>
13:30 - 14:00	New Expression systems for Bacillus based processes Thomas Schweder <i>Ernst-Moritz-Arndt-Universität-Univ. Greifswald, Germany</i>		
		17:00 - 17:30	Introducing non-natural amino acids into proteins Nediljko Budisa <i>Chair of Biocatalysis</i> <i>Technische Universität Berlin, Germany</i>

GENERAL INFORMATION

The expression of recombinant proteins is a standard technology. Despite this, still often the developmental success to produce a protein in high yield and quality is often unsatisfying and takes a lot of labor and time. The symposium „New Expression Systems and Technologies“ in the series Consistent Bioprocess Development is directed to these challenges and discusses new expression systems and strategies as a base for a systematic and successful developmental project. The Symposium is an event in frame of the German-South African Year of Science 2012/13.

DIRECTIONS



VENUE:

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