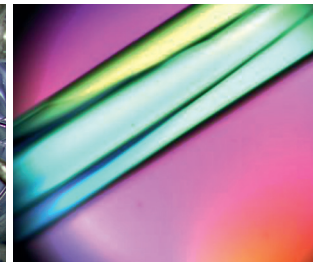
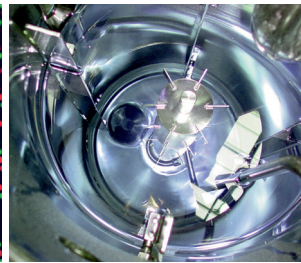
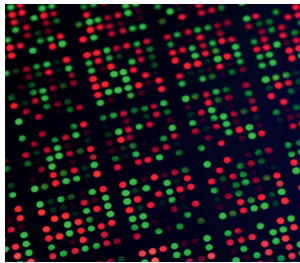


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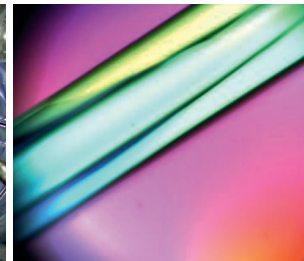
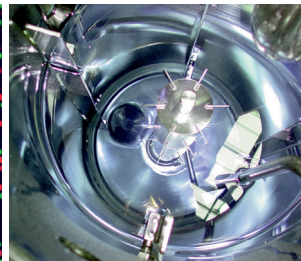
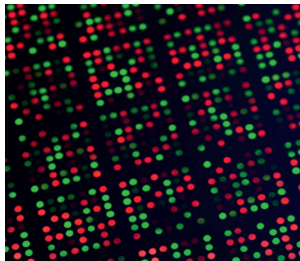


March 14-15, 2016 · TUM-Fakultät für Maschinenwesen
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Monday, March 14, 2016

10:00	Industry presentations and exposition of the joint project „Advanced Biomass Value“ funded by the Federal Ministry of Education and Research
12:00	Registration with snacks and beverages
12.45	Opening and welcome address Speech of Prof. Dr. Dr. h.c. mult. Wolfgang A. Herrmann, President of TUM Speech of Dr. Ronald Mertz, Head of Section “Innovation, Research, Technology”, Bavarian Ministry of Economic Affairs
13:30	Session 1: Enzyme Engineering Chairs: Prof. Dr. Volker Sieber, Prof. Dr. Thomas Brück
13:35	Keynote: Dr. Miguel Alcalde , Institute of Catalysis, CSIC Madrid, “Engineering the Ligninolytic Enzyme Armoury by Directed Evolution”
14:20	Prof. Dr. Ulrich Schwaneberg , Institute of Biotechnology, RWTH Aachen, “Directed Enzyme Evolution: Concepts and Lessons“
14:50	Dr. Wolfgang Schwarz , Department of Microbiology, Technical University of Munich, “Enzymatic Biomass Hydrolysis: Effective Enzyme Complexes for Non-Starch Plant Materials”
15:10	Dr. Martin Hofrichter , International Institute Zittau, Technical University of Dresden, “Fungal Peroxidases: A New Generation of Oxygen-transferring Biocatalysts”
15:30	Coffee break
16:00	Session 2: Metabolic Engineering Chairs: Prof. Dr. Wolfgang Liebl, Prof. Dr.-Ing. Andreas Kremling
16:05	Keynote: Prof. Dr. Uwe Sauer , Institute for Molecular Systems Biology, ETH Zürich, “From Tinkering to Engineering”
16:50	Prof. Dr. Volker F. Wendisch , Genetics of Prokaryotes, Bielefeld University, “Metabolic Engineering of Microbial Cell Factories: Flexible Feedstock Concept and New Bioproducts using <i>Corynebacterium glutamicum</i> ”
17:20	Dr. Alberto Marin-Sanguino , Systems Biotechnology, Technical University of Munich, “Design Principles as a Guide for Metabolic Engineering: Application to Halophiles”
17:40	Dr. Mislav Oreb , Institute of Molecular Biosciences, Goethe University of Frankfurt, “Engineering Subcellular Compartmentalization in Yeast”
18:00	Poster session with Beer and Brez’n
19:30	Conference Dinner – Piano: Sarah Mettenleiter

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Tuesday, March 15, 2016

08:30	Session 3: Bioprocess Engineering
	Chair: Prof. Dr.-Ing. Dirk Weuster-Botz
08:35	Keynote: Prof. Dr. John Woodley , Department of Chemical and Biochemical Engineering, DTU Denmark, <i>"Integrated Bioprocess and Biocatalyst Engineering"</i>
09:20	Prof. Dr. Wolfgang Wiechert , Institute of Bio- and Geosciences, Research Center Jülich, <i>"Bioprocesses from a Single Cell Perspective"</i>
09:50	Dr. Kathrin Castiglione , Institute of Biochemical Engineering, Technical University of Munich, <i>"One-step Expression and Enzyme Immobilization in Bacterial Cellular Envelopes"</i>
10:10	Dr. Doris Hafenbradl , Electrochaea, Planegg (Germany), <i>"Power-to-Gas: From Lab to a 1 MW Scale Plant"</i>
10:30	Coffee break
11:00	Session 4: Bioseparation Engineering
	Chair: Prof. Dr. Sonja Berensmeier
11:05	Keynote: Prof.dr.ir. Luuk van der Wielen , Department of Biotechnology, TU Delft, <i>"Integral biorefining: downstream processing move up"</i>
11:50	Prof. Dr. Jürgen Hubbuch , Biomolecular Separation Engineering, KIT Karlsruhe, <i>"Bioseparation engineering in the biopharmaceutical industry – screening, analytics and modelling"</i>
12:20	Dr. Paula Fraga Garcia , Bioseparation Engineering, Technical University of Munich, <i>"Magnetic Nanoparticles as New Carriers in Downstream Processing"</i>
12:40	Dr. Wouter Van Hecke , VITO, Mol (Belgium), <i>"Process Intensification – A Variety of Solutions Rendering Bioprocesses more Viable"</i>
13:00	Poster awards
13:15	Lunch
14:00	Tours Guided tour for registered participants to the TUM-Pilot Plant for Industrial Biotechnology (Garching) and the TUM Algae Pilot Plant (Ottobrunn)
16:00	Return to conference venue, arrival in Garching approx. at 16:30