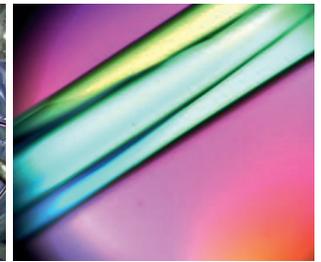
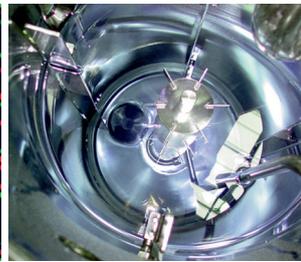
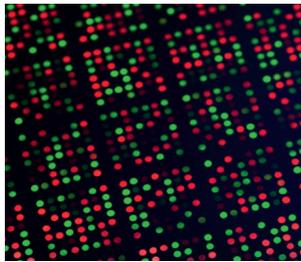


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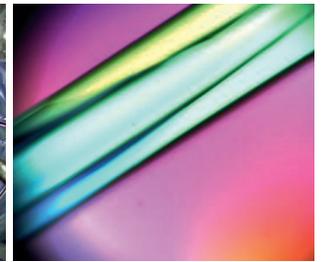
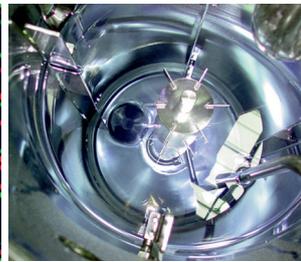
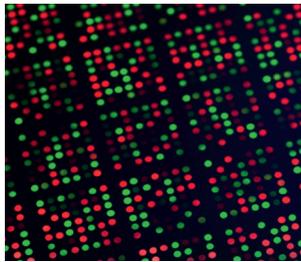


March 14-15, 2016 · TUM-Fakultät für Maschinenwesen  
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## Monday, March 14, 2016

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
<b>12:45</b>	<b>Opening and welcome address</b>
	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
<b>13:30</b>	<b>Session 1: Enzyme Engineering</b>
	Chairs: Prof. Dr. Volker Sieber, Prof. Dr. Thomas Brück
13:35	Keynote: <b>Dr. Miguel Alcalde</b> , Institute of Catalysis, CSIC Madrid, “Engineering the Ligninolytic Enzyme Armoury by Directed Evolution”
14:20	<b>Prof. Dr. Ulrich Schwaneberg</b> , Institute of Biotechnology, RWTH Aachen, “Directed Enzyme Evolution: Concepts and Lessons“
14:50	<b>Dr. Wolfgang Schwarz</b> , Department of Microbiology, Technical University of Munich, “Enzymatic Biomass Hydrolysis: Effective Enzyme Complexes for Non-Starch Plant Materials”
15:10	<b>Dr. Martin Hofrichter</b> , International Institute Zittau, Technical University of Dresden, “Fungal Peroxidases: A New Generation of Oxygen-transferring Biocatalysts”
<b>15:30</b>	<b>Coffee break</b>
<b>16:00</b>	<b>Session 2: Metabolic Engineering</b>
	Chairs: Prof. Dr. Wolfgang Liebl, Prof. Dr.-Ing. Andreas Kremling
16:05	Keynote: <b>Prof. Dr. Uwe Sauer</b> , Institute for Molecular Systems Biology, ETH Zürich, “From Tinkering to Engineering”
16:50	<b>Prof. Dr. Volker F. Wendisch</b> , Genetics of Prokaryotes, Bielefeld University, “Metabolic Engineering of Microbial Cell Factories: Flexible Feedstock Concept and New Bioproducts using <i>Corynebacterium glutamicum</i> ”
17:20	<b>Dr. Alberto Marin-Sanguino</b> , Systems Biotechnology, Technical University of Munich, “Design Principles as a Guide for Metabolic Engineering: Application to Halophiles”
17:40	<b>Dr. Mislav Oreb</b> , Institute of Molecular Biosciences, Goethe University of Frankfurt, “Engineering Subcellular Compartmentalization in Yeast”
<b>18:00</b>	<b>Poster session</b> with Beer and Brez'n
<b>19:30</b>	<b>Conference Dinner – Piano: Sarah Mettenleiter</b>

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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, *"Integrated Bioprocess and Biocatalyst Engineering"*

09:20 **Prof. Dr. Wolfgang Wiechert**, Institute of Bio- and Geosciences, Research Center Jülich, *"Bioprocesses from a Single Cell Perspective"*

09:50 **Dr. Kathrin Castiglione**, Institute of Biochemical Engineering, Technical University of Munich, *"One-step Expression and Enzyme Immobilization in Bacterial Cellular Envelopes"*

10:10 **Dr. Doris Hafenbradl**, Electrochaea, Planegg (Germany), *"Power-to-Gas: From Lab to a 1 MW Scale Plant"*

### 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, *"Integral biorefining: downstream processing move up"*

11:50 **Prof. Dr. Jürgen Hubbuch**, Biomolecular Separation Engineering, KIT Karlsruhe, *"Bioseparation engineering in the biopharmaceutical industry – screening, analytics and modelling"*

12:20 **Dr. Paula Fraga Garcia**, Bioseparation Engineering, Technical University of Munich, *"Magnetic Nanoparticles as New Carriers in Downstream Processing"*

12:40 **Dr. Wouter Van Hecke**, VITO, Mol (Belgium), *"Process Intensification – A Variety of Solutions Rendering Bioprocesses more Viable"*

### 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