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## Program

Thursday, June 15, 2017

### Biorefinery

*Venue: National Technical Library, Balling Hall*

Chairpersons: **Petra Patáková** *Department of Biotechnology, UCT Prague, Czech Republic*, **Ivana Márová** *Institute of Food Science and Biotechnology, Brno University of Technology, Czech Republic*, **Murray Moo-Young** *University of Waterloo, Canada*

- 10:30** How to convert lignocellulose to biosurfactants within a biorefinery (Invited lecture)  
**Suzanne Zibek** *Fraunhofer Institute for Interfacial Engineering and Biotechnology, Germany*
- 10:55** Vibrational spectroscopy for monitoring lipogenesis in microbial cells (Invited lecture)  
**Volha Shapaval, Achim Kohler** *Norwegian University of Life Sciences, Norway*
- 11:20** Integrating production of PHA into bio-refinery concept – shedding light also on specific consequences of non-optimal cultivation conditions (Invited lecture)  
**Stanislav Obruča** *Institute of Food Science and Biotechnology, Brno University of Technology, Czech Republic*
- 11:45** Bench-scale production of polyhydroxyalkanoates and other valuable biomaterials from xylose-rich lignocellulosic hydrolysates (Invited lecture)  
**Maria Catarina Marques Dias de Almeida** *Technical University of Lisboa, Portugal*
- 12:10** Consolidated production of Volatile Fatty Acids from plant biomass using defined and natural microbial consortia  
**Charilaos Xiros** *School of Agricultural, Forest and Food Sciences, Bern University of Applied Sciences, Switzerland*
- 12:30-13:30** Lunch
- 13:30** Comprehensive Characterization of Lignin and its Degradation Products: Approaches and Challenges (Invited lecture)  
**Alena Kubátová** *University of North Dakota, USA*
- 13:55** *Rhodothermus marinus* – A New Platform Organism for Industrial Biotechnology (Invited lecture)  
**Eva Nordberg Karlsson**
- 14:20** Simultaneous saccharification and fermentation of steam pretreated beech wood with in situ *Irpex lacteus* treatment (Invited lecture)  
**Simone Brethauer** *School of Agricultural, Forest and Food Sciences, Bern University of Applied Sciences, Switzerland*
- 14:55-15:30** Coffee break

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**15:30** The holistic biorefinery concept: from by-product to high value – case study

**Marcin Łukaszewicz** *Uniwersytet Wrocławski, Faculty of Biotechnology, Poland*

**15:55** Application of onsite produced cellulase in lignocellulosic biorefinery for bioethanol and lactic acid production using freshly pretreated materials

**Abdul Sattar Qureshi** *University of Sindh, Pakistan*