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## Program

Thursday, June 15, 2017

### Industrial Biotechnology

*Venue: National Technical Library, Hall 01*

Chairpersons: **Diego Schmidhalter** *Lonza AG, Visp, Switzerland*, **Miroslav Šoóš** *Department of Chemical Engineering, UCT Prague, Czech Republic*

- 10:30** Model-driven process design for improved antibody glycosylation  
**Cleo Kontoravdi** *Department of Chemical Engineering, Imperial College London, Great Britain*
- 10:55** Medium and Process Development for Next-Generation Perfusion Processes (Invited lecture)  
**Jochen Sieck** *Merck KGaA, Darmstadt, Germany*
- 11:20** Optimization of mAb glycosylation produced in mammalian cell cultures (Invited lecture)  
**Miroslav Šoóš** *Department of Chemical Engineering, UCT Prague, Czech Republic*
- 11:45** Scale-up in the single use age: Does geometry matter? (Invited lecture)  
**Colin Jaques** *Lonza Biologics, Slough, Great Britain*
- 12:10** Optimization of microbial hyaluronic acid fermentation by metabolomic approach (Invited lecture)  
**Lukáš Franke** *Contipro, Czech Republic*
- 12:30-13:30** Lunch
- 13:30** Systems and synthetic biology approaches to accelerate bio-systems engineering (Invited lecture)  
**Beat Christen** *Institute of Molecular Systems Biology, ETH Zürich, Switzerland*
- 13:55** Cell-free expression as a new alternative for difficult-to express-proteins (Invited lecture)  
**Sandra Cortes** *Syntheliss, Grenoble, France*
- 14:20** White Biotechnology for the Production of Flavor and Fragrance ingredients (Invited lecture)  
**Michel Schalk** *Firmenich SA, Switzerland*
- 14:45-15:30** Coffee break
- 15:30** Concurrent optimization strategies for high level protein production: Process, strain and expression engineering (Invited lecture)  
**Astrid Weninger** *TU Graz, Austria*

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- 15:55** Fast track expression and production of proteins with Lonza's XS<sup>TM</sup> Pichia Platform (Invited lecture)  
**Christoph Kiziak** *Lonza AG, Visp, Switzerland*
- 16:20** Using a systematic approach to accelerate bioprocess development: methanol-free manufacturing with *Pichia pastoris* (Invited lecture)  
**Verena Looser** *Zürich University of Applied Sciences ZHAW, Wädenswil, Switzerland*
- 16:45** USP and DSP projects of the Biotechnological Pilot Plant - the Institute of Microbiology, the Czech Academy of Sciences (Invited lecture)  
**Aleš Prell** *Institute of Microbiology, the Czech Academy of Sciences, Czech Republic*
- 17:05** Model based high cell density continuous cultivation of *A. latus* for biopolymer (PHB) production  
**Ashok Kumar Srivastava** *Department of Biochemical Engineering and Biotechnology, IIT Delhi, India*