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## Program

Friday, June 16, 2017

### Medical Biotechnology

*Venue: National Technical Library, Balling Hall*

Chairpersons: **Jana Pěkníková** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*, **Peter Šebo** *Institute of Microbiology, the Czech Academy of Sciences, Czech Republic*, **Jan Dohnálek** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*

- 10:30** Electron transport chain disruption as a new strategy to suppress Her2high breast cancer (Invited lecture)  
**Kateřina Rohlenová** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 10:55** Immunogenic cell death in lung cancer immunotherapy (Invited lecture)  
**Irena Adkins Sotio**, *Czech Republic*
- 11:20** Evaluating the quality of male sperm cells with monoclonal antibodies (Invited lecture)  
**Jana Pěkníková** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 11:45** Monoclonal and polyclonal antibodies as tools for the study of proteins in the male reproductive tract (Invited lecture)  
**Pavla Postlerova** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 12:10** Zinc-dependent 3' nucleases related to treatment of human diseases (Invited lecture)  
**Tomáš Koval** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 12:30-13:30** Lunch
- 13:30** Development of novel biologics for prostate cancer imaging (Invited lecture)  
**Zora Nováková** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 13:55** (Glyco)peptide mimetics derived from albumin-binding domain scaffold as tools for induction of neutralizing antibodies against HIV-1 gp120 glycoprotein (Invited lecture)  
**Petr Malý** *Institute of Biotechnology, the Czech Academy of Sciences, Czech Republic*
- 14:20** Streptavidine-based system for antigen delivery and vaccination  
**Ondřej Staňek** *Institute of Microbiology, the Czech Academy of Sciences, Czech Republic*
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- 14:45** Biotechnology aspects of PIXL methodology (photo-induced cross-linking): A tool for structural biochemistry  
**Miroslav Šulc** *Department of Biochemistry, Faculty of Science, Charles University, Czech Republic*
- 15:10** Bordetella pertussis and its adenylate cyclase toxin: How it works and how to use it (Invited lecture)  
**Peter Šebo** *Institute of Microbiology, the Czech Academy of Sciences, Czech Republic*
- 15:35** Computer-assisted engineering of fibroblast growth factors  
**Gabriela Daňková** *Loschmidt Laboratories, Department of Experimental Biology & RECETOX, Masaryk Univezity, Czech Republic*
- 16:00** Targeting the stress signaling in cancer (Invited lecture)  
**Jaroslav Zelenka** *Department of Biochemistry and Microbiology, UCT Prague, Czech Republic*