

CIISB Kick-off Meeting

5–7/12/2016 **Hotel Kurdějov**

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Programme

Monday, December 5, 2016

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| 11:30–13:00 | LUNCH |
| 13:00–13:30 | CIISB Introduction (V. Sklenář, J. Dohnálek, O. Hradil, K. Vágnerová) |
| Lectures | |
| 13:30–14:00 | Bohdan Schneider: Structure-function studies of interactions between Interferon-gamma and extracellular portions of its receptors R1 and R2 |
| 14:00–14:30 | Peter Lukavsky: Structural insights into aberrant splicing of CFTR exon 9 |
| 14:30–15:00 | Lukáš Trantírek: Non-canonical telomeric DNA structures |
| 15:00–15:30 | Kvido Stříšovský: Intramembrane proteolysis and cell signaling - understanding evolutionary creativity at a structural and cellular level |
| 15:30–16:00 | COFFEE BREAK |
| CEITEC Core Facilities in detail | |
| 16:00–16:20 | Josef Houser: Biomolecular Interactions and Crystallization |
| 16:20–16:40 | Jaromír Marek: X-ray Diffraction and Bio-SAXS Core Facility |
| 16:40–17:00 | Jan Příbyl: Nanobiotechnology Core Facility |
| 17:00–17:20 | Radovan Fiala: Josef Dadok National NMR Centre |

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| 17:20–17:40 | Jiří Nováček: Cryo-electron Microscopy and Tomography |
| 17:40–18:00 | Zbyněk Zdráhal: Proteomics Core Facility |
| 18:30–20:00 | DINNER |
| 20:00–22:00 | Roundtable |

Tuesday, December 6, 2016

| Lectures | |
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| 8:30–9:00 | Tomáš Obšil: Structural insight into the 14-3-3-dependent regulation of neutral trehalase Nth1 |
| 9:00–9:30 | Evžen Bouřa: Hijacking of human co-factors by +RNA viruses to phosphorylate membranes: structural and functional point of view |
| 9:30–10:00 | Petr Novák: Structural mass spectrometry: A novel tool to study transcription factor/DNA interaction |
| 10:00–10:30 | Vítězslav Bryja: Wnt signaling field seeks help from structural biologists! |
| 10:30–11:00 | COFFEE BREAK |
| BIOCEV Core Facilities in detail | |
| 11:00–11:20 | Tatsiana Charnavets: Biophysical Techniques |
| 11:20–11:40 | Jiří Pavlíček: Crystallisation of Proteins and Nucleic Acids |
| 11:40–12:00 | Frederic Vellieux: Diffraction Techniques |
| 12:00–12:20 | Petr Pompach: Structural Mass Spectrometry |
| 12:30–13:30 | LUNCH |

Lectures

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| 13:30–14:00 | Jan Hejátko: Integrating cytokinin and ethylene signaling in Arabidopsis – the lesson from sensor structure |
| 14:00–14:30 | Lumír Krejčí: Regulation of homologous recombination and its relevance to cancer predisposition |
| 14:30–15:00 | Jakob Andreasson: Applications in molecular, bio-medical and material science at ELI Beamlines |
| 15:00–15:30 | Martin Anger: Importance of size control |
| 15:30–16:00 | COFFEE BREAK |
| 16:00–16:30 | Pavína Maloy Řezáčová: Structure-assisted design of enzyme inhibitors |
| 16:30–17:00 | Peter Šebo: Why does whooping cough agent spread again and how does its adenylate cyclase toxin work |
| 17:00–17:30 | Jan Dohnálek: Zinc dependent 3'-nucleases/nucleotidases from plants, fungi and bacteria – varied roles and specificity |
| 17:30–18:00 | Jiří Vondrášek: From direct to indirect readout, DNA/Protein recognition by means of bioinformatics and computational analysis |
| 18:30–20:00 | DINNER |
| 20:00–22:00 | Roundtable |

Wednesday, December 7, 2016

| Lectures | |
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| 9:00–9:30 | Cyril Bařinka: Substrate specificity of human histone deacetylases 6 |
| 9:30–10:00 | Pavel Plevka: Mechanisms of virus genome delivery |
| 10:00–10:30 | Vojtěch Spiwok: Current trends in modelling of slow biomolecular processes by short simulations |
| 10:30–11:00 | Václav Veverka: Structural basis of LEDGFp75 physiological interactions |
| 11:00–11:30 | Closing discussion |
| 11:30–12:00 | LUNCH |