



CIPKeBiP startup conference  
Ljubljana, Slovenia, 15-16 March, 2010

**CIPKeBiP founding members:**

[Institute Jozef Stefan](#)

Faculty of medicine, University of Maribor

Institute of Public Health, Maribor

Faculty of medicine, University of Ljubljana

Biotechnical faculty, University of Ljubljana

University Medical Centre Ljubljana

[TikhePharma Ltd.](#)

Lek Pharmaceuticals d.d., Ljubljana

JENKO Ltd.

ACIES BIO, Ltd

Medis Ltd.

Monday, 15th March

8:30 – 09:00 Registration

### Conference opening

09:00 – 09:10	<i>Opening words (in Slovene language)</i> <b>Dušan Turk</b> (CIPKEBIP, acting Director)
09:10 – 09:15	<i>Welcome greetings (in Slovene language)</i> <b>Gregor Golobič</b> (Minister of science, higher education and technology of Republic Slovenia)

### Session 1: Structural Biology Today

09:15 – 10:00	<i>Opening lecture: Structure Leading in Biological Discovery</i> <b>Wayne Hendrickson</b> (Columbia University, NY, USA)
10:00 – 10:10	Short break
10:10 – 10:50	<i>Clean technological fixes and messy biological problems, examples from synchrotrons and viruses respectively</i> <b>David Stuart</b> (Wellcome Trust Centre for Human Genetics, Oxford, UK)
10:50 – 11:30	<i>Light-driven ion pumping: Europe vs. USA</i> <b>Hartmud Luecke</b> (UCI Irvine, CA, USA)
11:30 – 12:00	Coffee break
12:00 – 12:25	<i>The interplay between macromolecular crystallography and single-particle electron microscopy: structural basis of the MCM helicase activity</i> <b>Silvia Onesti</b> (Elettra, Trieste, Italy)
12:25 – 12:50	<i>Structure and function of the small laccase from <i>Streptomyces coelicolor</i></i> <b>Jan Dohnalek</b> (Inst. of Macromolecular Chemistry, Academy of Sciences, Prague, Check Republic)
12:50 – 13:15	<i>The Structure of Environmental Allergens and Structure-based Epitope Mapping</i> <b>Walter Keller</b> (Inst. for Molecular Sciences, Graz, Austria)
13:15 – 14:00	<i>Intracellular protein degradation, basic research and application</i> <b>Robert Huber</b> (MPI Martinsried, Germany)
14:00 – 15:30	Lunch break

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**Session 2: “Visions of CIPKeBiP” - talks of principle investigators**

15:30 – 15:40		<b>Franc Strle</b> (University Medical Centre Ljubljana)
15:40 – 15:50		<b>Variability of bacterial virulence factors and correlation with disease severity</b> <b>Maja Rupnik</b> (Institute of Public Health, Maribor)
15:50 – 16:00		<i>Vesicle Traffic in Astrocytes</i> <b>Marko Kreft</b> (Faculty of medicine, University of Ljubljana)
16:00 – 16:10		<i>Lysosomes and lysosomal proteases in anticancer treatment</i> <b>Boris Turk</b> (Jozef Stefan Institute, Ljubljana)
16:10 – 16:20		<i>Secretory phospholipases A2 in health and disease</i> <b>Igor Križaj</b> (Jozef Stefan Institute, Ljubljana)
16:20 – 16:30		<i>Protein modifications in regulated exocytosis</i> <b>Marjan Rupnik</b> (Faculty of medicine, University of Maribor)
16:30 – 16:40		<i>Insights into biomolecular mechanisms at atomic level</i> <b>Dušan Turk</b> (Jozef Stefan Institute, Ljubljana)
16:40 – 17:10		Coffee break
17:10 – 17:20		<i>Green organic chemistry. Chemistry for a sustainable development.</i> <b>Stojan Stavber</b> (Jozef Stefan Institute, Ljubljana)
17:20 – 17:30		<i>Machine learning for integrative data analysis.</i> <b>Saso Dzeroski</b> (Jozef Stefan Institute, Ljubljana)
17:30 – 17:40		<i>Impact of Tyr to Ala mutations on alpha-synuclein fibrillation and structural properties.</i> <b>Natasa Poklar</b> (Biotechnical faculty, University of Ljubljana)
17:40 – 17:50		<i>Extremophilic fungi as a source of proteins involved in adaptation to stressful conditions.</i> <b>Nina Gunde Cimerman</b> (Biotechnical faculty, University of Ljubljana)
17:50 – 18:00		<i>Rational design of polyketide natural products.</i> <b>Hrvoje Petkovic</b> (Acies Bio)
18:00 – 18:10		<i>Lek Pharmaceuticals d.d. - an industry member of the CoE CIPKeBiP.</i> <b>Aleš Premzl</b> (Lek-Sandoz)
19:30		Conference dinner - Gostilna “Pri Žabarju”

Tuesday, 16th March

### Session 3: Project discussion

09:15 – 10:45		<i>Mechanisms and Pathways of Immune response (main lecture hall)</i>
09:15 – 10:45		<i>Adaption Mechanisms of Extremofiles to Environment (room B220)</i>
10:45 – 11:15		Coffee break
11:15 – 12:45		<i>Inter and Intra Cellular Communications (main lecture hall)</i>
11:15 – 12:45		<i>Protein Bank: Storage and Production of Proteins (room B220)</i>
12:45 – 13:15		Lunch Break

### Session 4: Presentations of commercial companies

#### Wet lab resources (main lecture hall)

14:15 – 14:45		<i>Novosti v opremi in tehnologijah za študij biološko pomembnih molekul na celičnem in proteinskem nivoju</i> <b>Nadja Kern Prezelj</b> (Kemomed d.o.o. - Invitrogen, BioTek, Sanyo, Custom Biogenic Systems)
14:45 – 15:15		<i>Characterization of Proteins with analytical instruments from Shimadzu</i> <b>Marcus Mreyern</b> (Shimadzu Europe)
15:15 – 15:45		<i>AKTExpress - a system with intelligent automation for multi-step purification of Monoclonal antibodies and Recombinant proteins.</i> <b>Richard Feike</b> (GE Healthcare Life Sciences)
15:45 – 16:15		Coffee break
16:15 – 16:45		<i>QIAGEN Automated Solutions.</i> <b>Martin Krestanpol</b> (Qiagen)
16:45 – 17:15		<i>Tecan High end multimode Readers &amp; Liquid Handling automation. Solutions for Genomics and Proteomics.</i> <b>Herbert Reisenbichler</b> (Tecan Austria GmbH)
17:15 – 17:45		<b>Natasa Majcen &amp; Mojca Vek</b> (Mikro + Polo)

<b>Mass spectroscopy &amp; light microscopy (room B220)</b>		
14:15 – 14:45		<i>Carl Zeiss - Excellence in Micro and Nanoworld</i> <b>Peter Amend</b> (Carl Zeiss GMBH)
14:45 – 15:15		<i>New Dimensions in the High End Microscopy</i> <b>Thorsten Kues &amp; Annette Bergter</b> (Carl Zeiss GMBH)
15:15 – 15:45		<i>Nikon confocal microscopes.</i> <b>Herman Fennema</b> (Nikon Europe)
15:45 – 16:15		Coffee break
16:15 – 16:45		<i>Nikon Super Resolutin N-Sim in N-Storm.</i> <b>Herman Fennema</b> (Nikon Europe)
16:45 – 17:15		<i>Solutions for Chemistry and Biology of Proteins in areas of Liquid Chromatography, Mass Spectroscopy and Microcalorimetry</i> <b>Primož Koselj &amp; Primož Meh</b> (Instrumentalia)
17:15 – 17:45		<i>Bruker Daltonics solutions for bioanalytical challenge</i> <b>Kreso Mesaric</b> (Bruker, Analytica)
18:00		<b>Closing remarks</b>

## List of participants

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