

Program letne konference CIPKEBIP 2011

»Biosintezni in metabolni inženiring pri razvoju zdravil in procesov v industriji«

15. september 2011

Institut Jožef Stefan, Jamova cesta 39, Ljubljana, Velika predavalnica

09:00 – 09:30 registracija

Predsedujoča: *Enej Kuščer, Hrvoje Petković*

Otvoritev konference

09:30 – 10:00 pozdravni nagovor Dušan Turk, strokovni direktor CIPKEBIP
pozdravni nagovor predstavnikov slovenskih institucij

10:00 – 10:45 uvodno predavanje: *Iain S. Hunter*
Oxytetracycline - from discovery to genome sequence

10:45 – 11:00 odmor za kavo

11:00 – 13:40 **Sekcija 1 »Biosintetski inženiring in razvoj zdravil«**

- 11:00-11:30 Macrolides - more than antibiotics *Vesna Eraković Haber*
- 11:30-12:00 Towards novel modular polyketide synthases
– lessons learnt from evolution *John Cullum*

12:00-12:10 odmor za kavo

- 12:10-12:40 Biosynthetic Engineering Approaches to Natural
Product Lead Optimization *Steve Kendrew*
- 12:40-13:10 Genomic data analysis - "What would Google do?" *Daslav Hranueli*
- 13:10-13:40 Exploring modularity - Cooperating fungal iterative
polyketide synthases for resorcylic acid lactone
production *Istvan Molnar*

13:40 – 14:40 *kosilo*

14:40 – 15:10 **Sekcija 2 »Predstavitev centrov odličnosti CO ENFIST in CO BIK«**

- 14:40-14:55 Predstavitev dosežkov CO ENFIST *Matjaž Polak*
- 14:55-15:10 Predstavitev dosežkov CO BIK *Rebeka Koncilja*

15:10 – 18:20 **Sekcija 3 »Biologija aktinomicetes in razvoj industrijskih procesov«**

- 15:10-15:40 Manipulation of streptomycete mycelial architecture *Paul Herron*
- 15:40-16:10 Improvement of Erythromycin a purity and
production in Saccharopolyspora erythraea fermentation by
genetic modulation of tailoring genes *Ju Chu*

16:10-16:20 odmor za kavo

- 16:20-16:50 New insights into substrate supply for FK506
biosynthesis *Gregor Kosec*
- 16:50-17:20 Improvement of oxytetracycline production by using
Different genetic engineering strategies " *Meijin Guo*
- 17:20-17:50 Streptomycetes are a source of hydrolytic enzymes
with potential in lipid biotransformation *Dušica Vujaklija*