

PROGRAMME

Monday, October 1, 2012

Travel to Visegrád (bus leaves at 7:15 from Budapest). Arrival around 09:00 to Visegrád, Hotel Honti.

Excursion

Lunch

15:00 Opening remarks Beáta Vértessy

Session 1 (15:30 – 19:30): Uracil-DNA metabolism and regulation in eukaryotes, Chair: Beáta Vértessy

15:30 András Horváth: Coinciding dUTPase expression and replication in *Drosophila melanogaster*

16:00 Júlia Batki: The role of uracil-DNA in *Drosophila melanogaster*

16:30 Ildi Scheer: Uracil containing DNA in Holometabola insects

17:00 Coffee Break

17:30 Soma Zsotér: Uracil detection with a fluorescent labeled, catalytically inactive UNG

18:00 Máté Borsos: Cell cycle-dependent phosphorylation dynamically restricts nuclear availability of human proteins

18:30 Dinner

19:30 Hajni Pálinkás: NLS copy number variation mediates task distribution among cell organelles: a case study of *D. virilis* dUTPase

20:00 Gergő Róna: ZFN mediated knock-out of dUTPase in the human cell line, HCT-116

Tuesday, October 2, 2012

7:00 – 8:00 Running and Breakfast

Session 2 (8:30-11:00): The SAPI mystery, Chair: Judit Tóth

8:30 Vera Kádár: Characterization of *S. aureus* Φ 11 phage dUTPase

9:00 Judit Szabó: Investigation of the mechanism of dUTPase inhibition by *Staphylococcus aureus* pathogenicity island repressor protein

9:30 Kinga Nyíri: Computational screening methodologies for development of amorphous solid dispersions

10:00 Coffee Break

10:30 Ábris Bendes: Structural and phylogenetical analysis of *Staphylococcus aureus* pathogenicity island regulatory elements

Session 3 (11:00 – 12:00): Proteins of interest, Chair: András Horváth

11:00 András Benedek: *Drosophila virilis* dUTPase: conclusions and remaining questions

11:30 Klaudia Kovács: Characterization of a bacterial phenylalanine ammonia-lyase enzyme

13:00 Lunch