

Lecture Program

- 8:00-9:00 Registration
- 9:00-9:15 Opening-Welcome
- 9:15-9:35 **Alexander Bruce**
The first two cell fate decisions of preimplantation mouse embryo development are not functionally independent
- 9:35-9:55 **Andrej Susor**
Temporal and spatial regulation of translation in the mammalian oocyte via the mTOR/eIF4F pathway
- 9:55-10:15 **Natalya Panova**
Noncanonical transcription initiation in bacteria
- 10:15-10:45 COFFEE BREAK
- 10:45-11:30 PLENARY LECTURE I
Sebastian Leidel
When cells become dyslexic - How tRNA modification defects kill
- 11:30-11:50 **Petra Beznosková***
Update on the genetic code: tryptophan and cysteine aa-tRNAs are incorporated at UGAA and UGAG stop codons, respectively
- 11:50-12:10 **Silvia Mrvová***
Utilization of polyadenylation signals of eIF4E1, eIF4E2 and eIF4E3 in acute leukemic cell lines
- 12:10-12:30 **Liam Keegan**
Conserved evolutionary role of ADAR RNA editing enzymes in innate immunity.
- 12:30-15:00 LUNCH & POSTER SESSION
- 13:30-14:15 Odd numbered posters
- 14:15-15:00 Even numbered posters

- 15:00-15:45 **PLENARY LECTURE II**
David Rueda
Watching snRNA dynamics and assembly with single molecule resolution
- 15:45-16:05 **Adriana Roithova***
U snRNA targeting into Cajal bodies
- 16:05-16:25 **Vaclav Urban***
RECQ5 helicase promotes resolution of conflicts between replication and transcription
- 16:25-16:45 **Karolina Sawiuk**
Enzymes of the central carbon metabolism in pentose phosphate pathway: are they linkers between transcription, DNA replication
- 16:45-17:15 COFFEE BREAK
- 17:15-17:35 **Tomasz Kabzinski***
Structural basis for transcription termination coupled to mRNA processing/degradation
- 17:35-17:55 **Dalibor Blazek**
Ovarian carcinoma CDK12 mutations misregulate expression of DNA repair genes via deficient formation and function of the Cdk12/CycK complex
- 17:55-18:15 **Marek Bartosovic***
Repeat the bad to become fat: Role of Fto in regulation of repetitive elements
- 18:15-18:25 CLOSING REMARKS
- 18:25~22.00 DINNER, AWARD ANNOUNCEMENTS, DRINKS, DJ JEŽIŠEK