

# PROGRAMME

Olšina, Czech Republic, October 27



**8:30-10:00 Registration**

**10:00-11:45 Session 1 (Chair: Leoš Valášek)**

10:00 Welcome

10:10 **Marek Šebesta**

Spatial organization of RNA polymerase II•RECQ5 transcriptional condensate

10:25 **Tania Sanchez-Quirante** ©

Modified RNA for translation and CRISPR-Cas studies

10:40 **Pavel Vopálenký**

Identification of m6A modification in viroid RNA using LC-MS and Nanopore direct RNA sequencing

10:55 **David Doležel, Vlastimil Smýkal**

EFLa-type neuropeptide mRNA trans-splicing in hemimetabolous insects

11:10 **Prasoon Kumar Thakur** ©

Unveiling non-Canonical introns and splicing mechanisms in marine diplomonid

11:25 **Martin Volek** ©

Aurora: a fluorescent deoxyribozyme for high-throughput screening

11:40 **Robert Beal**

Bio-Rad Laboratories, sponsor's presentation

**11:45-13:30 Lunch break and poster viewing**

**12:00 Lunch**

**13:30-14:10 Keynote speaker: Sebastian Glatt**

tRNAslational control of eukaryotic gene expression

**14:10-15:20 Session 2 (Chair: Petr Svoboda)**

14:10 **Richard Zelenka**

MGP, sponsor's presentation

14:15 **Kristína Jendruchová** ©

The impact of yeast Tma20/MCTS1, Tma22/DENR and Tma64/eIF2D on translation reinitiation/ribosome recycling

14:30 **Kamila Horáčková**

Transcription and translation of genes encoded by Virus Like Elements

14:45 **Liam Keegan**

An RNA editing-independent function of ADAR1 inhibits PKR activation in mice

15:00 **Dragana Vukič** ©

Understanding human ADAR1's roles in RNA metabolism and innate immune response via protein-protein interactions

15:15 **Vojtěch Andrlé, Vojtěch Ledvina**

East Port, sponsor's presentation

**15:20-16:40 Poster session with coffee and refreshments**

**16:40-17:20 Keynote speaker: Michal Kolář**

Exploring ribosome dynamics through large-scale computer simulations

**17:20-18:40 Session 3 (Chair: Hana Cahová)**

17:20 **Filip Brázdovič** ©

The loss of ribosomal expansion segments in *Saccharomycotina*

17:35 **Julie Kovářová**

Mechanisms behind the non-canonical genetic code of *Blastocrithidia nonstop*

17:50 **Jiří Koubek**

Nascent chain folding and transient polysome rearrangements orchestrate co-translational protein complex assembly in bacteria

18:05 **Zuzana Poláčková** ©

INTS11 mutations in patients with a phenotype overlapping with BRAT1-related disorders

18:20 **Petr Svoboda**

Natural and genetically engineered mammalian canonical RNAi in vivo

18:35 **Student's Prize Voting, Concluding Remarks**

**19:00-??:?? Buffet dinner, party with music**

**20:00 Young Scientists' Prizes announcement**

© indicates eligibility for the Young Scientists' Prizes