

# RNA Club 2018 Programme

Institute of Molecular Genetics ASCR, Hašek lecture Hall, 14.9. 2018

08:00-09:00 REGISTRATION  
09:00-09:10 OFFICIAL OPENING

## Session I – Wild RNA things chair: Hana Macíčková-Cahová

09:10-09:40 **Edward Curtis** (IOCB ASCR)  
*Mechanisms of G-quadruplex biochemical specificity*

09:40-10:00 **Eva Hegedúsová** (Paris lab, Biology Centre CAS)  
*Nuclear tRNA export in *Trypanosoma brucei**

10:00-10:20 **Jiří Pospíšil** (Krásný lab, IMB ASCR)  
*Bacterial nanotubes: morphology, genetic determinants and transfer of macromolecules*

10:20-11:00 COFFEE BREAK

## Session II – Lost in translation chair: Leos Valášek

KEYNOTE LECTURE I

11:00-11:50 **Maria Hatzoglou** (Case Western Reserve University)  
*Surviving cellular stress via adaptive mRNA translation*

11:50-12:10 **Jakub Zeman** (Valášek lab, IMB ASCR)  
*eIF3: A Structural Odyssey. An epic drama of adventure and exploration of yeast eIF3 structure*

12:10-12:30 **Václav Vopálenský** (Pospíšek lab, CUNI)  
*Unconventional 5' and 3' UTRs of yeast linear plasmid mRNAs suggest a novel mechanism of translation*

12:30-12:50 **Agnieszka Ciesielska** (Bio-Rad)  
*The unexplored transcriptome. Long noncoding RNA*

12:50-15:00 LUNCH & POSTERS

## Session III – From RBPs with love chair: Petr Svoboda

KEYNOTE LECTURE II

15:00-15:50 **Gunter Meister** (University of Regensburg)  
*Regulation of gene expression by RNA-binding proteins and non-coding RNAs*

15:50-16:10 **Zuzana Krchňáková** (Staněk lab, IMG ASCR)  
*Polypyrimidine tract sequence determines splicing efficiencies of lncRNAs*

16:10-16:30 **Tomasz Kabziński** (Štefl lab, MUNI-CEITEC)  
*Connecting 5' to 3' activities: Interaction between Rtt103p and Trf4p*

16:30-16:50 **Dagmar Zigáčková** (Vaňáčková lab, MUNI-CEITEC)  
*The effect of the Perlman syndrome DIS3L2 exoribonuclease in the regulation of gene expression*

16:50-17:20 COFFEE BREAK

## Session IV – Nucleotides are forever chair: Štěpánka Vaňáčková

17:20-17:40 **Denisa Jansová** (Susor lab, IAPG)  
*RNA biosensors in living cells - Spatiotemporal mRNA translation*

17:40-18:00 **Anna Šimonová** (Cahová lab, IOCB ASCR)  
*LC/MS analysis of RNA from viral particles*

18:00-18:20 **Anzer Khan** (Keegan lab, MUNI-CEITEC)  
*Deciphering effects of Adar on *Drosophila metamorphosis**

18:20-18:50 **Juan Alfonzo** (Ohio State University)  
*Editing and modification by enzyme co-activation: A 10-year solution to a 25-year problem*

18:50-19:00 CLOSING REMARKS AND AWARDS  
19:00-24:00 DINNER & PARTY

RNA  
Club  
2018

