

RNA Club 2022

Prague, Czech Republic, October 3

PROGRAMME

8:30 – 9:40 **Registration**

Session 1: RNA modification

10:00 – 10:20 **Maria Bianca Mititelu**

Arabidopsis Thaliana Nudixes have RNA decapping activity

10:20 – 10:40 **Kristina Roučová**

Loss of ADAR1 protein induces changes in small RNA landscape in hepatocytes

10:40 – 11:00 **Veronika Rájecká**

An unbiased analysis of interplay between adenosine methylation and mRNA editing

Keynote lecture

11:00 – 11:50 **Finn Werner** (UCL; Structural and Molecular Biology)

The structural basis of RNA polymerase inhibition in response to virus infection

12:00 – 14:30 **Coffee / Lunch / Posters**

Session 2: Transcription and transcription regulation

14:30 – 14:50 **Petra Sudzinová**

Rifampicin, an inhibitor of RNA polymerase, can stimulate transcription

14:50 – 15:10 **Jana Dobrovolná**

DDX17 helicase mediates resolution of transcription-replication conflicts in human cells

15:10 – 15:30 **Hana Hanzlikova**

BRAT1 links Integrator and defective RNA processing with neurodegeneration

15:30 – 15:50 **Flash talks**

Tomáš Groušl

Xrn1 exoribonuclease – intrinsic marker for yeast population growth (“The mystery of P-bodies”)

Jiří Pospíšil

σE of Streptomyces coelicolor can function both as an activator and repressor of transcription

Jaclyn Quin

Targeting Adar1 in malaria

Nandan Varadarajan

Regulation of 5' mRNA fragments by TUT-DIS3L2 pathway and its association with Ago2

Diego Florián

Strategies for activating canonical RNAi in human cells

15:50 – 16:30 **Coffee Break / Posters**

Session 3: Ribosome biogenesis and translation

16:30 – 16:50 **Ondřej Gahura**

Biogenesis of trypanosomal mitoribosomes employs conserved and lineage-specific mechanisms and multitude of assembly factors

16:50 – 17:10 **Anna Smirnova**

Ribosome queuing imposed by a stem-loop in the uORF2/ATF4 overlap region represents yet another level of the ATF4 translational control

Session 4: mRNA stability and processing

17:10 – 17:30 **Andrej Šušor**

CPEB3 makes a good egg

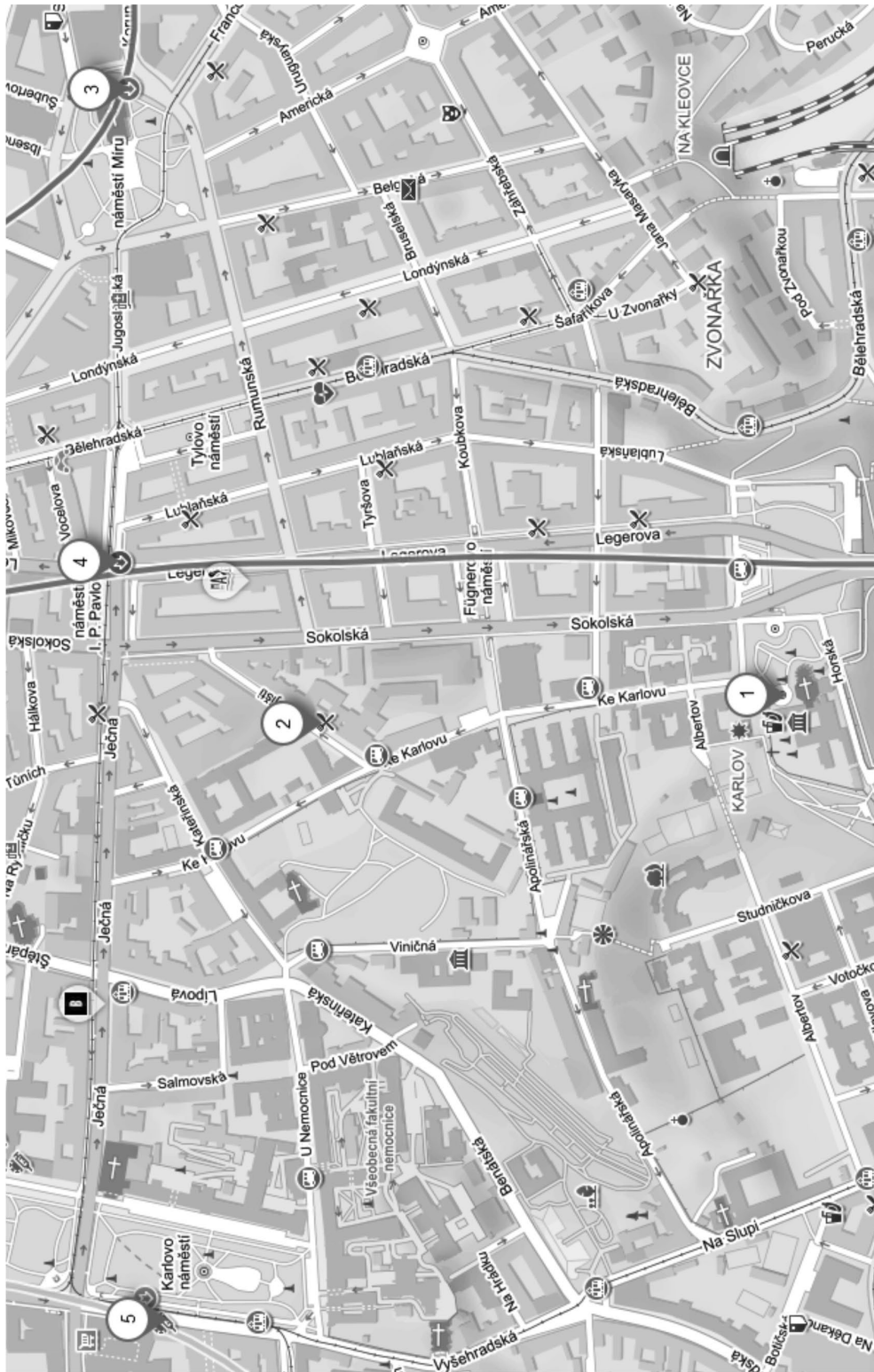
17:30 – 17:50 **Felix Zimmann**

Taking a closer look at the role of splicing factor mutations in retinitis pigmentosa using a retinal organoid disease model

18:00 **Conclusion**

18:00 – 19:00 Guided visit of the Church of the Assumption of the Virgin Mary and St. Charles the Great

19:00 – ??? **Dinner / Party** (U kalicha; Na Bojišti 12-14, 120 00 Praha 2)



- 1 - Czech Police Museum; Ke Karlovu 453/1, 120 00 Praha
- 2 - U kalicha; Na Bojišti 12-14, 120 00 Praha 2

- 3 - Náměstí Míru (metro line A)
- 4 - I.P.Pavlova (metro line C)
- 5 - Karlovo náměstí (metro line B)