

## RNA Club - PROGRAM

8:00-9:00	Registration	
9:00-9:05	Welcome	
9:05-9:45	<b>Claudia Kutter</b>	<b>Thread of excess: RNA control of lipid fate</b>
9:45-10:00	Tania Sanchez-Quirante	Enzymatic Synthesis of Modified RNA Containing 5-Methyl- or 5-Ethylpyrimidines or Substituted 7-Deazapurines and Influence of the Modifications on Stability, Translation and CRISPR-Cas9 Cleavage
10:00-10:15	Ed Curtis	Using structured libraries, selection and machine learning to rapidly explore the sequence space of a fluorescent deoxyribozyme
10:20-10:45	Coffee break	
10:45-11:00	Debora Pospíšilová	The $\omega$ and $\delta$ subunits of RNA polymerase control sporulation in <i>Bacillus subtilis</i>
11:00-11:15	Viola Vankova	CrsL is a novel transcription regulator in actinobacteria
11:15-11:30	Valentina Serianni	Molecular insight into 5' RNA capping with dinucleoside polyphosphates by bacterial RNA polymerase
11:30-11:45	Shwetha Krishna	FTO m6A RNA demethylase is important for proper DNA replication in human cells
11:45-12:00	Martin Kubů	Uncovering How ADAR1 Knockout Affects Hepatitis C Virus
12:00-14:00	Lunch+posters	
14:00-14:40	<b>Markus Wahl</b>	<b>Transcription regulatory mechanisms for efficient ribosome biosynthesis in bacteria</b>
14:40-14:55	Poulami Banik	Targeted antisense oligonucleotide therapy rescues PRPF31 expression in retinitis pigmentosa caused by a splicing mutation
14:55-15:10	Lukáš Pekárek	RNAs untangled: How RNA-binding proteins shape structure of long RNAs
15:10-15:25	Michal Kolář	Primordial interactions between RNA and short peptides
15:25-15:35	Lea Bartoňová (Explorea)	Innovations in RNA sequencing: From Long Transcripts to Spatial omics
15:35-16:00	Coffee break	
16:00-16:15	Nikola Nosková	From Recognition to Release: RNA Interactions with Mammalian Dicer
16:15-16:30	Ondřej Gahura	Interplay between mitoribosome biogenesis and RNA editing in <i>Trypanosoma brucei</i>
16:30-16:45	Fadel Fakih	Frequent occurrence and predicted functions of tRNAs with 4-base-pair anticodon stems in bacteria and phages: extended superwobble hypothesis

16:45-17:00	Nathalia Ballesteros	Deciphering the translation mechanism in <i>Blastocrithidia nonstop</i> : a trypanosomatid with all three stop codons reassigned
17:00-17:15	Fatima J. Berro	Unveiling the silence: how translation quiescence shapes mRNA stability in oocytes
17:15-17:30	Adriana Šubrtová	All About A's: The distinct roles of eIF4A1 and eIF4A2 in T cell translation during activation
17:30-17:40	Jakub Dušek (PentaGen)	Few products, dozens of applications (comercial presentation)
18:00		Awards - best presentations of young scientists
18:00-20:00	<i>Dinner buffet</i>	

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