

Vienna RNA Meeting 2018: RNA-REG - Regulatory Circuits in RNA Biology

Wednesday, 17 Oct 2018	
12:00 - 13:45	Registration
13:45	Welcome & Introduction
Session 1: RNA synthesis - Chair: Renée Schroeder	
14:00 - 14:30	Patrick Cramer Mechanisms to regulate mRNA synthesis
14:30 - 15:00	Torben Heick Jensen Balancing RNA levels
15:00 - 15:20	Renée Schroeder Riboregulation of transcription
15:20 - 15:40	Vanja Haberle (group Stark) Transcriptional cofactors display core promoter class-specificity
15:40 - 16:10	BREAK
Session 2: tRNAs - Chair: Walter Rossmann	
16:10 - 16:40	Eric Westhof tRNA modifications and control over translation
16:40 - 17:10	Stewart Shuman Structures and mechanisms of tRNA splicing enzymes
17:10 - 17:30	Javier Martinez Discovery of a unique 2', 3'-cyclic phosphatase in human cells
17:30 - 17:50	Matthias Schäfer tRNA-derived small RNAs: acting alone or through protein association?
18:00	Poster Session with buffet / finger food

Thursday, 18 Oct 2018	
Session 3: RNA processing - Chair: Andrea Barta	
09:00 - 09:30	Reinhard Lührmann Novel mechanistic insights into the inner workings of the spliceosome by combined biochemical and cryo-EM studies
09:30 - 10:00	Benjamin Blencowe Systematic characterization of alternative splicing regulatory networks
10:00 - 10:20	Konstantin Licht (group Jantsch) A high resolution A-to-I editing map in the mouse identifies editing events controlled by pre-mRNA splicing
10:20 - 10:50	BREAK
10:50 - 11:20	Mihaela Zavolan Transcriptome-wide inference of translation parameters in eukaryotic cells
11:20 - 11:50	Stefan Ameres Dissecting gene-regulatory mechanisms by time-resolved RNA sequencing
11:50 - 12:10	Sebastian Falk Structural and functional insights into the nuclear RNA exosome
12:10 - 12:30	Sebastian Will (group Hofacker) Detection and rational design of RNA switches
12:30 - 14:00	LUNCH BREAK & POSTERS
Session 4: Translation - Chair: Isabella Moll	
14:00 - 14:30	Nenad Ban Protein synthesis: from ribosome assembly to targeting of membrane proteins
14:30 - 15:00	Marina Rodnina Ribosome dynamics during mRNA recoding
15:00 - 15:20	Andrea Pauli Small proteins with big roles – Bouncer is necessary and sufficient for species-specific fertilization
15:20 - 15:40	Tanino Albanese (group Moll) Unconventional regulatory circuits in bacteria: from endonucleases cleavage to protein splicing
15:40 - 16:10	BREAK
Session 5: RNA turnover - Chair: Pavel Kovarik	
16:10 - 16:40	Elena Conti Mechanistic studies of polyA-tail control
16:40 - 17:10	Narry Kim RNA tails come in more than one flavor
17:10 - 17:40	Antonio Giraldez Deciphering the regulatory code shaping mRNA stability and translation during embryogenesis
17:40 - 18:00	Lucy Sneezum (group Kovarik) Physiology and mechanism of interleukin-1 signalling regulation by Tristetraprolin
Free evening / Speakers' Dinner	

Friday, 19 Oct 2018	
Session 6: Regulatory RNAs - Chair: Michael Nodine	
09:00 - 09:30	David Bartel MicroRNAs and other regulatory RNAs
09:30 - 10:00	Yukihide Tomari Biochemical and biophysical dissection of RNA silencing
10:00 - 10:20	Peter R. Andersen (group Brennecke) A dedicated RNA export pathway facilitates piRNA production in Drosophila
10:20 - 10:40	Luisa Cochella Roles of miRNAs in animal development: lessons from C. elegans
10:40 - 11:10	BREAK
11:10 - 11:30	Ranjith Papreddy (group Nodine) Small RNA regulation of DNA methylation dynamics during early plant embryogenesis
11:30 - 12:00	Ben Luisi The versatile machinery of bacterial riboregulation
12:00 - 12:20	Boris Görke Post-transcriptional control of cell envelope biosynthesis in Escherichia coli
12:20 - 12:40	Elisabeth Sonnleitner (group Bläsi) Harnessing RNA based metabolic regulation to increase the antibiotic susceptibility of Pseudomonas aeruginosa
12:40 - 14:10	LUNCH BREAK & POSTERS
Session 7: RNA modification - Chair: Michael Jantsch	
14:10 - 14:40	Ann Ehrenhofer-Murray Queueine links translational control in eukaryotes to a micronutrient from bacteria
14:40 - 15:10	Samie Jaffrey The dynamic epitranscriptome: Control of mRNA fate and function by internal and cap-associated RNA modifications
15:10 - 15:40	BREAK
15:40 - 16:10	Rupert Fray Writing and consequences of methylation marks in the model plant Arabidopsis thaliana
16:10 - 16:40	Mark Helm Fast profiling of modification content and composition of total tRNA
16:40	Concluding remarks
18:30	Reception & Dinner at Marx Restauration/Palast <i>Address: Maria-Jacobi-Gasse 2, just around the corner of VBC.</i> <i>Map: https://goo.gl/maps/eZxspQh9tP62</i>