

FWF Österreichischer
Wissenschaftsfonds



SFB RNA DECO

ANNUAL RNA RETREAT

11. – 12. SEPTEMBER 2025

VIENNA



Confidentiality statement

Posters and presentations at this meeting are preliminary in nature and for internal discussions only. Please treat all information confidentially. Posting contents on any sort of media, taking pictures of presentations / posters are therefore explicitly prohibited.

Locations

Location	Address
Medical University Vienna (MUW)	Schwarzspanierstraße 17 (HP small Histo lecture room), 1090 Vienna
Zum Gangl	Alser Straße 4/Hof 1, 1090 Vienna
I vecci amici	Liechtensteinstraße 24, 1090 Wien

Thursday, 11th September 2025		
13:00-15:25	Session 1	Chair: Michael Jantsch (MUW)
13:00-13:10	Welcome: Michael Jantsch (Medical University Vienna, Austria)	
13:10-13:45	Mark Helm (IPBS, Johannes Gutenberg University Mainz, Germany) In-gel hybridization of RNA to immobilized cDNA	
13:45-14:15	Sandwich Lunch	
14:15-14:40	Josef Laurin (Group Vilardo, Medical University Vienna, Austria) Investigating dynamics of tRNA abundance and modification during embryo development	
14:40-14:55	Artemis Saukin (Group Rossmann, Medical University Vienna, Austria) Study of the synthetic interactions of mt-tRNA "core" modifications in pseudouridine 27/28 deficient human cells	
14:55-15:25	Coffee Break	
15:25-17:05	Session 2	Chair: Alexandra Lusser (MUI)
15:25-15:50	Markus Schosserer (Medical University Vienna, Austria) Exploring ribosomal RNA modifications and corresponding snoRNAs in human skin cell senescence and <i>C. elegans</i>	
15:50-16:15	Malou Hanisch (Group Lusser, Medical University Innsbruck, Austria) Experimental identification of preQ1-binding RNAs in the	

	pathogenic bacterium <i>Listeria monocytogenes</i>	
16:15-16:40	Anna Rocchegiani (Group Vilaro, Medical University Vienna, Austria) Impact of tRNA m1G9 methylation in insulin-secreting β -cells	
16:40-17:05	Isabell Gonnella (Group Erlacher, Medical University Innsbruck, Austria) The role of RNA modifications in the superwobbling tRNA ^{Val} of <i>M. capricolum</i>	
17:05-17:35	Coffee Break	
17:35-18:35	Session 3	Chair: Matthias Schäfer (MUW)
17:35-18:00	Thomas Spicher (Group Hofacker, University of Vienna, Austria) Positional Impacts on tRNA Structure: Constraint-Based Prediction and Links to Modification Sites	
18:00-18:35	Ernesto Picardi (University of Bari Aldo Moro, Italy) Charting the inosinome in the era of Big Sequencing Data	
19:00-22:00	Dinner at Bierheuriger Zum Gangl	

Friday, 12th September 2025		
9:00-10:30	Session 4	Chair: Elisa Vilardo (MUW)
9:00-9:35	Sebastian Glatt (University of Veterinary Medicine, Vienna, Austria) tRNAslational Control of Eukaryotic Gene Expression	
9:35-10:00	Stefan Ameres (University of Vienna, Austria) Kinetic logic of uridylation-mediated RNA decay	
10:00-10:15	Victorio Jauregui Matos (Group Micura, University Innsbruck, Austria) Structural and biochemical properties of 4-pyrimidinone-modified RNA: a product of oxidative stress in bacteria	
10:15-10:35	Teaser talks for poster session	
10:35-10:50	Coffee Break and Poster set up	
10:50-12:20	Poster Session	
12:20-13:30	Lunch	
13:30-15:00	Session 5	Chair: Isabella Moll (UniVie)
13:30-13:55	Wanja Ehtreiber (Group Bernecky, ISTA, Klosterneuburg, Austria) Investigating the interactions of MDA5 and LGP2 with self-RNA	
13:55-14:20	Alexander Hammermeister (Group Glatt, University of Veterinary Medicine, Vienna, Austria)	

	Structural characterization of tRNA binding by the human FTSJ1-THADA methyltransferase complex	
14:20-14:45	Raphael Plangger (Group Kreutz, , University of Innsbruck, Austria) Methylation of Cytidine 1407 Increases the Lifetimes of the A-Site Ground and Excited States of E. coli 16S Ribosomal RNA	
14:45-15:00	Rebecca Forbes (Group Görke, University of Vienna, Austria) Regulation of Cell Envelope Biogenesis in Escherichia coli	
15:00-15:30	Coffee Break	
15:30-17:05	Session 6	Chair: Christoph Kreutz (UBIK)
15:30-15:55	Livia Gruber (Group Schäfer, Medical University Vienna, Austria) Non-Coding RNA Fragments: Abundant Debris as Innate Immune Suppressors?	
15:55-16:20	Ângela Marques (Group Jantsch, Medical University Vienna, Austria) Optimizing site-directed RNA editing of Filamin A as a therapeutic approach for cardiovascular disease, colitis, and vascularized tumors	
16:20-16:55	Štěpánka Vaňáčová (Central European Institute of Technology (CEITEC), Masaryk University, Brno, Czech Republic) FTO m6A RNA demethylase as a safeguard of proper DNA replication in human cells	
16:55-17:05	Closing remarks: Michael Jantsch (Medical University Vienna, Austria)	
18:00 –22:00	Dinner at Restaurant I vecci amici	