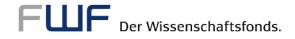


SFB RNA DECO

ANNUAL RNA RETREAT

17. – 19. SEPTEMBER 2021 INNSBRUCK

















Friday, 17th September 2021

13:00-13:30 Arrival in Mutters - Check-In

13:30-14:15	Lunch
14:15-15:40	Session 1 Chair: Michael Jantsch
14:15-14:20	Welcome
14:20-14:50	Isabel Delazer (Group Lusser, MUI) 5-methylcytosine in mRNA: its deposition and function
14:50-15:20	Aleksej Drino (Group Schäfer, MUW) Understanding molecular processing of tRNA-derived small RNAs
15:20-15:40	Laura Borac (Group Schäfer, MUW) Moving on from a Stressful Break-Up: Localizing Individual tRNA Fragments in Cells by FISH
15:40-16:10	Coffee Break
16:10-17:35	Session 2 Chair: Alexandra Lusser
16:10-16:30	Michaela Egger (Group Micura, Uibk) On structure, folding and molecular mechanism of two recently discovered riboswitches
16:30-16:50	Stefan Mair (Group Micura, Uibk) Biophysical studies of xanthosine-containing RNA
16:50-17:35	Mark Helm (JGU) General Principles for the Detection of Modified Nucleotides in RNA by Specific Reagents
18:30-19:30	Dinner
from 19:30	Project Discussions - Open End

Saturday, 18th September 2021

08:00-09:00	Breakfast
09:00-10:40	Session 3 Chair: Matthias Schäfer
09:00-09:30	Maria Kompatscher (Group Erlacher, MUI) Synthetic tRNAs to study the role of uridine wobble modifications on translation
09:30-09:50	Danijela Radovanović (Group Rossmanith, MUW) Selectively removing the methyltransferase activity of human mtRNase P
09:50-10:20	Tom Rappol (Group Vilardo, MUW) Detecting tRNA modification dynamics during zebrafish embryo development by Next Generation Sequencing
10:20-10:40	Andrea Pauli (IMP) A molecular network of conserved factors keeps ribosomes dormant in the egg
10:40-11:10	Coffee Break
11:10-12:45	Session 4 Chair: Carrie Bernecky
11:10-12:45 11:10-11:40	Session 4 Chair: Carrie Bernecky Moritz Leitner (Group Martinez, MPL) The double life of the RNA 2',3'-cyclic phosphatase ANGEL2
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Sunday, 19th September 2021

08:00-09:00	Breakfast
09:00-10:35	Session 5 Chair: Andrea Pauli
09:00-09:45	Christoph Kreutz (Uibk) Probing RNA modifications by NMR – the effect of modified nucleotides on a molecular level
09:45-10:15	Ronny Lorenz (Group Hofacker, UniVie) Free Energy Parameters for Non-Standard RNA Nucleotides
10:15-10:35	Yuliia Varenyk (Group Hofacker, UniVie) Modified nucleotides in RNA sequences of tRNAdb database
10:35-11:05	Coffee Break
11:05-12:40	Session 6 Chair: Walter Rossmanith
11:05-11:35	Hamid Reza Mansouri Khosravi (Group Jantsch, MUW) Structural consequences and cross-talk of A-to-I and m6A modifications
11:35-11:55	Cornelia Vesely (MUW) The hunt for the non-activating pattern in endogenous RNA for innate immune sensors
11:55-12:15	Andrea Tanzer (MUW) RNAmod - RNA Structures and the Epitranscriptome
12:15-12:35	David Michalik (Group Bernecky, IST) Role of MDA5 phosphorylation in RNA substrate specificity switch
12:35-12:40	Concluding Remarks
13:00-14:00	Lunch