



The Epitranscriptome

EMBL CONFERENCE

We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

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Day 1 - Wednesday 25 April 2018

Time	Speaker
12.00 - 13.20	Registration Welcome coffee & light snacks
13.20 - 13.30	Opening remarks
13.30 - 17:30	Session 1: 3' Non-templated nucleotide additions
13.30 - 14.00	Tailing in the regulation of mRNAs and small noncoding RNAs Narry Kim - Seoul National University, Korea
14.00 - 14.15	On the optimal design of metabolic RNA labeling experiments Alexey Uvarovskii - University Hospital Heidelberg, Germany

Time	Speaker
14.15 - 14.45	RNAi and selective sequence-independent translational repression induced by dsRNA in mammalian cells Petr Svoboda - Institute of Molecular Genetics of the ASCR, v. v. i., Czech Republic
14.45 - 15.00	Initial poly(A) tail size is regulated during the serum response Cornelia de Moor - University of Nottingham, UK
15.00 - 15.30	Coffee break
15.30 - 16:00	The role of the adenosine demethylase FTO in the mammalian nucleus Štěpánka Vaňáčková - CEITEC , Masaryk University, Czech Republic
16.00 - 16.15	Organ-wide Profiling of Adenosine to Inosine RNA Editing of Filamin B in Mouse Laura Cimatti - Medical University of Vienna, Austria
16.15 - 16.45	Deciphering a novel role of Adar in Drosophila development Mary O'Connell - CEITEC, Czech Republic
16.45 - 17.00	A vastly increased chemical variety of RNA modifications that includes a thioacetal structure Mark Helm - Johannes Gutenberg-University, Germany
17.00 - 17.30	RNA editing is important for worm development and regulates RNAi Ayelet Lamm - TECHNION Israel Institute of Technology, Israel
17.30 - 18.00	Coffee break
18.00 - 19.00	Keynote Lecture: Epitranscriptomics – from basic principles to cancer Gidi Rechavi - Tel Aviv University, Israel
19:00 - 19:20	Talk title tbc Francois Fuks - ULB, Belgium
19.20 - 20.30	Dinner
20.30 - 23.00	Welcome reception

Day 2 - Thursday 26 April 2018

Time	Speaker
9.00 - 13.00	Session 2: Direct RNA modification

Time	Speaker
9.00 - 9.30	Distribution and regulation of cytosine-5 RNA methylation Frank Lyko - DKFZ, Germany
9.30 - 10.00	Queuine links translational control in eukaryotes to a micronutrient from bacteria Ann Ehrenhofer-Murray - Humboldt University of Berlin, Germany
10.00 - 10.15	Role of N6-methyladenosine in the translation of circular RNAs in eukaryotes Gaia Di Timoteo - Sapienza University of Rome, Italy
10.15 - 10.30	Mutations in (Cytosine-5) tRNA Methyltransferases Impact Mobile Element Expression and Genome Stability at Specific DNA Repeats Matthias Schaefer - Medical University Vienna, Austria
10.30 - 11.15	Coffee break
11.15 - 11.45	RNA modifications as signals and tools Alexandra Lusser - Medical University of Innsbruck, Austria
11.45 - 12.15	Mapping the functional pseudouridine and m1A landscape in the mammalian transcriptome Chengqi Yi - Peking University, China
12.15 - 12.30	m1a on mRNA: Rare, dynamic and potent Schrage Schwartz - Weizmann Institute of Science, Israel
12.30 -13.00	Human RNA cap1 methyltransferase CMTr1 and its activity on RNAs with highly structured 5' termini Janusz Bujnicki - International Institute of Molecular and Cell Biology, Poland
13.00 -14.30	Lunch & "Meet the Speaker Session I"
14.30 -18.00	Session 3: RNA binding proteins; readers and regulators of the transcriptome
14.30 - 15.00	Uridylation by TUT4/7 restricts retrotransposition of human LINE-1 Andrzej Dziembowski - Polish Academy of Sciences, Poland
15.00 - 15.15	Writing and reading of 5-methylcytosine orchestrates non-coding Vault RNA processing into small regulatory RNAs to coordinate epidermal differentiation Abdulrahim Sajini - Khalifa University, United Arab Emirates

Time	Speaker
15.15 - 15.45	Genetic Dissection of m6A RNA Methylation Role in Early Mammalian Development Jacob Hanna - Weizmann Institute of Science, Israel
15.45 - 16.15	RNA demethylation mediated through FTO Chuan He - University of Chicago, USA
16.15 - 16.45	Coffee break
16.45 - 17.15	RNA Methylation Code: Regulations and Mechanisms Yungui Yang - Beijing Institute of Genomics, China
17.15 - 17.30	Identification of the Tudor domain Royal family as a reader family of m6A-modified RNA Belinda Baquero - University of Leeds, UK
17.30 - 18.00	Acetylation of cytidine in messenger RNA promotes translation efficiency Shalini Oberdoerffer - NIH National Cancer Institute, USA
18.00 - 19.30	Dinner
19.30 - 21.30	Poster Session I (Even numbers)
21.30 - 23:00	Drinks in the Roof Top Lounge

Day 3 - Friday 27 April 2018

Time	Speaker
09:00 -13.00	Session 4. RNA modifications as regulators of protein translation
09.00 - 09.30	co-transcriptional N6- adenosine methylation impacts mRNA translation Reuven Agami - Netherlands Cancer Institute, The Netherlands
09.30 - 09.45	Pseudouridylation of tRNA-derived fragments steers translational control and stem cell commitment Nicola Guzzi - Lund University, Sweden
09.45 - 10.00	tRNA methylation and mitochondrial protein synthesis in skin cancer Sylvain Delaunay - University of Cambridge, UK
10.00 - 10.30	tRNA methylation: A mechanism to regulate gene expression Ya-Ming Hou - Thomas Jefferson University, USA
10.30 - 11.00	Coffee break

Time	Speaker
11.00 - 11.30	N6-Methyladenosine Guides mRNA Alternative Translation Shu-Bing Qian - Cornell University, USA
11.30 - 11.45	Flacc/Zc3h13 is required for m6A methylation by stabilizing the interaction between Nito/Rbm15 and FI(2)d/Wtap Tina Lence - Institute of Molecular Biology, Germany
11.45 - 12.15	Translation regulation through wobble tRNA modification in cancer Pierre Close - University of Liegé, Belgium
12.15 - 12.30	The YTH domain protein ECT2 from Arabidopsis thaliana is an m6A reader required for normal trichome branching and which function is regulated by phosphorylation Cécile Bousquet-Antonelli - CNRS, France
12.30 - 13.00	The price of epitranscriptomics Sebastian Leidel - MPI for Molecular Biomedicine, Germany
13.00 -14.30	Lunch & "Meet the Speaker Session II"
14.30 -17.30	Session 5. RNA modifications/modifiers in development and disease
14.30 - 14.45	A plant m6A-YTH module in developmental timing and morphogenesis Peter Brodersen - University of Copenhagen, Denmark
14.45 - 15.15	m6A RNA methylation regulates neural development and neurological disorders Yanhong Shi - City of Hope, USA
15.15 - 15.30	N6-methyladenosine RNA modification (m6A) regulates Drosophila melanogaster nervous system development via modulation of Fmr1 function Alessandro Quattrone - <i>Centre for Integrative Biology, University of Trento, Italy</i>
15.30 - 16.00	How to be non-conventional: the roles of RNA modifications in gene expression Markus Bohnsack - University Medical Center Göttingen, Germany
16.00 - 16.30	Coffee break
16.30 - 16.45	Deciphering the role of mRNA methylation in Drosophila sex determination and the nervous system Matthias Soller - University of Birmingham, UK

Time	Speaker
16.45 - 17.15	Terminal uridylyltransferases target RNA viruses as part of the innate immune system in animals Eric Miska - Gurdon Institute, UK
17.15 - 17.30	Title tbc Kamil Kranc - University of Edinburgh, United Kingdom
17.30 - 19.00	Poster Session II (Odd numbers)
19.00 - 21.00	Banquet Dinner
21.00 - 00.00	Conference Party