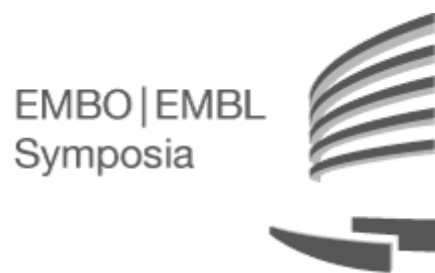




# The Complex Life of RNA - Virtual



## **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

Got something to say? Tweet it! #EESRNA

To find out the equivalent time zone in your location, enter Berlin, the CEST programme time and your city into the [Time Zone Converter](#).

- The virtual conference includes live-streamed invited speakers with Q&A sessions after each talk. All short talks are pre-recorded with Q&A available in Slack throughout the duration of the meeting.
- Information on the live stream and access to the discussion platform and digital posters will be provided shortly before the start of the event.

- Access to the recorded talks will be available for 1 week after the start of the event.

The following times are used in the programme below:

- Central European Summer Time (CEST): eg. Berlin, Amsterdam Paris
- Eastern Daylight Time (EDT): eg. New York, Quebec

## Day 1 - Wednesday 7 October 2020

Time	Speaker
13:00-13:15 (CEST)	<b>Opening remarks</b> by Scientific Organisers
07:00-07:15 (EDT)	<b>Remembering Kiyoshi Nagai</b> by Wojtek Galej, EMBL Grenoble, France
13:15-16:15 (CEST)	<b>Virtual Session 1</b>
07:15-10:15 (EDT)	Chairs: Wojtek Galej - EMBL Grenoble, France and Thomas Gonatopoulos Pournatzis - National Cancer Institute, USA
13:15-13:45 (CEST)	<b>Insights into prespliceosome formation</b>
07:15-07:45 (EDT)	Soo-Chen Cheng - Institute of Molecular Biology, Academia Sinica, Taiwan <b>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</b>
13:45-14:15 (CEST)	<b>Gene-specific functions of the mRNA cap</b>
07:45-08:15 (EDT)	Victoria Cowling - University of Dundee, UK <b>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</b>
14:15-14:45 (CEST)	<b>The core spliceosome self-regulatory network</b>
08:15-08:45 (EDT)	Juan Valcárcel - Centre for Genomic Regulation, Spain <b>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</b>
14:45-15:00 (CEST)	<b>Coffee break</b>
08:45-09:00 (EDT)	
15:00-15:45 (CEST)	<b>Keynote lecture 1: Viral Noncoding RNAs: approaching answers</b>
09:00-09:45 (EDT)	Joan Steitz - Yale University, USA <b>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</b>

<b>Time</b>	<b>Speaker</b>
15:45-16:15 (CEST) 09:45-10:15 (EDT)	<b>Meet the Speakers of Session 1 and Keynote lecture 1 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.</b>
16:15-17:15 (CEST) 10:15-11:15 (EDT)	<b>Virtual poster session 1 (all numbers)</b>
17:15-17:30 (CEST) 11:15-11:30 (EDT)	<b>Coffee break</b>
17:30-19:30 (CEST) 11:30-13:30 (EDT)	<b>Virtual Session 2</b> Chairs: Valerie Hilgers - Max Planck Institute of Immunobiology and Epigenetics, Germany and Carrie Bernecky - Institute of Science and Technology, Austria
17:30-18:00 (CEST) 11:30-12:00 (EDT)	<b>A key role for the RNA-binding protein CPEB4 in inflammation resolution</b> Raúl Mendéz - Institute for Research in Biomedicine, Spain
18:00-18:30 (CEST) 12:00-12:30 (EDT)	<b>The complexity of COOLAIR</b> Caroline Dean - John Innes Centre, United Kingdom <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
18:30-19:00 (CEST) 12:30-13:00 (EDT)	<b>An Xist-dependent protein assembly mediates Xist localization and gene silencing</b> Kathrin Plath - University of California, Los Angeles, USA Presented by: Amy Pandya-Jones - University of California, Los Angeles, USA <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
19:00-19:30 (CEST) 13:00-13:30 (EDT)	<b>Meet the Speakers of Session 2 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.</b>
19:30 (CEST) 13:30 (EDT)	<b>End of day 1 - Speed Networking Session and continued access to digital posters and discussion platforms, pre-recorded talks</b>

## Day 2 - Thursday 8 October 2020

**Time      Speaker**

13:00-15:30 (CEST) 07:00-09:30 (EDT)	<b>Virtual Session 3</b> Chairs: Olivia Rissland - University of Colorado Anschutz Medical Campus, USA Ayala Shiber, Technion University, Israel
13:00-13:30 (CEST) 07:00-07:30 (EDT)	<b>Translation initiation and regulation of translation: from mitochondria to SARS-CoV-2 infected cells</b> Nenad Ban - ETH Zürich, Switzerland
13:30-14:00 (CEST) 07:30-08:00 (EDT)	<b>Mechanisms of mRNA quality and quantity control at the ribosome</b> Ramanujan Hegde - MRC Laboratory of Molecular Biology, United Kingdom <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
14:00-14:30 (CEST) 08:00-08:30 (EDT)	<b>Roles of the RNA binding protein UNR/CSDE1 in cancer progression and suppression</b> Fatima Gebauer - Centre for Genomic Regulation, Spain <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
14:30-15:00 (CEST) 08:30-09:00 (EDT)	<b>A role for colliding ribosomes in determining cellular fate</b> Rachel Green - Johns Hopkins School of Medicine, USA <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
15:00-15:30 (CEST) 09:00-09:30 (EDT)	<b>Meet the Speakers of Session 3 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.</b>
15:30-15:45 (CEST) 09:30-09:45 (EDT)	<b>Coffee break</b>

Meet the following short talk speakers in individual Zoom rooms (The log in details will be published in Slack. The pre-recorded talk will be available for viewing ahead of the meeting)

**1. The RNA export factor Mex67 functions as a mobile nucleoporin**

Elisa Dultz, ETH Zürich, Switzerland

**2. Coordination of transcriptional and translational regulations in human epithelial cells infected by *Listeria monocytogenes***

Alice Lebreton, Institute of Biology of ENS; INRAE, France

**3. Early spliceosome assembly stimulates RNA polymerase II pause release**

Sara Monteiro Martins, Max Planck Institute for Biophysical Chemistry, Germany

**4. LSM2-8 and XRN-2 mediate RNA decay of H3K27me3-marked genes in *C. elegans***

Anna Mattout, CBI, France

**5. Degradation of non-coding RNAs promotes recycling of termination factors at sites of transcription**

Tommaso Villa, Université de Paris, CNRS, Institut Jacques Monod, France

**6. Localized mRNA translation fosters protein delivery at nuclear pore complexes**

Benoit Palancade, Institut Jacques Monod, CNRS-Université de Paris, France

15:45-16:15  
(CEST)

09:45-10:15  
(EDT)

**7. Exon junction complex dependent mrna localization contributes to centrosome organization and ciliogenesis**

Oh Sung Kwon, ENS IBENS, France

**8. Structural studies of the human transcription-export complex**

Clemens Plaschka, Research Institute of Molecular Pathology, IMP, Austria

**9. Intrinsic and extrinsic mechanisms cooperate to ensure efficient termination of RNAPIII transcription**

Odil Porrua, Institut Jacques Monod, University of Paris, French National Centre for Scientific Research, France

**10. Two microRNAs are sufficient for embryonic patterning in *C. elegans***

Philipp Dexheimer, Research Institute of Molecular Pathology, Austria

**11. Single-molecule imaging reveals translation of mRNAs localized to stress granules**

Daniel Mateju, Friedrich Miescher Institute for Biomedical Research, Switzerland"

**12. mRNAs regulate the activity of the DEAD-box helicase eIF4A during translation initiation by modulating its conformational dynamics**

Dagmar Klostermeier, University of Muenster, Germany

**13. Pseudouridine synthases modify human pre-mRNA co-transcriptionally and affect splicing**

Nicole Martinez, Yale University, USA

16:15-17:15 (CEST)	<b>Virtual poster session 2 (all numbers)</b>
10:15-11:15 (EDT)	
17:15-19:30 (CEST)	<b>Virtual Session 4</b>
11:15-13:30 (EDT)	Chairs: Daniel Cifuentes - Boston University School of Medicine, USA and Yiliang Ding - John Innes Centre, UK
17:15-17:45 (CEST)	<b>Global analysis of the networks controlling mRNA translation and decay</b>
11:15- 11:45 (EDT)	Nicholas Ingolia - University of California, Berkeley, USA <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
17:45-18:15 (CEST)	<b>Assembly of RNA-protein complexes during transcription</b>
11:45- 12:15 (EDT)	Sarah Woodson - Johns Hopkins University, USA
18:15-19:00 (CEST)	<b>Keynote lecture 2: Diversifying the function of a limited RNA genome: Innovation and complexity in positive strand viruses</b>
12:15-13:00 (EDT)	Anna Pyle - Yale University, USA <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
19:00-19:30 (CEST)	<b>Meet the Speakers of Session 4 and Keynote lecture 2 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.</b>
13:00-13:30 (EDT)	
19:30-19:50 (CEST)	<b>Industry Session (Optional)</b>
13:30-13:50 (EDT)	Log in details can be found on Slack
20:00 (CEST)	<b>End of day 2 - Bar Mixer and continued access to digital posters, discussion platforms, pre-recorded talks</b>
14:00 (EDT)	

## Day 3 - Friday 9 October 2020

<b>Time</b>	<b>Speaker</b>
13:00-15:30 (CEST)	<b>Virtual Session 5</b>
07:00-09:30 (EDT)	Chairs: Daniel Zenklusen - Université de Montréal, Canada and Sebastian Falk - University of Vienna, Austria
13:00-13:30 (CEST)	<b>Local protein synthesis mechanisms in neurons</b>
07:00-07:30 (EDT)	Erin Schuman - Max Planck Institute for Brain Research, Germany

13:30-14:00  
(CEST)  
07:30-08:00  
(EDT)

**Novel RNP Transport Granules Drive mRNA Localization**  
Kimberly Mowry - Brown University, USA  
***WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM***

14:00-14:30  
(CEST)  
08:00-08:30  
(EDT)

**Regulation and remodeling of the RNA exosome helicases**  
Elena Conti - Max Planck Institute of Biochemistry, Germany

14:30-15:00  
(CEST)  
08:30-09:00  
(EDT)

**Mechanisms that target RNA for destruction**  
Christopher Lima - Sloan Kettering Institute, HHMI, USA

15:00-15:30  
(CEST)  
09:00-09:30  
(EDT)

**Meet the Speakers of Session 5 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.**

15:30-15:45  
(CEST)  
09:30-09:45  
(EDT)

**Coffee break**

Meet the following short talk speakers in individual Zoom rooms (The log in details will be published in Slack. The pre-recorded talk will be available for viewing ahead of the meeting)

**1. Primary determinants of nuclear mRNA poly(A) tail length in *Saccharomyces cerevisiae***

Matti Turtola, Aarhus University, Denmark

**2. Reconstitution and atomic structure of an active human histone pre-mRNA 3'-end processing machinery**

Liang Tong, Columbia University, USA

**3. The final step of 40S ribosomal subunit maturation is controlled by a dual key lock**

Laura Plassart, CNRS - University of Toulouse, France

**4. A ubiquitin ligase mediates target-directed microRNA decay independently of tailing and trimming**

Jaeil Han, UT Southwestern Medical Center, USA

**5. p53 regulates the hypusination of eIF5A to promote translation during cellular senescence**

Fabricio Loayza-Puch, German Cancer Research Center (DKFZ), Germany

**6. FUS-dependent phase separation initiates DNA double-strand break repair**

Brunno Rocha Levone, University of Milano-Bicocca, Italy

15:45-16:15  
(CEST)

09:45-10:15  
(EDT)

**7. SRSF7 maintains its homeostasis through the expression of Split-ORFs and nuclear body assembly**

Michaela Müller-McNicoll, Goethe University Frankfurt, Germany

**8. A reconstituted mammalian APC-kinesin complex selectively transports defined packages of axonal mRNAs**

Sebastian Baumann, Centre for Genomic Regulation, Spain

**9. Adenylation and uridylation of aberrant microRNA precursors certifies faithful microRNA biogenesis in flies and mammals**

Angela Rodrigues Viana, IMBA-Institute of Molecular Biotechnology, Austria

**10. Evolution of protein folding and assembly pathways: Deciphering the dynamics of divergent co-translational assembly pathways, in atomic resolution**

Ayala Shiber, Technion, Israel

**11. N6-methyladenosine in poly(A) tails stabilize VSG transcripts**

Juan Macêdo, Institute of Molecular Medicine, Portugal

**12. Morphologically-discrete, ER subdomains support translation of different types of mRNAs in response to ER-lysosome interactions**

Heejun Choi, Janelia Research Campus, USA

**13. Base-pair conformational switch modulates miR-34a targeting of Sirt1 mRNA**

Katja Petzold, Karolinska Institutet, Sweden



16:15-17:15 (CEST) 10:15-11:15 (EDT)	<b>Virtual poster session 3 (all numbers)</b>
17:15-19:30 (CEST) 11:15-13:30 (EDT)	<b>Virtual Session 6</b> Chairs: Marina Chekulaeva - Max Delbrück Center (MDC) for Molecular Medicine in the Helmholtz Association, Germany and Susanne Kramer - Biocenter, University of Würzburg, Germany
17:15-17:45 (CEST) 11:15-11:45 (EDT)	<b>Diverse mechanisms of small RNAs</b> Ian MacRae - The Scripps Research Institute, USA <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
17:45-18:15 (CEST) 11:45-12:15 (EDT)	<b>Nuclear fates of RNA 3'ends</b> Torben Heick Jensen - Aarhus University, Denmark <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
18:15-19:00 (CEST) 12:15-13:00 (EDT)	<b>Keynote lecture 3: Lighting up the complex life</b> David Tollervey - The University of Edinburgh, United Kingdom <b><i>WILL BE AVAILABLE ON DEMAND AFTER LIVE STREAM</i></b>
19:00-19:15 (CEST) 13:00-13:15 (EDT)	<b>Closing Remarks</b>
19:15-19:45 (CEST) 13:15-13:45 (EDT)	<b>Meet the Speakers of Session 6 and Keynote lecture 3 in individual Zoom breakout rooms. The Zoom link and password can be found on Slack.</b>
19:45 (CEST) 13:45 (EDT)	<b>End of symposium - Continued access to digital posters, networking and discussion platforms, pre-recorded talks</b>