

The Brain Conferences

RNA Mechanisms and Brain Disease

20 – 23 October 2021

[Rungstedgaard](#), Denmark

PRELIMINARY PROGRAMME

Wednesday, 20 October 2021	
From 14:15	Arrival and registration
14:50-15:00	Welcome address from the Conference Chairs
Translation Control	
<i>Session Moderator:</i> Erin Schuman	
15:00-15:40	Giovanna Mallucci , University of Cambridge, UK Translating translation in neurodegeneration
15:40-16:20	Kobi Rosenblum , University of Haifa, Israel eEF2 pathway in the DG of the hippocampus determines cognitive function
16:20-16:50	Afternoon snack
16:50-17:30	Nahum Sonenberg , McGill University, Canada Translational control of synaptic plasticity and learning & memory via excitatory and inhibitory neurons
17:30-17:50	<i>Short talk (to be selected from submitted abstracts)</i>
17:50-18:30	Steven Goldman , University of Rochester Medical Center, USA; University of Copenhagen, DK Talk title tba
18:30-18:50	<i>Short talk (to be selected from submitted abstracts)</i>
19:00-21:30	Welcome Drink & Dinner

Thursday, 21 October 2021

Structure and Splicing

Session Moderator: Nahum Sonenberg

09:00-09:40	Peter Scheiffele , University of Basel, Switzerland Alternative splice codes for synapse specification and plasticity
09:40-10:20	Jernej Ule , Francis Crick Institute, United Kingdom Long-range RNA structures in 3'UTRs coordinate the assembly and function of localised mRNPs in neurons
10:20-10:50	Group Picture and Coffee Break
10:50-11:30	Elena Conti , Max Planck Institute of Biochemistry, Germany Molecular mechanisms of RNA degradation
11:30-12:10	Roland Beckman , Gene Center Munich, Germany Meta levels of translation: how mRNAs manipulate ribosomes and how ribosomes strike back
12:10-12:50	Maria Barna , Stanford University, USA Ribosomes in Gene Regulation: Controlling the diversity of proteins made in specific cells, tissues and organisms
12:50-14:00	Lunch

Regulation in Neurons

Session Moderator: Joel Richter

14:00-14:40	Erin Schuman , MPI Brain Research, Germany Neuronal Protein Synthesis Mechanisms
14:40-15:20	Antonella Riccio , University College London, United Kingdom RNA metabolism in developing neurons
15:20-15:35	Poster Spotlights I * (9 presentations, 90 seconds each)
15:35-17:35	Poster Session I with Afternoon Snack
17:35-18:05	Robert Singer , Albert Einstein College of Medicine, USA Mechanism of mRNA Regulation in Live Brain Tissue
18:05-18:35	End of the day: Group discussion
19:00-21:30	Dinner

Friday, 22 October 2021

RNA in Disease

Morning Session Moderator: Antonella Riccio

09:00-09:40	Kent Duncan , ZMNH, Hamburg University, Germany RNA-binding proteins in brain development and neurodegenerative disease
09:40-10:20	Erik Storkebaum , Donders Institute for Brain, Cognition and Behaviour, Netherlands tRNA overexpression: a novel therapeutic approach for peripheral neuropathy?
10:20-10:40	<i>Short talk (to be selected from submitted abstracts)</i>
10:40-11:15	<i>Coffee Break</i>
11:15-15:15	Box Lunch, outing to Louisiana Museum
15:30-16:10	Marc-David Ruepp , King's College London, United Kingdom Direct FUS – snRNA interactions provide a molecular link between ALS and SMA
16:10-16:25	Poster Spotlights II ** (9 presentations, 90 seconds each)
16:25-18:25	Poster Session II with Afternoon Snack
<i>Afternoon Session Moderator: Giovanna Mallucci</i>	
18:25-19:05	End of the day: Group discussion
19:05-21:30	Dinner

Saturday, 23 October 2021

Morning Session Moderator: tba

09:00-09:40 **Eric Klann**, New York University, USA
Cell type-specific translation in memory and brain disorders

09:40-10:20 **Joel Richter**, University of Massachusetts Medical School, USA
Translational Dissonance in Neurologic Disease

10:20-10:50 Coffee Break

10:50-11:30 **Emily Osterweil**, The Edinburgh University, United Kingdom
Linking dysregulated translation to synaptic disruption in Fragile X Syndrome and autism

11:30-12:10 *Short talks (to be selected from submitted abstracts)*

12:30-14:00 Lunch

Afternoon Session Moderator: tba

14:00-14:40 **Gary Bassell**, Emory University, USA
RNA Dysregulation and Brain Disease in Myotonic Dystrophy

14:40-15:20 *Short talks (to be selected from submitted abstracts)*

15:20-16:00 **Claudia Bagni**, University of Lausanne, Switzerland
RNA metabolism and social competence

16:00-16:30 Coffee Break

16:30-17:10 **Susan Ackerman**, University of California San Diego, USA
tRNAs and Neuronal Function

17:10-17:40 Tying it all together: Group Discussion & Closing Remarks
Co-chairs

19:00-22:00 Gala Dinner & Poster Awards

Sunday, 24 October 2021: Breakfast, departure