

## Schedule - overview

Day 1, Wednesday 18 <sup>th</sup>	Day 2, Thursday 19 <sup>th</sup>	Day 3, Friday 20 <sup>th</sup>
11:30 Registration + lunch	9.00 <b>Brennecke</b>	8.45 <b>Vanacova</b>
12:50 Welcome	9.40 Fromm	9.25 Visa
13:00 <b>Phizicky</b>	9.55 Ström	9.40 Tarbier
13:40 Alalam	10.10 Coffee break	9.55 Coffee break
13:55 Holmqvist	10.40 <b>Stark</b>	10.25 <b>Guillier</b>
14:10 Karamat	11.20 Carlson	11:05 Gopalakrishna
14:25 Coffee break	11.35 Maharana	11.20 Avican
14:55 <b>Tuorto</b>	11.50 Zheng	11.35 Atkinson
15:35 Guzzi	12.05 Lunch	11.50 Concluding remarks
15:50 Romilly	13.30 Zoo excursion	12.00 Lunch and departure
16:05 Murina	16.15 <b>Rougelle</b>	
16:20 <b>Flash talks</b>	16.55 Xu Landén	
16:30 Poster session	17.10 Bartosovic	
18:00 Dinner	17.25 Poster session	
19:30 <b>Roignant</b>	19.00 Dinner	
20:10 Achour	20.30 Social hour	
20:25 Kanduri		
20:40 Social hour		

**Keynote speakers:** 30 min + 10 min questions

Talks: 10 min + 5 min questions

**Flash talks:** 1 slide, 2 min each to present the poster

**Poster boards:** 180 x 71 cm

## Detailed schedule

### Wednesday, September 18<sup>th</sup>

11:30	Registration and lunch
12:50	Welcome
13:00 – 14:40	<b>Session 1</b> Chair: Anders Byström, Umeå University, Sweden
13:00	<b>Keynote 1:</b> Eric Phizicky, University of Rochester, US <i>tRNA quality control: Mechanisms and evolution</i>
13:40	Hanna Alalam, University of Gothenburg, Sweden <i>Genetic screening for new factors affecting NMD in S. cerevisiae</i>
13:55	Erik Holmqvist, Uppsala University, Sweden <i>The RNA-binding protein ProQ targets 3' untranslated regions to promote Salmonella virulence</i>
14:10	Fazeelat Karamat, Umeå University, Sweden <i>Transcriptional reprogramming under salt stress in Arabidopsis Mediator-subunits mutants</i>
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14:25 – 14:55	Coffee break
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14:55 – 16:20	<b>Session 2</b> Chair: Gerhard Wagner, Uppsala University, Sweden
14:55	<b>Keynote 3:</b> Francesca Tuorto, DKFZ, Germany <i>tRNA modifications and nutritional control of protein translation</i>
15:35	Nicola Guzzi, Lund University, Sweden <i>Sculpting the stem cell translome by pseudouridylation of tRNA-derived fragments</i>
15:50	Cédric Romilly, Uppsala University, Sweden <i>Anatomy of a standby site: an essential role for ribosomal protein S1 and a secondary structure element for ribosome binding</i>
16:05	Victoriia Murina, Umeå University, Sweden <i>Antibiotic resistant ABCFs: straight from structure to mechanism?</i>
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16:20 – 16:30	<b>Flash talks</b> <ul style="list-style-type: none"><li>• Miriam Cipullo, Karolinska Institute, Sweden <i>Characterization of GTP-binding proteins and their role in mitochondrial ribosome assembly</i></li><li>• Cristian Bellodi, Lund University, Sweden <i>The X-linked DDX3X RNA helicase dictates translation re-programming and metastasis in melanoma</i></li><li>• Sandhya Malla, Umeå University, Sweden <i>Interplay between Histone regulation and DNA methylation</i></li><li>• Marc Friedländer, SciLifeLab/Stockholm University, Sweden <i>Regulatory drivers of gene expression covariances in single mammalian cells</i></li><li>• Liis Andresen, Uppsala University, Sweden <i>Characterization of an enterobacterial type I toxin-antitoxin system</i></li><li>• Anas Khawaja, Karolinska Institute, Sweden <i>Distinct pre-initiation steps in human mitochondrial translation</i></li></ul>
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16:30 – 18:00	<b>Poster session</b>
18:00 – 19:30	Dinner
19:30 – 20:40	<b>Session 3</b> Chair: Francesca Aguilo, Umeå University, Sweden
19:30	<b>Keynote 4:</b> Jean-Yves Roignant, University of Lausanne, Switzerland <i>Shaping the nervous system by m6A in Drosophila melanogaster</i>
20:10	Cyrinne Achour, Umeå University, Sweden <i>Understanding the functions of the m6A-RNA methyltransferase METTL3 in breast cancer</i>
20:25	Chandrasekhar Kanduri, University of Gothenburg, Sweden <i>Functional and mechanistic roles of long noncoding RNAs in the spatial localization of oncogenic and tumor suppressor proteins.</i>
20:40	Social hour

### Thursday, September 19<sup>th</sup>

9:00 – 10:10	<b>Session 4</b> Chair: Jan Larsson, Umeå University, Sweden
9:00	<b>Keynote 5:</b> Julius Brennecke, IMBA, Austria <i>Avoiding genetic auto-immunity in genome defense pathways</i>
9:40	Bastian Fromm, Stockholm University, The Wenner-Gren Institute, Sweden <i>The Metazoan microRNA complement</i>
9:55	Marika Ström, Karolinska Institute, Sweden <i>Alterations in extracellular vesicle miRNA cargo correlates with lung function and small airways disease in male COPD patients</i>
10:10 – 10:40	Coffee break
10:40 – 12:05	<b>Session 5</b> Chair: Katja Petzold, Karolinska Institute, Sweden
10:40	<b>Keynote 2:</b> Holger Stark, Max Planck Institute, University of Göttingen, Germany <i>The 3D structure of the human C complex and other lessons to be learned from cryo-EM structures of the spliceosome</i>
11:20	Lars-Anders Carlson, Umeå University, Sweden <i>In situ structural studies of positive-sense RNA virus replication using cryo-electron tomography</i>
11:35	Shovamayee Maharana, BIOTEC – TU Dresden, Germany <i>RNA tunes the solubility and phase behavior of prion-like RNA-binding proteins</i>
11:50	Yunji Zheng, Lund University, Sweden <i>Three AC(A/G)AGG RNA motifs control splicing of the HPV16 E2-specific mRNA splice site</i>
12:05 – 13:30	Lunch break
13:30 – 16:20	Zoo excursion, specialised in Nordic fauna

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16:20 – 17:30	<b>Session 6</b> Chair: Carlos Rovira, Lund University, Sweden
16:20	<b>Keynote 6:</b> Claire Rougelle, Paris Diderot University, France <i>The RNA circuitry controlling X chromosome inactivation in mammals</i>
17:00	Ning Xu Landén, Karolinska Institute, Sweden <i>Long non-coding RNA WAKMAR1 regulates wound healing by enhancing keratinocyte migration</i>
17:15	Marek Bartosovic, Karolinska Institute, Sweden <i>Mechanism and function of lncRNAs involved in oligodendrocyte lineage development</i>
17:30 – 19:00	<b>Poster session</b>
19:00 – 21:00	Dinner
21:00	Social hour

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### Friday, September 20<sup>th</sup>

8:45 – 9:55	<b>Session 7</b> Chair: Stefan Björklund, Umeå University, Sweden
8:45	<b>Keynote 7:</b> Stepanka Vanacova, CEITEC – MU, Czech Republic <i>The dynamics of aberrant RNA uridylation and decay in human cells</i>
9:25	Neus Visa, Stockholm University, Sweden <i>RNA synthesis and degradation at DNA double strand breaks</i>
9:40	Marcel Tarbier, Stockholm University, Sweden <i>Drivers of single-cell gene expression variation and co-variation at the primary mRNA, mature mRNA and protein level</i>
9:55 – 10:25	Coffee break
10:25 – 11:55	<b>Session 8</b> Chair: Jörgen Johansson, Umeå University, Sweden
10:25	<b>Keynote 8:</b> Maude Guillier, IBPC, France <i>Revisiting translation initiation in bacteria with small RNA control</i>
11:05	Shreekara Gopalakrishna, Karolinska Institute, Sweden <i>C6orf203 is an RNA-binding protein involved in mitochondrial protein synthesis</i>
11:20	Kemal Avican, Umeå University, Sweden <i>'Stress-driven transcriptome dynamics in diverse human bacterial pathogens'</i>
11:35	Gemma Atkinson, Umeå University, Sweden <i>Panacea - a universal antitoxin domain</i>
11:50 – 12:00	Concluding remarks
12:00	Packed Lunch and departure

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