

Program

DAY 1: Monday, July 4th

- 12:00** **REGISTRATION OPENING**
Light finger food and beverages available
- 14:00 - 14:30** **WELCOME ADDRESS**
- 14:30 - 16:15** **SESSION I** (Chair: Dina Grohmann)
14:30 – 15:10 **Holger Stark**
"The structural caprices of the Spliceosome"
- 15:10 – 15:35** **Lukas Stelzl**
"(Dys)-regulation of the phase separation of RNA-binding proteins studied by multi-scale simulations"
- 15:35 – 16:15** **Olivier Duss**
"Real-time tracking of transcription-translation coupling"
- 16:15 – 16:45** **POSTER PREVIEW I** (Poster Flash Talks for posters 1-20: 1 min/ poster)
- 16:45 - 17:15** **COFFEE BREAK**
- 17:15 – 17:45** **POSTER PREVIEW II** (Poster Flash Talks for posters 21-41: 1 min/ poster)
- 17:45 – 19:00** **KEYNOTE I: Joachim Frank** (Chair: Herbert Tschochner)
"Time-resolved cryo-electron microscopy applied to the study of short-lived states in translation"
- 19:00 – 22:00** **SCIENCE TOGETHER I: POSTER SESSION, DRINK & FOOD**

DAY 2: Tuesday, July 5th

- 09:00 - 10:45** **SESSION II** (Chair: Sarah Willkomm)
09:00 - 09:40 **Ulrike Endesfelder**
"Visualizing cellular life: From single cell imaging to in vivo single-molecule biochemistry and (micro-)biology"
- 09:40 - 10:05 **Pravin Kumar Ankush Jagtap**
"Molecular insights into non-coding roX RNA remodelling during Drosophila dosage compensation"
- 10:05 - 10:45 **Franz Gießibl**
"Exploring the world at the femtometer and femtonewton scale"
- 10:45 – 11:15** **COFFEE BREAK**
- 11:15 – 12:30** **KEYNOTE II: Sarah Woodson** (Chair: Sébastien Ferreira-Cerca)
"Assembly of RNA-protein complexes during transcription"
- 12:30 – 14:00** **LUNCH BREAK**
- 14:00 - 15:45** **SESSION III** (Chair: Jan Medenbach)
14:00 – 14:40 **Kevin Weeks**
"Structure-Based Discovery of New Functions in Large RNAs"
- 14:40 – 15:05 **Markus Bohnsack**
"The RNA helicase Dbp7 promotes domain V/VI compaction and stabilization of inter-domain interactions during early 60S assembly"
- 15:05 – 15:45 **Julia Weigand**
"Specifying the rules for shape-selective mRNA recognition by RBPs"
- 15:45 - 16:15** **COFFEE BREAK**
- 16:15 - 17:45** **SESSION IV** (Chair: Remco Sprangers)
16:15 – 16:55 **Sarah Keane**
"Structural elucidation of the oncomiR-1 RNA"
- 16:55 – 17:20 **Alisha Jones**
"Conformational effects of a cancer-linked mutation in pri-miR-30c RNA"
- 17:20 – 17:45 **Nestor Miguel Castillo Duque de Estrada**
"Structure of nascent 5S RNPs at the crossroad between ribosome assembly and MDM2-p53 pathways"
- 18:00 – 22:00** **SCIENCE TOGETHER II: POSTER SESSION, DRINK & FOOD**
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DAY 3: Wednesday, July 6th

09:00 - 10:45	SESSION V (Chair: Gunhild Sommer)
09:00 – 09:40	Sebastian Falk <i>“Mechanistic insights into C. elegans piRNA biogenesis”</i>
09:40 – 10:05	Ona Marija Singh <i>“Dissecting the molecular functions of the RNA-binding, LCD-containing protein Rbfox1 in ovaries”</i>
10:05 – 10:45	Katja Petzold <i>“Structural Changes in MicroRNA Regulate Function”</i>
10:45 - 11:15	COFFEE BREAK
11:15 - 12:45	SESSION VI (Chair: Daniele Hasler)
11:15 – 11:55	Cornelia Kilchert <i>“The essential DEAD-box ATPase Dbp2 functions in nuclear RNA surveillance”</i>
11:55 – 12:20	Clément Chapat <i>“Proximity mapping of the m6A-driven silencing machinery uncovers its intimate proximity with translating ribosomes”</i>
12:20 – 12:45	Sebastian Glatt <i>“How to study modifications of human tRNAs by cryo-EM”</i>
12:45 - 14:15	LUNCH BREAK
14:15 – 16:10	SESSION VII (Chair: Sébastien Ferreira-Cerca)
14:15 – 14:40	Helmut Bergler <i>“Visualizing dynamics of pre-ribosome remodeling using cryo-EM and small molecular weight inhibitors”</i>
14:40 - 15:05	Ivo Zemp <i>“VPRBP is involved in turnover of excess ribosomal proteins”</i>
15:05 – 15:30	Brigitte Pertschy <i>“Three novel ribosome assembly factors participating in early pre-60S maturation”</i>
15:30 - 16:10	Irmi Sinning <i>“Structural insights into a thermophilic 80S ribosome and beyond”</i>
16:10 – 16:40	COFFEE BREAK
17:00 – 18:45	CITY TOUR
18:45 – 23:00	BBQ

DAY 4: Thursday, July 7th

9:00 - 11:00	SESSION VIII (Chair: Thomas Dresselhaus)
09:00 - 09:40	Philip Tinnefeld <i>"Single-Molecule Microscopy: Pushing the limits of superresolution and FRET"</i>
09:40 - 10:20	Hailing Jin <i>"Cross-Kingdom RNAi and small RNA trafficking between plant hosts and fungal pathogens"</i>
10:20 - 11:00	Aline Koch <i>"Uptake and transport of sprayed RNAs in plants – The great barrier leaf"</i>
11:00 - 11:30	COFFEE BREAK
11:30 - 12:45	KEYNOTE III: Elena Conti (Chair: Remco Sprangers) <i>"The RNA exosome complex: the Dr Jekyll and Mr Hyde of RNA degradation"</i>
12:45	CLOSING REMARKS
13:00	LUNCH and DEPARTURE
