

Preliminary Program:

**Wednesday, June 21**

19:00 Welcome Mixer (Rosenpark, Atrium Bar)

**Thursday, June 22**

8:30 – 12:00 Morning Session: „CircRNAs and Splicing“ (Rosenpark, Vivaldi)

Chair: G. Schratt

8.30: Welcome G. Schratt

**8:45 – 9:15 J. Kjems (Odense): Biogenesis and function of circular RNA in mammalian brain development**

**9:15 – 9:45 T. Rana (San Diego): RNA regulation of immunity and viral infections**

*9:45 – 10:00 SPP1738 talk (C. Dieterich (P8)): Solving circular RNA numbers, forms and functions with Circtools*

10:00 – 10:30 coffee break

**10:30 – 11:00 J. Ule (London): Exon Junction Complex inhibits recursive splicing of canonical exons**

**11:00 – 11:30 P. Scheiffele (Basel): Alternative splicing mechanisms for neuronal recognition and plasticity**

*11:30 – 11:45 SPP1738 Talk (M. Briese (P3)): hnRNP R and its main interactor, the noncoding RNA 7SK, co-regulate the axonal transcriptome of motoneurons*

*11:45 – 12:00 short talk (F. Finger (P22)): Organismal proteostasis defined by a single microRNA/mRNA pair in chemosensory neurons*

12:00 – 13:30 lunch break

13:30 – 17:00 Afternoon Session: „neurogenesis and lncRNAs“ (Rosenpark, Vivaldi)

Chair: U. Fischer

**13:30 – 14:00 V. Taylor (Basel): Drosha: A master regulator of neural stem cell fate**

**14:00 – 14:30 D. de Pietri Tonelli (Genova): Dissecting alternative pathways and functions of the microRNA biogenesis machinery in mammalian neurogenesis**

*14:30 – 14:45 SPP1738 Talk (J. Ninkovic (P10)): Choroid Plexus Releases miR-204 Regulating the Number of Neural Stem Cells in the Subependymal Zone*

*14:45 – 15:00 short talk (F. Dajas-Bailador (P15)): Role of axonal miRNAs -26a and -99a in cortical neuron polarization and axonal growth: implications for neuron connectivity and Alzheimer's disease pathology*

15:00 – 15:30 coffee break

**15:30- 16:00 D. Lim (San Francisco): Long noncoding RNA regulation of neural development and brain tumors**

*16: 00 – 16:15 SPP1738 talk (T. Ziegenhals (P4)): The role of the miR-26 family in neurogenesis*

*16:15 – 16:30 short talk (A. Rom(P16)): linc-Chd2 in mouse neuronal development*

**16:30 – 17:00 N. Rajewsky (Berlin) knocking out circular RNAs and single cell sequencing of neural tissues**

17:00 – 19:00 Poster session 1 (P1-28) (Rosenpark, Bankett Foyer)

19:00 Buffet dinner (Rosenpark, Bankett Foyer)

## **Friday, June 23**

8:30 – 12:00 Morning Session: „miRNA function in plasticity and behavior“  
(Rosenpark, Vivaldi)

Chair: M. Kiebler

**8:30 – 9:00: E. Lai (New York): Drosophila miRNAs in neural development and behavior**

**9:00 – 9:30 K. Kosik (Santa Barbara): High Throughput Profiling of the microRNA - mRNA Interactome in the Developing Human Brain**

*9:30 – 9:45 SPP1738 talk (S. Fernandez-Moya(P34)): Linking the dsRNA-binding protein Stauf2 to the miRNA pathway in neurons*

*9:45 – 10:00 short talk (M. Rajman(P52)): A microRNA-129-5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses*

10:00 – 10:30 coffee break

**10:30 – 11:00 G. Bassell (Atlanta): Role of the schizophrenia-associated microRNA miR-137 in neurodevelopmental signal transduction**

**11:00 – 11:30 E. Bertrand (Montpellier): mRNA localization and translation: what can we learn from non-neuronal cells**

*11:30 – 11:45 SPP1738 talk (F. Rehfeld (P32)): The novel RNA binding protein ARPP21 controls dendritic branching by functionally opposing the miRNA it hosts*

*11:45 – 12:00 short talk (G. Lippi(P38)): MicroRNAs Orchestrate a Critical Developmental Window to Produce Balanced Networks in the Adult*

12:00 – 13:30 lunch break

13:30 – 17:00 Afternoon Session: „non-coding RNAs in brain disease“ (Rosenpark, Vivaldi)

Chair: A. Fischer

**13:30 – 14:00 J.P. Lopez (A. Chen lab, Munich): MicroRNAs as Biomarkers of Antidepressant Treatment Response**

**14:00 – 14:30 I. Mansuy (Zurich): Transgenerational effects of early life trauma: Epigenetic mechanisms involving the germline**

*14:30 – 14:45 SPP1738 talk (T. Vogel (P29)): FOXG1 and DDX5 associate with the microprocessor complex to control PRKAR2B expression via miR200 family members in a mouse model of atypical Rett-syndrome)*

*14:45 – 15:00 short talk (C. Gross (P55)): MicroRNA-mediated silencing in seizure regulation*

15:00 – 15:30 coffee break

**15:30 – 16:00 A. Schaefer (New York): MicroRNA miR-128, a novel regulator of motor behavior and seizures in mice**

**16:00 – 16:30 E. Hornstein (Tel Aviv): microRNA failure in ALS**

**16:30 – 17:00 H. Soreq (Jerusalem): Short and Long Non-coding RNA Controllers of Cholinergic Signaling Contribute to Anxiety-related and Metabolic Disorders**

17:00 – 19:00 Poster session 2 (P29-57) (Rosenpark, Bankett Foyer)

19:00 Speakers dinner (Bückingsgarten)

**Saturday, June 24**

9:30 – 11:30 Visit of Marburg Old Town

Departure