

Planned program and time schedule

Event website: <https://indico.dkfz.de/event/793/>

Location: Heidelberg Academy of Science, Karlstraße 4, 69117 Heidelberg

Day 1. Wed, Sept 11

12.00-14.00 h arrival / check-in / light snacks

14.00 h **Welcome and Session 1: Normal cerebellar development**

14.00-14.15 h Welcome: Simone Mayer/Lena Kutscher

14.15-15.00 h **Mary Beth Hatten**: Molecular Control of Cerebellar Circuit Formation

15.00-15.45 h **Alex Joyner**: Functional implications of spatially defined molecular subclasses of cerebellar excitatory neurons

15.45-16.15 h Coffee break

16.15-17.00 h **Sumru Bayin**: Unraveling mechanisms of cerebellum development and regeneration

17.00-17.20 h *Talk chosen from abstracts*

17.20-17.30 h Poster flash talks

17.30-18.30 h Poster session

18.30 h: Speaker dinner

Day 2. Thur, Sept 12

09.00 h **Session 2: Transcriptional control of cerebellar development**

09.00-09.45 h **Kathy Millen**: A human-centric view of cerebellar development is required to understand human cerebellar disease

09.45-10.30 h **Mari Sepp**: Cellular Development of the Mammalian Cerebellum through an Evolutionary Lens

10.30-11.00 h Coffee break

11.00-11:45 h **James Li**: Single cell and spatial expression profiling to decipher the parcellation of the cerebellar cortex

11.45-13.15 h Lunch

13.15-14.00 h **Myron Evans**: Epigenetic regulation of cerebellar development and tumorigenesis

14.00-14.20 h *Talk chosen from abstracts*

14.20-14.30 h Poster flash talks

14.30-16.00 h Poster session, with coffee and cake

17.15-22.00 h City tour

Day 3. Fri, Sept 13

09.00 h **Session 3: Models of cerebellar development and disease**

09.00-09.45 h **Giorgia Quadrato**: Modeling human cerebellar development and disease at single cell resolution with organoids

09.45-10.30 h **Simone Mayer**: Cerebellar organoids as a model for pontocerebellar hypoplasia

10.30-11.00 h Coffee break

11.00-11.45 h **Vincent Cantagrel**: Modeling human cerebellar development and malformations using cerebellar organoids

11.45-12.00 h *Talk chosen from abstracts*

12.00-12.15 h *Talk chosen from abstracts*

12.15-13.15 h Lunch

13.15-14.00 h **Esther Becker**: Modelling cerebellar diseases using iPSC-derived organoid models

14.00-14.45 h **Teresa Silva**: Investigating trisomy 21-associated cerebellar developmental alterations using human cerebellar organoids

14.45-15.15 h Coffee break

15.15-16.00 h **Lena Kutscher**: Neurodevelopmental principles underlying pediatric brain cancer

16.00-16.45 h **Roy Sillitoe**: Synaptic origins of cerebellar disease

16.45-17.15 h Break

17.15-18.30 h Final discussion

19.30 h Conference dinner for all participants, Kulturbrauerei Heidelberg