

Programme

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- **The final conference details including the log-in to the virtual event platform were sent on 26 October 2020 by elisabeth.wintersteller@embl.de.**
- The virtual conference includes live-streamed invited speaker and short talks with Q&A sessions after each talk. Discussion is possible throughout the entire meeting on the event platform.
- Access to the recorded talks will be available for 2 weeks after the start of the event.

The following times are used in the programme below:

- Central European Time (CET): eg. Berlin, Amsterdam, Paris
- Eastern Daylight Time (EDT): eg. New York, Quebec

To find out the equivalent time zone in your location, enter Berlin, the CET programme time and your city into the [Time Zone Converter](#).

Day 1 - Wednesday 28 October 2020

Time	Speaker
13:00-13:10 (CET) 08:00-08:10 (EDT)	Opening remarks
13:10-15:55 (CET) 08:10-10:55 (EDT)	Virtual Session 1 - Epigenetics of cell identity in the brain Chair: André Fischer
13:10-13:40 (CET) 08:10-08:40 (EDT)	Selective Involvement of PRC2 in Mouse Hypothalamus Cell Specification Stefan Thor - The University of Queensland, Australia <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
13:40-14:10 (CET) 08:40-09:10(EDT)	Time to get up: awakening stem cells in the brain Andrea Brand - The Gurdon Institute, University of Cambridge, UK
14:10-14:30 (CET) 09:10-09:30 (EDT)	Short talk: Cell Type Specificity of Genomic Imprinting in Cerebral Cortex Florian Pauler - Institute of Science and Technology Austria, Austria <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
14:30-14:35 (CET) 09:30-09:35 (EDT)	Break
14:35-15:05 (CET) 09:35-10:05 (EDT)	Mehanisms of direct neuronal reprogramming Magdalena Götz - Ludwig-Maximilians-Universität München, Germany

Day 1 - Wednesday 28 October 2020

Time	Speaker
15:05-15:35 (CET) 10:05-10:35 (EDT)	Understanding brain development and disease: from the embryo to brain organoids Paola Arlotta - Harvard University, USA
15:35-15:55 (CET) 10:35-10:55 (EDT)	Short talk: Cell-type specialization in the brain is encoded by specific long-range chromatin topologies Warren Winick-Ng - Max Delbrück Center for Molecular Medicine, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
15:55-16:25 (CET) 10:55-11:25 (EDT)	Meet the Speakers of Session 1 in the individual Zoom rooms
16:25-16:40 (CET) 11:25-11:40 (EDT)	Break
16:40-20:20 (CET) 11:40-15:20 (EDT)	Virtual Session 2 - Chromatin regulation during neurodevelopment Chair: Anne Schaefer
16:40-17:10 (CET) 11:40-12:10 (EDT)	Genomic imprinting in brain: cell diversity and function Catherine Dulac - Harvard University, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
17:10-17:40 (CET) 12:10-12:40 (EDT)	Distinct Polycomb chromatin signatures regulate activity-dependent transcription in developing neurons Filippo Rijli - Friedrich Miescher Institute for Biomedical Research, Switzerland
17:40-18:00 (CET) 12:40-13:00 (EDT)	Short talk: Transcription factor-mediated reorganization of the regulatory landscape in cortical development Boyan Bonev - Helmholtz Zentrum München, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
18:00-18:15 (CET) 13:00-13:15 (EDT)	Break
18:15-18:45 (CET) 13:15-13:45 (EDT)	Histone methylations establish transmittable layer identity in cortical progenitors Tanja Vogel - University of Freiburg, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
18:45-19:15 (CET) 13:45-14:15 (EDT)	Chromatin remodeling in neuronal development Gerald Crabtree - Stanford University/Howard Hughes Medical Institute, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
19:15-19:30 (CET) 14:15-14:30 (EDT)	Break
19:30-19:50 (CET) 14:30-14:50 (EDT)	Short talk: The role of chromatin regulator Dot1L in neuronal function and neurodevelopmental disorders Erica Korb - University of Pennsylvania, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
19:50-20:20 (CET) 14:50-15:20 (EDT)	The generation of neuronal diversity Claude Desplan - New York University, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>

Day 1 - Wednesday 28 October 2020

Time	Speaker
20:20-20:50 (CET) 15:20-15:50 (EDT)	Meet the Speakers of Session 2 in individual Zoom rooms
20:50-22:00 (CET) 15:50-17:00 (EDT)	Optional: Virtual Bar Mixer (using Zoom)
22:00 (CET) 17:00 (EDT)	End of day 1 - Continued access to digital posters, networking and discussion platforms, videos on demand

Day 2 - Thursday 29 October 2020

Time	Speaker
13:00-15:45 (CET) 08:00-10:45 (EDT)	Virtual Session 3 - Transcriptional regulation of neuronal activity and plasticity Chair: Boyan Bonev
13:00-13:20 (CET) 08:00-08:20 (EDT)	Short talk: A novel enhancer regulates BDNF expression in cortical neurons Emily Brookes - University College London, UK <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
13:20-13:50 (CET) 08:20-08:50 (EDT)	LSD1 and neuronal plasticity Elena Battaglioli - University of Milan, Italy <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
13:50-14:10 (CET) 08:50-09:10 (EDT)	Short talk: KMT2D haploinsufficiency impairs synaptic activity and neuronal maturation through transcriptional and chromatin rewiring in Kabuki Syndrome human models Alessandro Vitriolo - University of Milan, Italy <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
14:10-14:25 (CET) 09:10-09:25 (EDT)	Break
14:25-14:55 (CET) 09:25-09:55 (EDT)	Hardwired neuronal identity and its sex-specific plasticity Oliver Hobert - Columbia University, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
14:55-15:25 (CET) 09:55-10:25 (EDT)	Stimulation dependent chromatin function in neurons Kyung Min Noh - EMBL Heidelberg, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
15:25-15:45 (CET) 10:25-10:45 (EDT)	Short talk: Decoding Gene Regulation of Neuronal Activity with Time-resolved Single-cell RNA Sequencing Hao Wu - University of Pennsylvania, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
15:45-16:15 (CET) 10:45-11:15 (EDT)	Meet the Speakers of Session 3 in the individual Zoom rooms
16:15-17:30 (CET) 11:15-12:30 (EDT)	Virtual Poster Session 1 (all numbers)
17:30-21:30 (CET) 12:30-16:30 (EDT)	Virtual Session 4 - Gene regulation and behavior Chair: Stefan Stricker

Day 2 - Thursday 29 October 2020

Time	Speaker
17:30-18:00 (CET) 12:30-13:00 (EDT)	C.elegans Parental Experiences Regulate a Critical Decision Made by the Progeny Oded Rechavi - Tel-Aviv University, Israel
18:00-18:30 (CET) 13:00-13:30 (EDT)	Sex-specific learning in worms Arantza Barrios - University College London, UK AVAILABLE ON DEMAND AFTER LIVE STREAM
18:30-18:50 (CET) 13:30-13:50 (EDT)	Short talk: Neuroepigenetic regulation of a flexible behavioral circuit Joy Meserve - University of Pennsylvania, USA AVAILABLE ON DEMAND AFTER LIVE STREAM
18:50-18:55 (CET) 13:50-13:55 (EDT)	Break
18:55-19:25 (CET) 13:55-14:25 (EDT)	Persistent epigenetic reprogramming of sweet taste by diet Monica Dus - University of Michigan, USA AVAILABLE ON DEMAND AFTER LIVE STREAM
19:25-19:55 (CET) 14:25-14:55 (EDT)	Molecular regulation of brain and behavioral plasticity in ants Roberto Bonasio - University of Pennsylvania, USA
19:55-20:15 (CET) 14:55-15:15 (EDT)	Short talk: A conserved transcription factor and a novel nuclear protein modularly control mosquito behavior Nipun Basrur - The Rockefeller University, USA AVAILABLE ON DEMAND AFTER LIVE STREAM
20:15-20:30 (CET) 15:15-15:30 (EDT)	Break
20:30-21:00 (CET) 15:30-16:00 (EDT)	Evolution of nervous system amongst Drosophila species David Stern - Janelia Research Campus, USA
21:00-21:30 (CET) 16:00-16:30 (EDT)	Neuromodulation of germline development and proliferation Giovanni Bosco - Geisel School of Medicine at Dartmouth, USA AVAILABLE ON DEMAND AFTER LIVE STREAM
21:30-22:00 (CET) 16:30-17:00 (EDT)	Meet the Speakers of Session 4 in individual Zoom rooms
22:00 (CET) 17:00 (EDT)	End of day 2 - Continued access to digital posters, networking and discussion platforms, videos on demand

Day 3 - Friday 30 October 2020

Time	Speaker
13:00-15:45 (CET) 08:00-10:45 (EDT)	Virtual Session 5 - Chromatin in brain disease Chair: Elizabeth Heller
13:00-13:30 (CET) 08:00-08:30 (EDT)	The genetics and epigenetics of Rett syndrome Adrian Bird - University of Edinburgh, UK AVAILABLE ON DEMAND AFTER LIVE STREAM
13:30-14:00 (CET) 08:30-09:00 (EDT)	Epigenetics and systemic medicine in neurodegenerative diseases André Fischer - German Center for Neurodegenerative Diseases, Germany

Day 3 - Friday 30 October 2020

Time	Speaker
14:00-14:20 (CET) 09:00-09:20 (EDT)	Short talk: De novo mutations in LSD1 interrupt ZEB1 activity in hiPSCs and enhancer remodeling during the early stage of lineage differentiation Daria Bunina - EMBL Heidelberg, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
14:20-14:25 (CET) 09:20-09:25 (EDT)	Break
14:25-14:55 (CET) 09:25-09:55 (EDT)	Transcriptomic dissection of Alzheimer's disease at the single cell resolution Li-Huei Tsai - Massachusetts Institute of Technology, USA
14:55-15:25 (CET) 09:55-10:25 (EDT)	Epigenetic control of brain region-specific microglia specification Anne Schaefer - Icahn School of Medicine at Mount Sinai, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
15:25-15:45 (CET) 10:25-10:45 (EDT)	Short talk: Functional analysis of chromatin modifier Autism risk genes reveals unique and converging roles on cell specification and behavior Valerie Tornini - Yale University, USA <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
15:45-16:15 (CET) 10:45-11:15 (EDT)	Meet the Speakers of Session 5 in the individual Zoom rooms
16:15-17:30 (CET) 11:15-12:30 (EDT)	Virtual Poster Session 2 (all numbers)
17:30-20:15 (CET) 12:30-15:15 (EDT)	Virtual Session 6 - Epigenetic engineering and epigenomic mapping Chair: Monica Dus
17:30-18:00 (CET) 12:30-13:00 (EDT)	Epitranscriptomic regulation in the mammalian nervous system Hongjun Song - University of Pennsylvania, USA
18:00-18:30 (CET) 13:00-13:30 (EDT)	Analysis and manipulation of facilitators and barriers of cell identity reprogramming Stefan Stricker - Ludwig-Maximilians-Universität München, Germany <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
18:30-18:50 (CET) 13:30-13:50 (EDT)	Short talk: Histone modifications and transcription factor binding in the brain at single-cell resolution Marek Bartosovic - Karolinska Institutet, Sweden <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
18:50-18:55 (CET) 13:50-13:55 (EDT)	Break
18:55-19:25 (CET) 13:55-14:25 (EDT)	Post-mitotic chromatin remodelling during neuronal maturation Tony Southall - Imperial College London, UK <i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
19:25-19:55 (CET) 14:25-14:55 (EDT)	Single-cell transcriptomics and epigenomics reveal disease-specific states of oligodendroglia in multiple sclerosis Goncalo Castelo-Branco - Karolinska Institutet, Sweden

Day 3 - Friday 30 October 2020

Time	Speaker
	<i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
	Short talk: Chromatin-mediated alternative splicing regulates cocaine reward behavior
19:55-20:15 (CET) 14:55-15:15 (EDT)	Elizabeth Heller - University of Pennsylvania, USA
	<i>AVAILABLE ON DEMAND AFTER LIVE STREAM</i>
20:15-20:30 (CET) 15:15-15:30 (EDT)	Closing Remarks
20:30-21:00 (CET) 15:30-16:00 (EDT)	Meet the Speakers of Session 6 in individual Zoom rooms
21:00 (CET) 16:00 (EDT)	End of the conference - Continued access to digital posters, networking and discussion platforms, videos on demand