

## The Brain Conferences

### Establishment and Maintenance of Brain Cell States

23 – 26 April 2023  
Rungstedgaard, Denmark

#### PROGRAMME

Sunday, 23 April 2023	
From 14:15	<i>Arrival and registration (35')</i>
14:50-15:00	<i>Welcome address from the Conference Chairs (10')</i>
<i>Afternoon Session Moderator: <b>Anne Schaefer</b></i>	
15:00-15:40	<b>Joe Ecker</b> , Salk Institute for Biological Studies, USA Single Cell Multiomic Mammalian Brain Cell Atlases (30'+10' Q&A)
15:40-16:20	<b>Danny Reinberg</b> , New York University, USA The Ying Yang of Polycomb in the brain and its consequences on mental diseases (30'+10' Q&A)
16:20-16:50	Coffee Break (30')
16:50-17:05	Short talk 1 (15')
17:05-17:20	Short talk 2 (15')
17:20-18:10	<b>Plenary Lecture:</b> <b>Claude Desplan</b> , New York University, USA Spatial and temporal cues for the generation of neural diversity (40'+10' Q&A)
19:00-21:30	Welcome Drink & Dinner (2h30')

<b>Monday, 24 April 2023</b>	
<i>Morning Session Moderator: <b>Elisabeth Binder</b></i>	
09:00-09:40	<b>Rudolf Jaenisch</b> , Whitehead Institute, MIT, USA (30'+10' Q&A)
09:40-10:20	<b>Jens Bruening</b> , Max Planck Institute for Metabolism Research, Germany Hypothalamic neurocircuit integration of internal state (30'+10' Q&A)
10:20-10:50	Group Picture & Coffee Break (30')
10:50-11:30	<b>Agnete Kirkeby</b> , University of Copenhagen, Denmark Modelling and repairing the human brain with stem cells (30'+10' Q&A)
11:30-12:10	<b>Ype Elgersma</b> , Erasmus University Medical Center, Netherlands Identifying mechanisms and treatment strategies for neurodevelopmental disorders (30'+10' Q&A)
12:10-12:50	<b>Jeanne Lawrence</b> , University of Massachusetts Medical School, USA Inducible Silencing of Trisomy 21 Reveals Neurodevelopmental Deficits of Down Syndrome in vitro (30'+10' Q&A)
12:50-14:00	Lunch (1h10')
<i>Afternoon Session Moderator: <b>Jens Bruening</b></i>	
14:00-14:40	<b>Nael Nadif Kasri</b> , Radboud University Medical Centre, Netherlands The role of chromatin remodelling in neurodevelopmental disorders (30'+10' Q&A)
14:40-15:20	<b>Elisabeth Binder</b> , Max Planck Institute of Psychiatry, Germany Molecular mechanisms of early environmental risk in psychiatric disorders (30'+10' Q&A)
15:20-15:30	End of the day: Group discussion and short break (10')
15:30-16:00	<b>Poster Spotlights I * (15 presentations, 90 seconds each) (30')</b>
16:00-18:00	<b>Poster Session I (2h)</b>
19:00-21:30	Dinner (2h30')

Tuesday, 25 April 2023	
<i>Morning Session Moderator: <b>Anne Brunet</b></i>	
09:00-09:40	<b>Julio Perez</b> , Max Planck Institute for Brain Research, Germany Exploring synaptic diversity through single synapse transcriptomics (30'+10' Q&A)
09:40-10:20	<b>Silvia Cappello</b> , Max Planck Institute for Psychiatry, Germany (30'+10' Q&A)
10:20-10:35	Short talk 3 (15')
10:35-11:00	Coffee Break (25')
11:15-15:15	<i>Social programme (4h)</i>
<i>Afternoon Session Moderator: <b>Ype Elgersma</b></i>	
15:30-16:10	<b>Alex Joyner</b> , Sloan Kettering Institute, US Ensuring stem cell flexibility to tackle perturbations during brain development (30'+10' Q&A)
16:10-16:50	<b>Elly Tanaka</b> , Research Institute of Molecular Pathology, Austria Diversity of radial glia involved in brain homeostasis and regeneration (30'+10' Q&A)
16:50-17:00	End of the day: Group discussion and short break (10')
17:00-17:30	<b>Poster Spotlights II ** (15 presentations, 90 seconds each) (30')</b>
17:30-19:30	<b>Poster Session II (2h)</b>
19:30-21:30	Dinner (2h)

<b>Wednesday, 26 April 2023</b>	
<i>Morning Session Moderator: <b>Agnete Kirkeby</b></i>	
09:00-09:40	<b>Anne Brunet</b> , Stanford University, USA Mechanisms of brain aging and rejuvenation (30'+10' Q&A)
09:40-10:20	<b>Eric Miska</b> , Gurdon Institute, University of Cambridge, United Kingdom (30'+10' Q&A)
10:20-10:50	Coffee Break (30')
10:50-11:30	<b>Andrea Brand</b> , Gurdon Institute, University of Cambridge, United Kingdom Time to get up: awakening stem cells in the brain (30'+10' Q&A)
11:30-11:45	Short talk 4 (15')
11:45-12:25	<b>Adrian Bird</b> , University of Edinburgh, United Kingdom Reading DNA methylation in the brain (30'+10' Q&A)
12:30-14:00	Lunch (1h30')
<i>Afternoon Session Moderator: <b>Adrian Bird</b></i>	
14:00-14:40	<b>Anne Schaefer</b> , Max Planck Institute for Biology of Ageing, Germany, Icahn School of Medicine at Mount Sinai, USA Plasticity of microglia functional states (30'+10' Q&A)
14:40-14:55	Short talk 5 (15')
14:55-15:10	Short talk 6 (15')
15:10-15:30	Coffee Break (20')
15:30-16:20	<b>Plenary Lecture:</b> <b>Michael Greenberg</b> , Harvard University, USA How Nature and Nurture Conspire to Control Brain Development and Function (40'+10' Q&A)
16:20-16:40	<i>Closing Remarks (20')</i>
18:00-19:00	Pre-dinner Drinks (1h)
19:00-22:00	Gala Dinner & Poster Awards (3h)

**Thursday, 27 April 2023**

Breakfast & departure