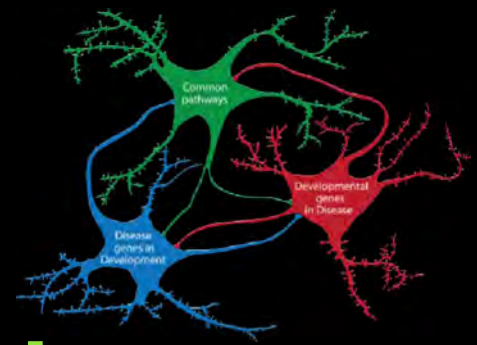


3rd international symposium organized by GRK2162

Developmental Processes in CNS Plasticity and Pathogenesis



Max Planck Institute for the Science of Light, Staudtstrasse 2, 91058 Erlangen

Day 1 - 9th of April 2025

10:00-11:00

Registration

11:00-12:30

Session 1: Molecular principles of neurodevelopment

Hynek Wichterle: Neuronal time-turner: Transcriptional reprogramming of spinal motor neuron age in the context of ALS

Short talk: Neuronal subtype specification of spinal projection and motor neurons by a common temporal sequence (**Laia Caudet Segarra**)

Joaquina Delas: Cis-regulatory strategies integrating spatial and temporal patterning in the vertebrate neural tube

Short talk: N6-methyladenosine mRNA modification is necessary and sufficient for repetitive transcranial magnetic stimulation induced plasticity (**Elli-Anna Balta**)

12:30-14:00

Round table lunch with speakers

14:00-15:00

Flash talk I

15:00-17:00

Poster session I

17:00-18:30

Session 2: Cell biological principles of neurodevelopment

Baptiste Libé-Philippot: Elucidating the cellular and molecular divergence of human neurons

Short talk: Direct lineage reprogramming as a heuristic approach to identify key players in human neurogenesis (**Linda Petrucci**)

Sebastian Jessberger: Molecular and functional heterogeneity of neural stem cells across lifespan

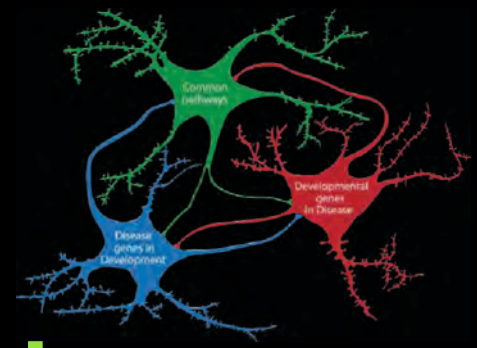
Short talk: Modulation of germ layer differentiation in early development by the SOXC transcription factor SOX11 (**Alexander von Eyb**)

19:30-22:00

Dinner at TIO Rustica, Ludwig-Erhard-Straße 13, 91052 Erlangen

3rd international symposium organized by GRK2162

Developmental Processes in CNS Plasticity and Pathogenesis



Max Planck Institute for the Science of Light, Staudtstrasse 2, 91058 Erlangen

Day 2 - 10th of April 2025

9:00-10:15

Session 3: Adult neurogenesis

Helena Mira: Ageing and rejuvenation of neural stem cell niches

Short talk: Assessing the functional role of niche astrocytes in regulation of adult hippocampal neurogenesis (**Evangelia Masouti**)

Darcie Moore: Dynamics underlying neural stem cell quiescence exit

10:15-10:45

Coffee

10:45-12:45

Session 4: Neural networks

Francesco Martini: Spontaneous activity: A master regulator of brain circuits development

Short talk: Investigating the role of Nup153 in neuronal responsiveness and its link to cognition (**Maria Ludovica Sforza**)

Sofia Grade: From sight to scent: Reorganization of sensory networks upon traumatic brain injury

Short talk: Deregulated translational control and somatosensory function in genetic models of autism spectrum disorders in *Drosophila* (**Yan Tang**)

Short talk: Temporal dissection of cellular and molecular features underlying direct fate conversion (**Filippo Zoppi**)

12:45-14:00

Round table lunch with speakers

14:00-15:00

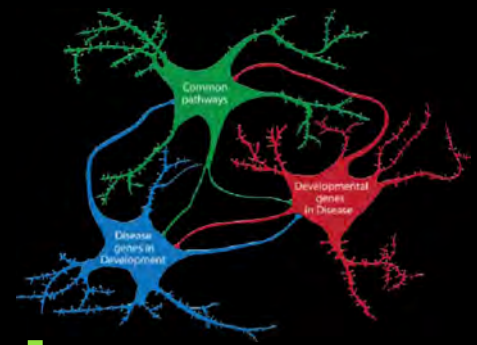
Flash talk II

15:00-17:00

Poster session II

3rd international symposium organized by GRK2162

Developmental Processes in CNS Plasticity and Pathogenesis



Max Planck Institute for the Science of Light, Staudtstrasse 2, 91058 Erlangen

17:00-18:30

Session 5: Neurodevelopmental disorders

Agnese Loda: Escape from X inactivation is directly modulated by levels of Xist non-coding RNA

Simon Hippenmeyer: Principles of neural stem cell lineage progression

Hans van Bokhoven: iPSC-derived neurons to dissect mechanisms of disease in neurodevelopmental disorders and preclinical therapeutic testing

18:30-22:00

Social Get-Together with Jillbaag Foodtruck

Day 3 - 11th of April 2025

9:00-10:30

Session 6: Neuropsychiatric disorders

Nicolas Toni: tba

Short talk: High-throughput phenotyping of fibroblast-derived induced neurons (FiNs) in SPG4-HSP (**Klara Metzner**)

Eero Castrén: Neuronal plasticity and the antidepressant drug action

Short talk: Contribution of astrocytes to synapse formation in newly generated neurons in the adult hippocampus (**Nicholas Chalmers**)

10:30-11:00

Coffee break

11:00-12:00

Session 7: Ageing and neurodegeneration

Moritz Mall: Safeguarding Neuronal Cell Identity to Prevent Fate Loss in Development and Aging

Ludo Van Den Bosch: Developmental abnormalities of motor differentiated from induced pluripotent stem cells (iPSCs) and their relevance to amyotrophic lateral sclerosis (ALS)

12:00

Wrap up and poster prizes