

Introductory Remarks to Satellite Symposium

7th Schram Foundation Symposium „Building a functional nervous system: from different cellular players to epigenetic regulation“

Carmen Ruiz de Almodovar and Tran Tuoc (Bonn and Bochum)

The Schram Foundation, launched by Dr. Armin Schram, supports basic brain research since more than 20 years. The 7th Schram Foundation Symposium, traditionally held as a satellite event of the biennial meeting of the German Neuroscience Society, will present a selection of recently funded projects. Three eminent keynote speakers will enrich the scientific program. Highlighting the interdisciplinary nature of modern neuroscience, the program will feature research of functional nervous system spanning from cellular players to epigenetic regulation.

The symposium will start with a keynote lecture by Klaus Armin Nave (Göttingen) about myelinating glial cells in brain development, functions and psychiatric diseases. This will be followed by contributions from four grant holders: Cordelia Imig (Copenhagen) presenting the signalling mechanisms in the gut-brain Axis; Benjamin Cooper (Göttingen) delineating the ultrastructural imaging of activity-induced synaptic states in cultured brain slices; Eugenio Fornasiero (Göttingen) discussing link between presynaptic protein turnover and synaptic vesicle recycling; Mareike Albert (Dresden) reporting on epigenetic regulation in cortical neurogenesis. The symposium will be concluded with two keynote lectures by Michael Wegner (Erlangen), a former Schram grantee, and Amparo Acker Palmer (Frankfurt), who will discuss about molecular mechanisms underlying gliogenesis and about the molecular pathways involved in the crosstalk between vessels and nerves, respectively.

Attendance of the symposium is complimentary.

Satellite Symposium

Tuesday, March 21st 2023

13:00h to 19:00h, Lecture Hall, MPINAT City-Campus

Hermann-Rhein-Straße 3, Göttingen

Chairs: Carmen Ruiz de Almodovar and Tran Tuoc (Bonn and Bochum)

13:00	Welcome and Opening Remarks (Eckart D. Gundelfinger, Magdeburg)
13:10	Klaus Armin Nave (Göttingen) POWERING AXONS: NOVEL FUNCTIONS OF MYELINATING OLIGODENDROCYTES
13:55	Cordelia Imig (Copenhagen) DISSECTING THE MECHANISMS MEDIATING NEUROTRANSMITTER AND PEPTIDE RELEASE FROM SENSORY CELLS IN THE GUT EPITHELIUM
14:25	Benjamin Cooper (Göttingen) ULTRASTRUCTURAL PERSPECTIVES OF PRESYNAPTIC FUNCTIONAL HETEROGENEITY AND ACTIVITY-DEPENDENT VESICLE POOL REMODELING
14:55	Coffee Break and Poster Session
15:50	Eugenio Fornasiero (Göttingen) A NANOBODY TOOLSET FOR ASSESSING SYNAPTIC VESICLE BIOGENESIS AND FUNCTION
16:20	Mareike Albert (Dresden) EPIGENETIC REGULATION OF NEURAL PROGENITOR CELLS IN THE DEVELOPING NEOCORTEX
16:50	Michael Wegner (Erlangen) MULTIPLE LAYERS: THE REGULATORY CIRCUITRY OF MYELINATION
17:35	Coffee Break
18:05	Amparo Acker Palmer (Frankfurt) NEUROVASCULAR INTERACTIONS DURING CNS DEVELOPMENT
18:50	Closing Remarks (Dorothea Schulte, Frankfurt/Main)