



SYMPOSIUM

NEURONAL CELL BIOLOGY- GÖTTINGEN AND BEYOND

16.06. – 18.06.2025

PROGRAMM

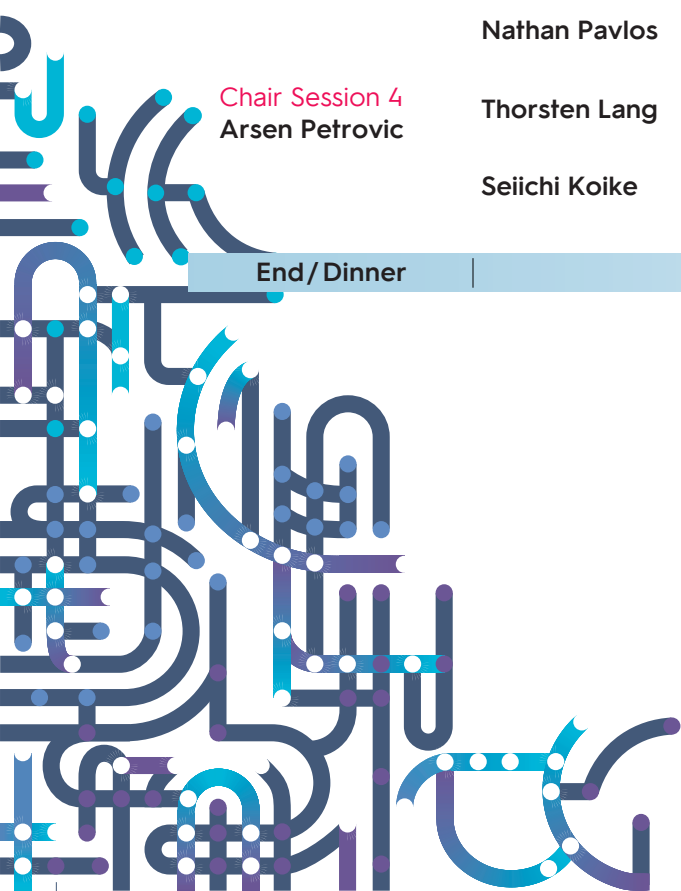
Manfred-Eigen-Hörsaal
MPI Faßberg 11
37077 Göttingen

Organizers

Silvio Rizzoli
Nils Brose
Dragomir Milovanovic
Christin Wiemuth
Elisa Reckmann
Franziska Schmidt

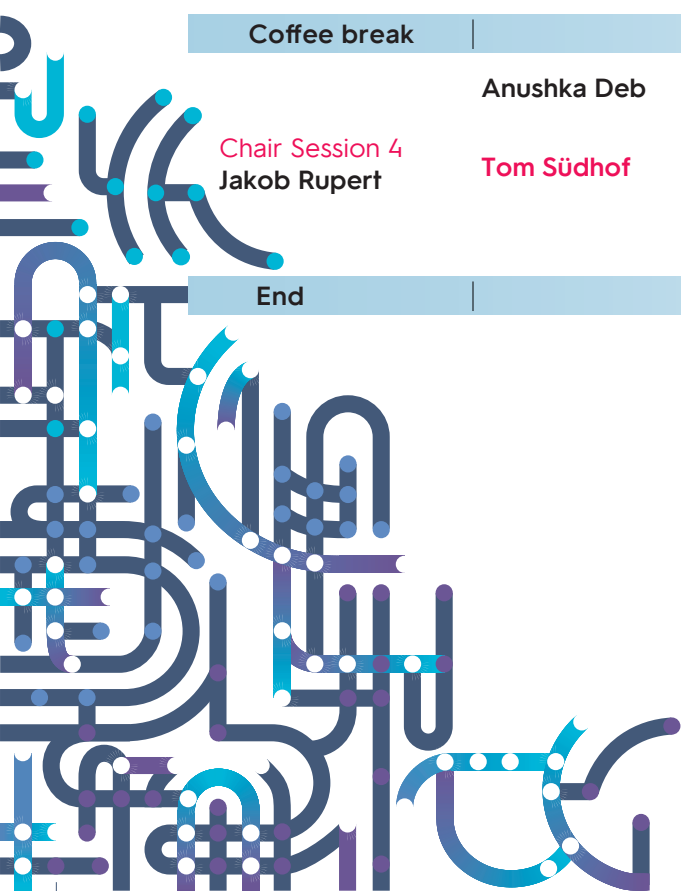
Monday 16.06.2025

	Speaker	Time	Title
Coffee area already set up			
Opening	Silvio Rizzoli	08:30	
Chair Session 1 Linda Kokwaro	Axel Brunger	08:45	Towards molecular imaging of synapses
	Agata Witkowska	09:15	Biophysical mechanisms of neuronal membrane shape regulation
	Francisco Angel Perez Lara	09:45	Deciphering the choreography of the SNARE complex assembly and disassembly
Coffee break		10:15	45min
Chair Session 2 Eman Abbas	Ira Milosevic	11:00	Towards improving organellar acidification and genome stability in the ageing brain
	John Chua	11:30	Fezzing up transport in neurons
	Wim Annaert	12:00	On the whereabouts of presenilin/g-secretase: from location to mechanisms and relevance for Alzheimer's disease pathogenesis
Lunch/Postersession		12:30	90min
Chair Session 3 Sofia Reshetniak	Ed Chapman	14:00	The physical properties of synaptic vesicles
	Johannes Tromm	14:30	Condensate biology of synaptic vesicles
	Erwin Neher	15:00	Some insights from studying a giant nerve terminal
Coffee break		16:00	30min
Chair Session 4 Arsen Petrovic	Nathan Pavlos	16:30	Membrane trafficking in skeletal health & disease: lessons learned from brain-to-bone
	Thorsten Lang	17:00	Unraveling the mystery of a family of small conserved membrane proteins (the tetraspanins)
	Seiichi Koike	17:30	Advancing Science Beyond the Achievements in Göttingen
End/Dinner		18:00	



Tuesday 17.06.2025

	Speaker	Time	Title
Coffee area already set up			
Chair Session 1 Han Wang	Phyllis Hanson	08:30	Stress, rupture and repair: cellular responses to endolysosomal damage
	Geert van den Bogaart	09:00	Giant worm-shaped ESCRT scaffolds support actin-independent cell adhesion
	Dirk Fasshauer	09:30	From the origins of vesicular transport to neuronal communication
Coffee break		10:00	45 min
Chair Session 2 Cristian Bogaciu	Lukas Tamm	10:45	Dancing with the SNAREs ... on membranes: why lipids matter
	Matthew Holt	11:15	Expanding the synapse: the role of astrocytes in differential synaptogenesis
	Wolfram Antonin	11:45	How cells reform their nucleus – studies in cells and test tubes
Lunch/ Postersession		12:45	105 min
Chair Session 3 Shujin He	Shigeo Takamori	14:30	Presynaptic phosphoinositide metabolism and synaptic vesicle recycling
	Johannes W. Hell Mary Horne	15:00	Role of adrenergic regulation of the L-type Ca channel Ca _v 1.2 in attention
	Yongsoo Park	15:30	Extracellular Vesicle (EV)-mediated immune dysregulation in autism spectrum disorder (ASD)
Coffee break		16:00	30 min
Chair Session 4 Jakob Rupert	Anushka Deb	16:30	Recycling in synapses: from vesicles to the extracellular matrix
	Tom Südhof	17:00	Deconstructing synapses: from synaptic vesicles to PSDs, from neurotransmitter release to neurotransmitter reception
End		18:15	



Wednesday 18.06.2025

	Speaker	Time	Title
Coffee area already set up			
Chair Session 1 Alex Korobeinikov	Tabrez Siddiqui	08:30	Molecular logic of trans-synaptic organization
	Frederieke Moschref	09:00	Presynaptic protein synthesis - quantitative ultrastructural analysis of presynaptic ribosomes
	Pietro De Camilli	09:30	Membrane and lipid dynamics in nervous system function
Coffee break		10:30	45min
Chair Session 2 Sonja Pribicevic	Alex Stein	11:15	How the ERAD machinery integrates lipid signals to regulate membrane composition
	Gabrielle Fischer von Mollard	11:45	Endosomal SNAREs and their interaction partners
	Julia Preobraschenski	12:15	New insights into the regulatory mechanisms of synaptic vesicle fusion
Closing remarks	Reinhard Jahn	12:45	
End		13:00	

