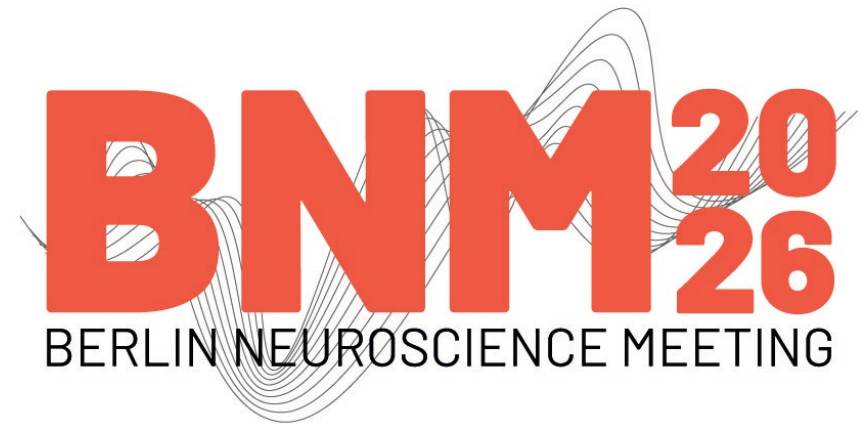


Poster sessions



Poster Session I - October 8, 17:15-18:45

Poster #	Presenter	Title	Research areas
1	Rithika Saroj Sankar Sankar	Investigating Tau protein interference with nucleolar biology in tauopathies	Cellular/molecular neurosciences
4	Clara Grosse	Roles of BAR domain proteins in neuronal membrane remodeling and synaptic plasticity	Cellular/molecular neurosciences
5	Elisabeth Stauffenberg	Investigating Safety and Therapeutic Potential of RBM3-Inducing ASOs in Neurodegenerative Diseases	Clinical/translational neuroscience
6	Shokoofehsadat Hosseini	Linking Scene Graph Generation Models with Human Attention Graphs	Systems neuroscience, networks & computational neurosciences
7	Luna Šošo Zdravković	Altered microglia-PVI interactions in DISC1 mutant mice	Cellular/molecular neurosciences
8	Marta Rosário	Regulating progenitor transitions in the neocortex	Cellular/molecular neurosciences

9	Aleksandra Zaykova	Reactivity and complexity alterations in peritumoral tissue measured by TMS-EEG	Clinical/translational neuroscience
12	Dejiao Xu	Neural Basis Of Resilience To Chronic Social Stress In Male Mice	Systems neuroscience, networks & computational neurosciences
14	Sicheng Zhang	Regulation of Neuronal Orientation During Development of the Mammalian Neocortex	Cellular/molecular neurosciences
15	Dmytro Puchkov	Geometric constraints in organelle shape regulation	Cellular/molecular neurosciences
16	Shreya Pokharel	The Role of Sleep in Memory Consolidation: A Psychobiological Analysis	
18	Lisa Huis in 't Veld	USP18 as a key regulator of IFN signalling and microglia function	Cellular/molecular neurosciences
19	Gabriela Vykysalá	Longitudinal behavioral profiling of MNK1 and Nlgn3 knockout mice using automated home-cage monitoring	Cellular/molecular neurosciences
20	Mahima Verginia Rebello	Functional Correlates of neurotoxicity after CART-cell therapy	Clinical/translational neuroscience
21	Ravi Paul	Fundamental Motor Skills in Cognitive Development	Clinical/translational neuroscience
22	Pinja Hillman	The lasting impact of early life stress – towards identifying behavioural phenotypes and associated neural signatures	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience

23	Ntsanyem Njeukwa Bounkeu	Phase-locked TMS-MEP mapping of peripheral TMS dose-response	Systems neuroscience, networks & computational neurosciences
24	Elisabeth Tchinmi	Anticonvulsant effect of <i>Asparagus africanus</i> Lam. root decoction on pilocarpine-induced temporal lobe epilepsy in white mice (<i>Mus musculus</i> Swiss)	Cellular/molecular neurosciences Clinical/translational neuroscience
25	Mahoor Nasouti	Characterization of Vessel-Reactive autoantibodies and Their Role in Neurological Autoimmune Diseases	Clinical/translational neuroscience
26	Taanisha Gupta	Beyond Canonical Gi/o Signalling: New Mechanisms in GNAO1-Related Neurological Disease	Cellular/molecular neurosciences
27	Clara Unger	Progestin-only contraceptive implant modulates baseline behavior and stress response in female mice	Clinical/translational neuroscience
28	Mostafa Nashaat	Mechanisms of decision uncertainty in mouse frontal cortex	Cellular/molecular neurosciences Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
29	Matthias Müller-Schrader	Hybrid linear model reveals increased interhemispheric symmetry in functional connectivity data	Systems neuroscience, networks & computational neurosciences
30	Ulrich Stoof	Multi-modal data integration to relate electrophysiology to (neuro)biological foundations	Systems neuroscience, networks & computational neurosciences

31	Georg Reich	Multi-Delay-Driven Hopfield Networks: High-Capacity Sequence Memory via Global Remapping	Systems neuroscience, networks & computational neurosciences
32	Orestis Stylianou	Alterations of EEG's aperiodic character in the contralateral prefrontal cortex after High Definition Transcranial Alternating Current Stimulation	Systems neuroscience, networks & computational neurosciences
33	laura Göschel	Longitudinal 7T MRS Study Of Glutamate And Gaba Dynamics In Alzheimer'S Disease progression: From Hyper- To Hypoexcitation	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
34	Anirban Chatterjee	The Role Of Map Kinase-Interacting Kinases 1 And 2 In Synaptic Morphology	Cellular/molecular neurosciences
37	Shivani Hariharan	Frontal Cortex Modulates Jamming Avoidance in Echolocating Bats	Systems neuroscience, networks & computational neurosciences
38	Leandre Ravatt	Interactions between Tau and Nuclear Transport Receptors	Cellular/molecular neurosciences
39	Malaika Mohammad	Hypertonic saline treatment increases blood-brain barrier dysfunction	Clinical/translational neuroscience
40	Pia Venneker	Does Stathmin2 regulate synapse number and composition in neurons?	Cellular/molecular neurosciences
41	Sharie Kossatz	The Presenilin Hypothesis of Alzheimer's Disease: Effects of Presenilin Loss-of-Function on Hippocampal Networks During Spatial Navigation	Cellular/molecular neurosciences Systems neuroscience, networks & computational neurosciences
42	Leonie Rommel	State-Dependent Remodeling of the Synaptic Proteome	Cellular/molecular neurosciences

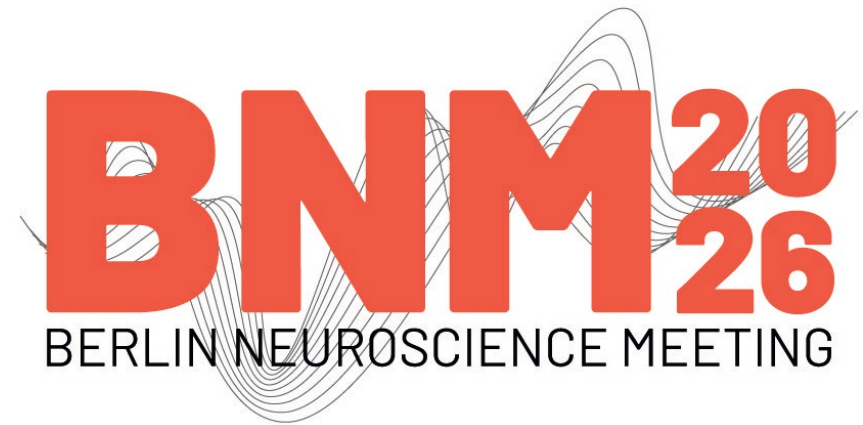
43	Lukas Maas	RBM3-inducing antisense-oligonucleotides as a potential therapy for Alzheimer's disease	Cellular/molecular neurosciences
45	Andjela Stojev	Hemorrhage Severity Correlates with Microglial Activation and Neuronal Loss following Subarachnoid Hemorrhage	Cellular/molecular neurosciences Clinical/translational neuroscience
46	Alexander Benkendorff	Microglia and CNS-associated Macrophages as drivers of post-stroke B-cell responses	Cellular/molecular neurosciences
47	Helen Ernst	Spinophilin directed PP1a dephosphorylation antagonizes aPKC to regulate active zone remodeling and memory formation	Cellular/molecular neurosciences
48	Katharina Pittner	Infant sleep is associated with hippocampal volume change across the first year of life	Clinical/translational neuroscience
49	Julianna Forbess	Determining the Effect of ComBat Multi-Site MRI Harmonization on Biological Signals	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
50	Katharina Friedrich	Maintaining presynaptic function in dopaminergic synapses	Cellular/molecular neurosciences
51	Yosra Gholami	The genetic architecture of human white matter tracts: A multivariate GWAS of 61,725 UK Biobank participants	Systems neuroscience, networks & computational neurosciences
52	Katharina Janvier	Investigating the influence of the microbiome on Alzheimer's Disease	Clinical/translational neuroscience

53	Jan Diarmuid O Croinin	Cortical Contributions to Innate Wet-Evoked Behaviours	Systems neuroscience, networks & computational neurosciences
54	Agustina Robles	Two critical windows for HDAC3 and NF- κ B in recognition memory persistence	Cellular/molecular neurosciences
55	Emily Withers	Understanding Triggers for Tau Redistribution in the Neuron	Cellular/molecular neurosciences
57	Jan-Bernhard Kordaß	Effects of transcranial current stimulation on hippocampal memory consolidation via sharp-wave-ripples	Clinical/translational neuroscience
58	Xiyu Wu	FoxO1 is associated with neurovascular damage in the retina and optic nerve after ischemia/reperfusion injury	Cellular/molecular neurosciences
59	Amanda Niquila	Role of posterior insular cortex in thermal-seeking behavior	Systems neuroscience, networks & computational neurosciences
60	Marina Jendrach	Impact of Nanoplastic Exposure on CNS function and Alzheimer's pathophysiology in APPPS1 mice	Cellular/molecular neurosciences
62	Urszula Swierczek	Investigating The Involvement Of Microglia In The Course Of Passive Anti-Amyloid Beta Immunotherapy In Alzheimer's Disease Mouse Models	
63	Begüm Devlet Kilickap	Spinal Cord Stimulation for Post-Stroke Motor Recovery	Clinical/translational neuroscience
64	Florian Wildner	Biochemical labeling of fast-spiking interneurons in the human temporal cortex reveals functional diversity and pronounced perineuronal nets in layer 4	Cellular/molecular neurosciences

65	Guillermina Rentsch	Characterizing Region-Specific Human Brain Extracellular Matrix in MS and ALS Decellularized Tissue	Cellular/molecular neurosciences
66	Anna Sylenko	The cytokine Interleukin-4 controls responses to acute stress via modulation of a pineal-habenula-raphé circuit	Cellular/molecular neurosciences
67	Abdulrahman Alkhamis Idris	Dissecting the Cellular and Synaptic Mechanisms of Resilience to Neurodegeneration in African Centenarian-Derived iPSC Neurons	Cellular/molecular neurosciences
68	Jonathan Alexis Cortes Silva	Multimodal Biomarkers of Resilience After Early-Life Stress: From molecular mechanisms to translational biomarker signatures	Clinical/translational neuroscience
69	Samuel Sunday Dare	Genetic Modulation of Neuronal Excitability: A Therapeutic Strategy for Epileptic Seizures	Cellular/molecular neurosciences Systems neuroscience, networks & computational neurosciences
70	Maria Victoria Falco Pastorino	Direct Reprogramming of Cultured Spinal Cord Cells	Cellular/molecular neurosciences
71	Hidaayah Oluwamayowa Jimoh-Abdulghaffaar	Gut Microbiome-Brain Signatures of Stress Susceptibility and Resilience Following Chronic Social Stress	Systems neuroscience, networks & computational neurosciences
72	Adedunsola Adewunmi Obasa	Cytoskeletal and Glial Mechanisms of Glucocorticoid (GC)-Driven Tau Pathobiology in Neurodegeneration	Cellular/molecular neurosciences
73	Esau Emmanuel Rodriguez Mendez	Exploring Metal Ion Modulation of Tau and PLPPR3 Biomolecular Condensates	Cellular/molecular neurosciences

74	Ivonne Sagrario Romero Flores	Hormonal fluctuations during pregnancy modulate tau phosphorylation and cognitive function in Alzheimer's disease	Cellular/molecular neurosciences Clinical/translational neuroscience
75	Idowu Jonas Sagbo	Does Ferroptotic Stress Disrupt Dendritic Spine Stability During Synaptic Plasticity?	Cellular/molecular neurosciences
76	Thanh Duy Vo	Baseline Imaging Phenotypes and Longitudinal Progression of Cerebral Small Vessel Disease After TIA and Minor Stroke: A Secondary Analysis of the INSPIRE-TMS Cohort	Clinical/translational neuroscience
113	Jiameng Wu	The effects of psychedelics on the extratelencephalic neurons in awake mice	Systems neuroscience, networks & computational neurosciences
119	Christian Ebner	Ultrafast transgene expression for imaging and optogenetics in rodent and human neurons	Cellular/molecular neurosciences Clinical/translational neuroscience
143	David Baidoe-Ansah	Early nutrition impacts later setmelanotide treatment of obesity in mice	Clinical/translational neuroscience
146	Sian Nina Duss	Neural basis of resilience to social stress in females: Role of mesolimbic dopamine circuits	Systems neuroscience, networks & computational neurosciences
148	Moises dos Santos Correa	Noradrenergic modulation of prosocial rescue behavior learning in the Dorsal Hippocampus of Mice	Systems neuroscience, networks & computational neurosciences

Poster sessions



Poster Session II - October 9, 17:00-18:30

Poster #	Presenter	Title	Research areas
3	Johannes Reilly	OnTrack: An intraoperative evaluation of tractography	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
11	Andrew Plested	Slow AMPA Receptors	Cellular/molecular neurosciences
35	Saeed Salehi	A Model of Feature Binding through attention	Systems neuroscience, networks & computational neurosciences
77	Nadezhda Evtushenko	Identification of CSF-contacting neurons subtypes in the mouse spinal cord	Systems neuroscience, networks & computational neurosciences
78	Poojashree Bhaskar	Cdr1as and mir-7 in synaptic function	Cellular/molecular neurosciences
79	Laura Kate Ismajli	Translational Roadblocks in Preclinical Models of Ischemic Stroke	Clinical/translational neuroscience

80	Louise Bomholtz	Establishing gene therapy for rare neurodevelopmental disorder using base editing	Cellular/molecular neurosciences Clinical/translational neuroscience
81	Lukas Braun	Formation of Abstract Neuronal Representations in the Medial Prefrontal Cortex	Systems neuroscience, networks & computational neurosciences
82	Joanne Falck	AAV-driven NR1 autoantibody expression recapitulates aspects of NMDAR encephalitis in vitro, in situ, and in vivo	Clinical/translational neuroscience
83	María Calvo Noriega	Spatiotemporal mapping of amyloid- β spread and related metabolic reprogramming in early Alzheimer's disease	Cellular/molecular neurosciences
84	Raquel Castillo Bihler	From Light to Silence: A Dual-System Optogenetic Approach for cGMP-Controlled Neuronal Inhibition	Cellular/molecular neurosciences
85	Hariprasath Ragupathy	Impact of neuroinflammation on Scn1a splicing and neuronal differentiation	Clinical/translational neuroscience
86	Ikhwan Bin Khalid	Path integration errors reflect biased execution, not only biased encoding	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
87	Moritz Boll	Correcting aberrant splicing of UNC13A as a Treatment of ALS	Cellular/molecular neurosciences
89	Bruno Javier Zepeda Rojas	Differential distribution of cell-free DNA in Alzheimer's Disease: Perspectives from Biofluid Samples	Cellular/molecular neurosciences Clinical/translational neuroscience

90	Indigo Brakus	Establishment of embryonic zebrafish neurospheres as a novel model for developmental neurotoxicity testing	
91	Harishny Sarma	Humanization of a neurosphere model of intrauterine growth restricted neurodevelopment	Cellular/molecular neurosciences
92	Öykü Okur	High-density multi-region recordings uncover motor and non-motor related modulation of beta and gamma oscillations during goal-directed reaching in mice	Systems neuroscience, networks & computational neurosciences
93	James Gowman	Slow AMPA receptors in Human Cortex	Cellular/molecular neurosciences
94	Shengyuan Cai	Dissecting Contributions To Shared Subspaces In Multi- Regional Neuronal Population Activity During Goal-Directed Reaching	Systems neuroscience, networks & computational neurosciences
95	Carla Kirschbaum	Following lipid transfer in cellular signaling using native and crosslinking mass spectrometry	Cellular/molecular neurosciences
96	Johanna Perschthaler	The Refinement Reference Center - Improving Laboratory Mouse Health and Welfare through Extended Housing Systems	
97	Maria Kowald	UNC13A as a determinant of synaptic dysfunction in neurodevelopmental and neurodegenerative disease	Cellular/molecular neurosciences Clinical/translational neuroscience
98	Eleni Tapp	Arf6 regulation of synaptic transmission	Cellular/molecular neurosciences

99	Uchralt Temuulen	Effect of Vascular Lesion Preprocessing on BIANCA-based White Matter Hyperintensity Segmentation	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
100	Ivanna Kupryianchyk-Schultz	Deciphering the temporal and cell-type specific expression and function of disease-associated SYNGAP1 gene isoforms and their contribution to disease	Cellular/molecular neurosciences
101	Virginia Hehlert	Digital Neurotherapy: Potentials of VR, AI and other Technologies for Rehabilitation and Quality of Life	
103	Maria Fernanda Rodriguez Salazar	Beyond the Brain: Uncovering the Neuroimmune & Metabolic Substrate of Autism and ADHD	Cellular/molecular neurosciences
104	Berta Jiménez-Alfaro Hacha	Neuronal dysfunction in ATRX-knockout mature CA1 hippocampal neurons is associated with large-scale chromatin rewiring	Cellular/molecular neurosciences
105	Annika Fischer	Investigating Prenatal Listeria-Induced Neurodevelopmental Disturbance in a Human iPSC Neurosphere Model	Cellular/molecular neurosciences
107	Sridhar Jagannathan	Mechanisms of learned helplessness in fruit flies	Systems neuroscience, networks & computational neurosciences
108	Haiyang Jing	Dissect neuronal mechanisms of resilience building	Cellular/molecular neurosciences
109	Zhoan Mashhour	The role of USP18 as a regulator of type I interferon signaling and ISGylation in neuronal cells	Cellular/molecular neurosciences

110	Edna Weiß	Dynamic Remodeling of the Hippocampal Niche in a Model of Viral Encephalitis-induced Seizures	Clinical/translational neuroscience
112	Lison Guillaume	Modeling the blood-brain-barrier in a transwell-organoid model	Clinical/translational neuroscience
114	Yunyou Tang	Neurotransmitter-Specific Network Disruptions in Post-Stroke Cognitive Impairment: Cross-Validation Between DEMDAS and INSPIRE-TMS Cohorts	Clinical/translational neuroscience
115	Elfin Demirtaş	Persistent Disorder of Consciousness After Surgical Evacuation of Traumatic Subdural Hematoma: A Possible Network Disconnection Mechanism	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
116	Lukasz Radzinski	Variability of human neocortical synaptic transmission revealed by noninvasive neuromagnetic field records of somatosensory evoked population spikes	Systems neuroscience, networks & computational neurosciences
117	Rick Cornell Hellmann	Leukocyte Populations and their Changes in Neurotransmitter Receptors and Cytokine (TNF- α) after Contusion Spinal Cord Injury in male Lewis Rats	Cellular/molecular neurosciences
120	Wiebke Hofmann, Ines Pont Sanchis, Siyang Xie, Lea Güntner, Radoslaw Cichy, Paul Sauseng, Bernhard Spitzer, Daniel Senkowski	Visual Working Memory Representations in Patients with Schizophrenia	Clinical/translational neuroscience
121	Janice Ngiam	Predicting cognitive decline using a large harmonized dataset	Clinical/translational neuroscience

122	Archili Sakevarashvili	Computational Insights into Diurnal Modulation and Paradoxical Calcium Effects on Activity of Drosophila R5 Neurons	Systems neuroscience, networks & computational neurosciences
123	Hoda Komeili	Interpretable EEG Biomarkers of Schizophrenia Using Multimodal Feature Analysis and Explainable Machine Learning	Systems neuroscience, networks & computational neurosciences Clinical/translational neuroscience
125	Daniil Kachkin	Brain organoid model of evolutionary aspects of amyloid-associated disorders	Cellular/molecular neurosciences
126	Judit Ozsvar	Investigating Distinct Modes of Dopamine Release in Midbrain Cultures	Cellular/molecular neurosciences
127	Anne Hauke	The role of serotonin in mitochondrial adaptations and feeding behaviour	Cellular/molecular neurosciences
128	Pia Kahnau	Behavioral and Neurological Characterization of Wildling Mice	
129	Malgorzata Lubas	RIM-Binding Protein is a bidirectional organizer of the presynaptic active zone	Cellular/molecular neurosciences
131	Matias Mugnaini	Social play bouts synchronize midbrain activity in the delta band	Systems neuroscience, networks & computational neurosciences
132	Hanan Kdouh	Diverse Function of Cholesterol in Glutamatergic and GABAergic Neurons	Cellular/molecular neurosciences
133	Dimitra Ranti	ATM kinase regulates core autophagy proteins at the synapse	Cellular/molecular neurosciences
135	Julia Ladenbauer	Enhancing slow-wave sleep via non-invasive brain stimulation modulates brain-to-blood clearance of Alzheimer's disease biomarkers	Clinical/translational neuroscience

136	Dragana Ilic	Molecular and functional determinants of the neuromuscular junction in health and disease	Cellular/molecular neurosciences
138	Gözdem Karapinar Kapucu	Investigating ORP2 - Munc13-1 interplay at neuronal lipid droplets	Cellular/molecular neurosciences
139	Yawen Bai	Laminar encoding of temperature in the mouse posterior insular cortex	Systems neuroscience, networks & computational neurosciences
140	Michelle Franka	Detection of Complexity Drops in BOLD signals in altered states of consciousness	Clinical/translational neuroscience
141	Markus Becker	Literature revision and assessment of 3D in vitro models for preclinical efficacy testing of new drugs against neuroblastoma	Clinical/translational neuroscience
142	Robert Hülse	The role of Drebrin in cerebrovascular functioning	Cellular/molecular neurosciences
144	Sudeeksha Tyagi	Molecular and synaptic adaptation of GABAergic neurons to glutamatergic partners	Cellular/molecular neurosciences Systems neuroscience, networks & computational neurosciences
145	Domonkos Nagy-Herczeg	The role of PLPPR3 in cytoskeleton-condensate-membrane interactions	Cellular/molecular neurosciences
147	Christoph Klose	The enteric nervous system regulates epithelial differentiation and intestinal homeostasis via secretion of Vasoactive Intestinal Peptide	