

Poster Session I



October 5, 6:15 – 7:30 p.m.

Damlasu Altınöz

Lymphatic Vessels Accompanying Dorsal and Basal Dural Sinuses in the Human Brain

poster no.: **21**

Poornima Anantha Subramanian

Functional characterization of the disease-associated scaffold protein CNKSR2/CNK2

poster no.: **8**

Alexandra Bannach-Brown

Selfish Reasons to make your animal research synthesizable

poster no.: **9**

Julia Bär

Presynaptic plasticity at hippocampal mossy-fiber:CA3 synapses relies on non-enzymatic functions of a protease ADAM10

poster no.: **23**

Clemence Bergerot

Moderate confirmation bias enhances collective decision-making

poster no.: **17**

Jelena Brasanac

Immune signature of multiple sclerosis-associated depression

poster no.: **30**

Guido Caccialupi

Decoding Parametric Grip-Force Representation in Working Memory during planning of Prospective Motor-Actions

poster no.: **25**

Shir Genzer

Sensorimotor simulation via mu rhythm suppression is associated with greater empathic accuracy

poster no.: **11**

Johannes Veith

Phase hearing: the mechanism of underwater directional hearing in Danionella

poster no.: **6**

Tim Gruber

Epigenetic reprogramming of reward learning in the mesolimbic dopamine system to curb binge eating.

poster no.: **19**

Nathalie Hertrich

Trafficking of Golgi Satellites in Hippocampal Neurites

poster no.: **31**

Lois Hew

In vitro myelination of iPSC-derived sensory neurons via co-culture with iPSC-derived Schwann cells

poster no.: **14**

Robert Huelse

The Role of Drebrin in Blood Brain Barrier Functioning

poster no.: **5**

Sein Jeung

EEG high gamma band activity is modulated by heading during simulated motion

poster no.: **3**

Jeremy Krohn

Developing an astrocytic calcium imaging pipeline for compound screening

poster no.: **29**

Malgorzata Lubas

The macro determinants of synaptic transmission

poster no.: **20**

Smilla Maierhof

Mechanisms of neurodegeneration and -protection in iPSC-derived sensory neurons in paclitaxel-mediated neurotoxicity

poster no.: **2**

Monia Masalha

The Allostatic roots of Social Bonding

poster no.: **28**

Stefano Masserini

Heterogeneity of recurrent excitation shapes sharp wave dynamics

poster no.: **12**

Aasha Meenakshisundaram

Role of murine cortical Layer 6b in the regulation of memory.

poster no.: **13**

Verjina Metodieva

Homeostatic changes in intrinsic and synaptic properties of human cortical pyramidal neurons after elevated activity

poster no.: **27**

Maria Mikhailenko

Investigating cortico-subthalamic coupling with time-resolved spectral parametrization in patients with Parkinson's disease

poster no.: **4**

Domonkos Nagy-Herczeg

Analysing cytoskeleton-condensate-membrane interactions in vitro and in vivo

poster no.: **34**

Fiona O'Donovan

The association of maternal cortisol concentration during pregnancy and offspring white matter microstructure in one-month old neonates

poster no.: **26**

Elisa Pedersen

Molecular determinants of neocortical development

poster no.: **1**

Rafaela Ines Pedro da Silva

Dissecting the role of actin and its binding proteins at the dendritic spine in disease

poster no.: **18**

Torsten Rackoll

The effects of metabolic diseases on stroke outcome in preclinical stroke

poster no.: **15**

Roshan Prakash Rane

Online deep learning to predict psychological behaviors from brain MRI

poster no.: **33**

Firat Sansal

Monochromatic Ultra-Slow (~ 0.1 Hz) Oscillations in EEG: topography, and interparticipant variations

poster no.: **22**

Malav Shah

Macro-anatomy of Elephant cortex using MRI

poster no.: **16**

Can Hicabi Tartanoglu

SynDB: Federated connectomics database

poster no.: **32**

Sofija Vojvodic

Sex Differences in Ischaemic Stroke: Leveraging Systematic Review for Enhanced Translational Insights

poster no.: **10**

Judith von Sivers

Assessing the interplay between activity-dependent calcium influx and the regulation of the Ras/ERK pathway in neurons

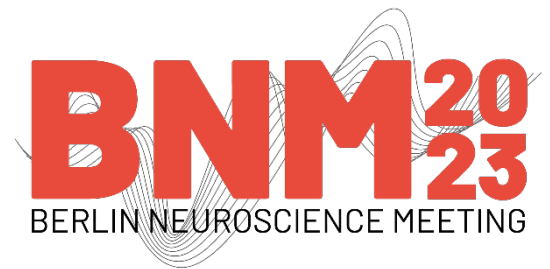
poster no.: **24**

Suong Welp

Auditory Attenuation in the Rubber Voice Illusion

poster no.: **7**

Poster Session II



October 6, 2:15 – 3:15 p.m.

René Bernard

The EQIPD system - how to ensure research quality in the preclinical neuroscience research setting

poster no.: **3**

Lídia Cantacorps Centellas

Long-lasting metabolic effects of maternal diabetes and metformin exposure in offspring mice

poster no.: **8**

Robert Chesters

Fasting induced activity changes in melanocortin-3 receptor (MC3R) neurons of the paraventricular thalamus (PVT)

poster no.: **24**

Verity Cook

Social context of acoustic communication in the small teleost Danionella

poster no.: **19**

Norman Drzeniek

mRNA-nanoparticles to probe and manipulate neural function

poster no.: **7**

Laura Göschel

Associations between blood-based biomarkers and other outcomes related to Alzheimer's disease

poster no.: **17**

Antonia Groneberg

Ontogeny of acoustic communication in danionella cerebrum

poster no.: **16**

Taanisha Gupta

Dissecting the pathophysiology underlying the developmental defects associated with SynGAP syndrome

poster no.: **9**

Daniela Hacker

Microtubule-anchoring to excitatory synapses of PV neurons

poster no.: **22**

Joerg Henninger

Whole-brain oblique plane microscopy in Danionella cerebrum reveals social sound-specific processing across the auditory pathway

poster no.: **20**

Marie-Louise Herzog

Mechanisms of cardiac dysfunction after ischemic stroke – the Stroke-Heart Syndrome

poster no.: **31**

Burce Kabaoglu

Electrical stimulation of spinal circuits for gait recovery in Parkinson's disease

poster no.: **13**

Mykola Kadobianskyi

*Adult brain atlas of *Danio rerio* cerebrum for whole-brain molecular and functional imaging*

poster no.: **14**

Hassane Kissane

Exploring Eye Movement Patterns in Processing Different Verb-particle Combinations during Language Reading

poster no.: **15**

Daniil Markov

On the path to whole-brain mapping of neuronal activity changes during associative learning

poster no.: **27**

Niklas Meyer

Optogenetic control of subcellular Calcium-signaling

poster no.: **29**

Dejana Mitrovic

Altered Spatial Navigation and Network Computations in Early Alzheimer's Disease

poster no.: **23**

Marta Orlando

Role of Synapsin in hippocampal mossy fiber plasticity

poster no.: **3**

Rina Patel

Dysfunctional Mitochondria of PV+ Interneurons Impairs CA1 Function

poster no.: **30**

Yangfan Peng

Global neuronal dynamics predict goal approach

poster no.: **1**

Alice Podestà

Role of 1-naphthyl acetyl spermine (NASPM) as antiseizure medication compound in an ex vivo model of human brain neocortex.

poster no.: **11**

Fritz Rathjen

Is the Ig cell adhesion molecule CAR implicated in the Down Syndrome?

poster no.: **26**

Eva Maria Robles Hernandez

Evaluation of CA3 place cells remapping in APP/PS1 model mouse of Alzheimer's Disease

poster no.: **12**

Shimon Jude Swer

Engrams involved in learning a spatial memory task

poster no.: **6**

Nilakshi Vaidya

Neurocognitive Analysis of Low-level Arsenic Exposure and Executive Function Mediated by Brain Anomalies

poster no.: **33**

Ben Gerhardt

*MicroCT based analysis of the visuo-motor system in the camouflaging cuttlefish *Sepia officinalis**

poster no.: **18**

Selma Yagoub

Effect of an acute HFD exposure on AgRP projections

poster no.: **28**

Syeda Anchel Zahra

Bile acid expression across development within the gut-brain axis

poster no.: **5**