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 neureodegeneration 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

Verjinia 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**
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 Danionella 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