

List of posters

Cellular and Molecular	
1	The role of endothelial FLRT2 in the regulation of cerebellar development Jin Jing, Johanna Vogenstahl, Marta Seggara, Amparo Acker Palmer
2	Ultrastructure of a Profuse Vesicle-Generating Organelle System in Astrocytes Josefin Worgul, Amin Derouiche
3	Investigating Neurological Deficits in MEIS2-Related Syndrome Using Mouse Embryonic Stem Cells Tamara Müller, Kiana Kafi Cheraghi, Shripriya Bhat, Ian J. Donaldson, Stefan Günther, Miguel Torres, Nicoletta Bobola, Dorothea Schulte
4	Early-Life Stress and the Blood-Brain Barrier Karishma Agarwal, Marta Segarra, Amparo Acker-Palmer
5	The angioneurin Flrt2 shapes retinal development and vision in zebrafish Euler, L., Kassel, L., Eschmann, P., van Impel, A., Schulte-Merker, S., Kirchmaier, BC., Acker-Palmer, A.
6	Modelling human neurodevelopment in vitro using stem cell-derived cerebral organoids Clara Dröll, Julia Schwarzpaul, Shivani Hariharan, Arina Vorobyeva, Julio C. Hechavarria, Andreas G. Chiocchetti, Denise Haslinger
7	Unveiling Gephyrin's Role in Endocytic Pathways and Vesicular Traffic in Neuronal and Non-Neuronal Cells Karina Schneider, Andrea Schlicksupp, Joachim Kirsch
8	A Chromosome-Scale Genome and Brain Cell Atlas of the Common Cuttlefish Sepia officinalis Simone Rencken, David Hain, Georgi Tushev, Elena Ciirdaeva, Oleg Simakov, Gilles Laurent
9	Regulation of the vascular properties in the Circumventricular organs F. Benz, R.F.V. Germano, J. Macas, S.Gunther, R. Figuriredo, S. Guerit, P. Winter, R.H. Adams, M.M.Taketo, B.Vanhollebeke, K. Plate, S. Liebner, S. Shapiguzov
10	Investigating Wnt/β-Catenin-Mediated Vessel Normalization on the Inflammatory Reaction in a GL261 Mouse Glioma Model Aesha Rao,Devarshi Gandhi, Jadranka Macas, Ilyas Nurlygaianov, Ilaria Ghio, Mark M. Taketo, Ralf H. Adams, Karl H. Plate, Kavi Devraj, Katharina Imkelle, Stefan Liebner
Diseases of the nervous system	
11	Advanced clustering reveals recovery patterns after stroke in the mouse model Aref Kalantari, Julia Klein, Carolin Hambrock, Michael Schroeter, Christian Grefkes, Gereon R. Fink, Markus Aswendt
12	Exploring glioblastoma through CpG site-specific methylation and transcription factor occupancy Kimia Kafi Cheraghi, Michel Mittelbronn, Karl H Plate, Joachim P Steinbach, Tanja Buhlmann, Ann-Christin Hau
13	FLRT2 regulates epithelial–mesenchymal transition in age-related macular degeneration Swati Srivastava, Vladislav Rakultsev, Pedro Felipe Malacarne, Piotr Kobialka, Flavia Rezende, Marta Segarra, Amparo Acker-Palmer
14	Validating Antidepressant TMS Targets Using Network Control Theory H. Staub, M. Gruber, B. Shariatpa, K. Ahrens, P. Rehm, S. Timm, S. Fischer, A. Buschhüter, T. Hahn, T. Kirchner, U. Dannlowski, A. Reif, H. Jamalabadi, J. Repple

List of posters

15	The transdiagnostic relevance of brain networks identified through network mapping in psychiatry Marius Gruber, Tilo Kircher, Udo Dannlowski, Andrew Zalesky, Robin Cash, Jonathan Repple
16	Analysis of a library of highly specific inhibitors of protein kinases in glioblastoma (GB) under conditions of the tumor microenvironment Julia Schwarzpaul, Tanja Buhlmann, Susanne Müller-Knapp, Thomas Broggini, Marcus Czabanka, Katharina Weber, Karl H. Plate, Joachim P. Steinbach, Ann-Christin Hau, Anna-Luisa Luger
17	NLP-based evaluation of the Wender-Reimherr-Interview Christopher Landau, Aishik Mandal, Iryna Gurevych, Andreas Reif, Oliver Grimm
18	Activating the Body–Brain Axis: Auricular Vagus Nerve Stimulation Facilitates Learning from Reward in Health and Depression Carmen Uckermark, Felix Molter, Carmen Schiweck, Konrad Meyer, Mareike Aichholzer, Aicha Bouzouina, Paul Forbes, Micah G. Allen, Carina R. Oehr, Christine Reif-Leonhard, Jonathan Repple, Andreas Reif, Soyoung Q Park, Sharmili Edwin Thanarajah
19	ML-based molecular burden scores: Predicting treatment outcome based on the genetic variation of underlying mechanisms Simeon Platte, Afsheen Kumar, RAISE-GENIC Consortium, Andreas G. Chiocchetti
20	The Parkinson's disease associated Rab GTPase Rab7L1/GLO-1 regulates the clearance of damaged mitochondria and apoptotic cells Stefan Eimer, Julius Adam, Regine Häfner, Florian Steinberg
21	Probucol increases LRP1 in perivascular fibroblasts and improves vascular amyloid-beta clearance in a model of Alzheimer's Disease P.Breunig, B. Aliraj, S. Sethumadhavan, S. Guenther, K. Khrievono, Z. Mahmoud, A. Weigert, T.M. Underhill, J.K. Hefendehl
22	Ischemic stroke triggers long term phenotypic alterations to brain stromal progenitor cells Michael Candlish, Peter Breunig, Işıl Özdemir, Christina Sauerland, Stefan Günther, Iman Ghasemi, Katrin Schäfer, Mario Looso, Jasmin K. Hefendehl
23	Soluble Epoxide Hydrolase upregulation in Alzheimer's disease promotes blood-brain barrier dysfunction Murphy DeMeglio, Susanne Hille, Jiong Hu, Oliver Muller, Ingrid Fleming, Jasmin Hefendehl
24	Targeting alcohol craving via virtual reality and transcranial magnetic stimulation: a study on neurophysiological markers and brain connectivity F. Timm, M. Gruber, K.F. Ahrens, H. Staub, P. Rehm, S. Fischer, M. Schmidt-Kassow, M. Luderer, A. Reif, J. Repple
Sensory and Motor Systems	
25	Oscillatory Phase Alignment In Auditory Perception: Evidence from Behavioral and Physiological Measures Hassan Al-Turany, Julio C. Hechavarria, Yuranny Cabral-Calderin
26	Effects of monetary reward and perceptual salience on sensory processing: A combined pupillometry and EEG study Anna Katharina Müller, Christina Luckhardt, Christine M. Freitag, Nico Bast
Cognition and Behaviour	
27	Linking Relational Representations to Human Intelligence Rebekka Tenderra and Stephanie Theves

List of posters

28	Modeling individual mental representations underlying similarity judgments Peter Donhauser, Denise Klein
29	Gaze patterns and reinstatement during naturalistic viewing and memory retrieval in children, adults and AI models Iryna Schommartz, Bhavin Choksi Gemma Roig, Yee Lee Shing.
30	Neural correlates of feature-feature bindings in working memory Anna Zier, Philipp Deutsch, Jochen Kaiser, Christoph Bledowski
31	Manipulation effect - pupil responses during isometric handgrip task in ASD and other mental health conditions Paula Neubauer
32	An experimental Investigation of Esketamine's Effects on Dynamic Psychological and Neurobiological Networks in Healthy Participants Lorina Zapf, Andreas Reif, Oliver Grimm
33	LOCUS-MENTAL: Validating a concise test battery of locus coeruleus-norepinephrine (LC-NE) functioning based on pupillometric measures during passive tasks in preschool children Iskra Todorova, Nico Bast
34	Decoding Voice Identity in Auditory Working Memory: an MEG Study Melek Öyküm Yalçın, Cora Fischer, Philipp Deutsch, Pascal Belin, Christoph Bledowski, Jochen Kaiser
35	Perceptual and semantic maps in individual humans share structural features that predict creative abilities Jonas Elpelt, Johannes P.-H. Seiler, Aida Ghobadi, Matthias Kaschube, Simon Rumpel
36	Metabolism meets mind: Intranasal insulin modulates facial emotion recognition Aicha Bouzouina, Jaehyun Lee, Tong Zhao, Vivi Schack, Rebecca Jacoby, Carmen Uckermark, Mareike Aichholzer, Carmen Schiweck, Hannah Sochor, Shahir Dastagir, Anne Hellmann, Ruth Hanssen, Silke Matura, Jonathan Repple, Andreas Reif, Sharmili Edwin Thanarajah
Computational Neuroscience	
37	The dual nature of synaptic homeostasis: Interaction between fast and slow processes Petros E. Vlachos, Jochen Triesch
38	Decoding memory-guided predictions from the medial temporal lobe and visual cortex using 7T fMRI Dingrong Guo, Javier Ortiz-Tudela, Yee Lee Shing
39	Computational modelling of dentate granule cells suggests Pareto optimal trade-off between pattern separation and energy efficiency (economy) Martin Mittag, Alexander Bird, Lucas Mongiat, Hermann Cuntz, Peter Jedlicka
40	Genetic Risk-Aware Embeddings of Whole-Genome Data for Multimodal Applications Moritz Sturm, Andreas Chiocchetti
41	Degeneracy in Neuronal energy-information trade-off Philip Sommer, Alexander D. Bird, Zahid Padamsey, Fleur Zeldenrust, Peter Jedlicka, Jochen Triesch
42	Universal coarse-to-fine transition across the developing neocortex Lorenzo Butti, Deyue Kong, Nathaniel Powell, Bettina Hein, Jonas Elpelt, Haleigh Mulholland, Gordon Smith, Matthias Kaschube

List of posters

43	Low-dimensional representations early in development facilitate receptive field formation Deyue Kong, Markos Genios, Gordon Smith, Matthias Kaschube
44	Selective amplification of recurrent subnetworks in the developing visual cortex Haleigh N. Mulholland, Sigrid Trägenap, Matthias Kaschube, Gordon Smith