

No	Title of poster	Authors	Affiliation	Category
1	Hox genes in the pre-specification of sympathetic and parasympathetic ciliary neuron progenitors	Huber L, Stubbusch J, Ferdin M, Rohrer H	MPI for Brain Research	develop.
2	The role of the transcription factors AP-2alpha and AP-2beta in sympathetic neuron generation	Schmidt M, Johnson JE, Williams T, Schütz G, Binder E, Rohrer H	MPI for Brain Research	develop.
3	Overexpression of human A53T-alpha-synuclein affects dopamine signaling and synaptic plasticity in the striatum of old mice	Kurz A, Double K, Gispert S, Lastres-Becker I, Tozzi A, Bockhart V, Bonin M, Garcia-Arencibia M, Fernandez-Ruiz J, Gerlach M, Wüllner U, Lüddens H, Calabresi P, Auburger G	Molecular Neurogenetics	disease
4	Proteome analysis suggests altered glycolysis and mitochondrial dysfunction in the brain of alpha-synuclein knockout mice	Kurz A, Schmidt O, Vöcker E, Gispert S, Meyer HE, Auburger G, Marcus K	Molecular Neurogenetics	disease
5	A model of Spinocerebellar Ataxia Type 2 (SCA2): The (CAG)102-Sca1 knock-in mouse	Damrath E, Gispert S, Nonis FD, Lastres-Becker I, Nowock J, Auburger G	Molecular Neurogenetics	disease
6	Regulation of the brain isoprenoids farnesyl- and geranylgeranylpyrophosphate is altered in Alzheimer patients	Eckert GP, Hooff GP, Strandjord DM, Igbabboa U, Volmer DA, Müller WE, Wood WG	Institute of pharmacology	disease
7	Mitochondrial dysfunction in lymphocytes - a potential biomarker for Alzheimer disease	Leuner K, Schulz K, Schütt T, Kratsch T, Pantel J, Müller WE	Interdisciplinary Pharmacology	disease
8	oligomeric Amyloid β reduces neuritic outgrowth	Kurz C, Leuner K, Müller WE	Interdisciplinary Pharmacology	disease
9	The metabolic enhancer piracetam ameliorates amyloid β induced impairment of neuritic outgrowth	Müller WE, Kurz C, Ungerer I, Lipka U, Kirr S, Eckert A, Leuner K	Interdisciplinary Pharmacology	disease
10	Determining cues for microglial migration	Rappert A	Clinical neuratomy	disease
11	Impact of mevalonate derived farnesyl- and geranylgeranyl-pyrophosphate on Ras-prenylation in glioma cells	Hooff GP, Weissenberger J, Kögel D, Eckert GP	Institute of pharmacology	disease
12	Pan-Bcl-2 inhibitors induce autophagic cell death in malignant glioma	Voss V, Senft C, Dützmann S, Hetschko H, Steinbach J, Seifert V, Kögel D	Experimental Neurosurgery	disease
13	Inhibition of Tissue Factor signaling limits proliferation, migration and invasion in low-grade and high-grade glioma cells	Gessler F, Voss V, Dützmann S, Seifert V, Gerlach R, Kögel D	Experimental Neurosurgery	disease
14	Dietary Curcumin attenuates glioma growth in an syngeneic mouse model through downregulation of STAT3 target genes	Priester M, Senft C, Polacin M, Bernreuther C, Glatzel M, Seifert V, Kögel D, Weissenberger J	Experimental Neurosurgery	disease

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15	Influence of different anesthetics on extracellular energy metabolites in the rodent brain: a microdialysis study	Horn T, Klein J	Pharmacology	disease
16	Benzthiazol-6-yl Ether Derivatives as Potent Dopamin D2/D3 Receptor Ligands	Schübler M, Weizel L, Kottke T, Stark H	Institute of Pharmaceutical Chemistry	disease
17	Novel Fluorinated Non-Imidazole Histamine h3 Receptor Antagonists of the Diamine Class	Isensee K, Sander K, Ligneau X, Camelin JC, Capet M, Schwartz JC, Stark H	Institute of Pharmaceutical Chemistry	disease
18	loss of p53 sensitizes glioma cells towards hypoxia via reduced SCO2 expression and impaired cellular respiration	Nordhammer C, Brucker D, Rieger J, Weller M, Steinbach J	Neurooncology	disease
19	Bevacizumab-induced diffusion-restricted lesions in malignant glioma patients	Rieger J, Bähr O, Müller K, Franz K, Steinbach J, Hattingen E	Neurooncology	disease
20	R-Flurbiprofen reduces neuropathic pain by normalization of endogenous cannabinoids	Bishay P, Schmidt H, Haeussler A, Tegeder I	Clinical pharmacology	disease
21	Behavioral Analysis of Pain in Rodents	Wijnvoord N, Tegeder I	Clinical pharmacology	disease
22	Recording of electrically evoked auditory brainstem responses after stimulation with biphasic, triphasic and precision triphasic pulses	Bahmer A, Polak M, Baumann U	Audiological Acoustics	plasticity
23	Comparison of Speech Intelligibility by Cochlear Implant Patients in a 'Multi-Source Noise Field'	Rader T, Baumann U, Fastl H	Audiological acoustics	plasticity
24	MEG activation pattern underlying auditory interactions in FM direction discrimination in humans	Stawowsky C, Wibrall M, Heinrich A, Altmann C, Kaiser J, Gaese B	Cell Biology and Neuroscience	plasticity
25	Tandem Affinity Purification of Synaptic Vesicles in C. elegans	Csintalan F, Füll Y, Gottschalk A	Biochemistry	plasticity
26	Achieving single-cell expression of Channelrhodopsin-2 using the cre-lox system and analyzing habituation in neural circuits inducing withdrawal behaviour	Schmitt C, Gottschalk A	Biochemistry	plasticity
27	Imaging Olfactory Learning in the Mushroom Body Lobes of the Honeybee	Haehnel M, Menzel R	Institut für Bienenkunde Oberursel	plasticity
28	Use of local anesthetics for localizing memory recall and information transfer after unilateral olfactory learning in the honeybee brain	Fischer J, Grünewald B	Institut für Bienenkunde Oberursel	plasticity
29	Ionic current modulations of mushroom body neurons in the honeybee: Cellular mechanisms of olfactory learning?	Ziegler-Himmelreich S, Grünewald B	Institut für Bienenkunde Oberursel	plasticity

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30	Auditory enhancement effects: Late auditory responses to a second tone are modulated by the length of the interstimulus interval	Heinemann L, Kaiser J, Rahm B, Altmann C	Medical Psychology	plasticity
31	Acoustic Startle Response in the Wild-type and Domesticated Mongolian Gerbil	Gaese B, Nowotny M, Pilz PKD	Cell Biology and Neuroscience	plasticity
32	Sound induced vibration pattern on the tympanic membranes of the bushcricket <i>Mecopoda elongata</i>	Nowotny M, Möckel D, Weber M, Kössl M	Cell Biology and Neuroscience	plasticity
33	Hyperforin mediated neuronal outgrowth-downstream targets of TRPC6	Heiser JH, Leuner K, Müller WE	Interdisciplinary Pharmacology	plasticity
34	The TRPC6 channel activator hyperforin increases dendritic spine density and activates a membrane current (I _{hyp}) in hippocampal CA1 pyramidal neurons	Leuner K, Amaral M, Rudolph S, Calfa G, Pozzo-Miller L	Interdisciplinary Pharmacology	plasticity
35	Models of time delays in the gamma cycle should operate on the level of individual neurons	Wang P, Havenith M, Best M, Gruetzner C, Singer W, Uhlhaas P, Nikolic D	MPI for Brain Research and FIAS	plasticity
36	Immediate transfer of synesthesia to a novel inducer	Mroczko A, Metzinger T, Singer W, Nikolic D	MPI for Brain Research	plasticity
37	Complex/Simple Properties of Receptive Fields and Gamma Oscillation	Kekanovic, Havenith, Singer, Nikolic	MPI for Brain Research	plasticity
38	Spectral tuning and retinal distribution of photoreceptors in the South American marsupial <i>Thylamys elegans</i>	Peichl L, Bozinovic F, Vielma A, Arrese CA, Hunt DM, Palacios AG	MPI for Brain Research	plasticity
39	A model for the joint evaluation of burstiness and regularity in oscillatory spike trains	Bingmer M, Schiemann J, Roeper J, Schneider G	Institute of Mathematics	plasticity
40	Testing stability of individual differences in visual interhemispheric integration and relating it to brain structure and function	Genç E, Bergmann J, Singer W, Kohler A	MPI for Brain Research	plasticity
41	Hysteresis and adaptation in multistable perception	Leitner F, Schwiedrzik CM, Melloni L, Singer W	MPI for Brain Research	plasticity
42	When do you detect the A? Perception in Grapheme-Color-Synesthesia on Different Visibility Levels	Leugner AM, Haenschel C, Mueller N, Singer W, Melloni L	MPI for Brain Research	plasticity
43	A recurrent network acquires working memory properties by reward-dependent STDP	Savin C, Triesch J	FIAS	plasticity
44	Characterization of SV31, a novel synaptic vesicle membrane protein and putative transporter	Barth J, Burré J, Beckhaus T, Karas M, Zimmermann H, Volkmandt W	Cell Biology and Neuroscience	plasticity

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45	Role of PER1 in melatonin synthesis in the mouse pineal gland	Christ E, Korf HW, von Gall C	Experimental Neurobiology	plasticity
46	Impact of melatonin and molecular clock-work components on the expression of thyrotropin beta chain (Tshb) and the Tsh receptor in the mouse pars tuberalis	Unfried C, Ansari N, Yasuo S, Korf HW, von Gall C	Experimental Neurobiology	plasticity
47	Clock gene expression in the mouse hippocampus is altered in Per1 ^{-/-} mice	Jilg, A, Lesny S, Dehghani F, Stehle JH	Cellular and molecular anatomy	plasticity
48	Timing-specific associative plasticity between supplementary motor area and primary motor cortex in humans	Müller-Dahlhaus F, Arai N, Bliem B, Lu MK, Ziemann U	Department of Neurology	plasticity
49	Intracellular signalling and cellular remodeling induced by Epidermal Growth Factor in the adult neurogenic subventricular zone in vivo	Gamepe K, Brill M, Momma S, Messemer N, Götz M, Zimmermann H	Cell Biology and Neuroscience	plasticity
50	Time-lapse imaging of mouse granule cells reveals new rules for denervation-induced changes in spine density	Vlachos A, Bas Orth C, Winkels R, Helias M, Jedlicka P, Roeper J, Schneider G, Deller T	Clinical Neuroanatomy	regenerat.
51	Estimation of additive independent components via coupled subspace decomposition: Application to evoked activity in single channel data recorded in vivo	Turi G, Vuong TA, Munk MH, Gotthardt S, Singer W, Wibral M	MPI for Brain Research	theoretic.
52	Identification of group-specific and task-related brain dynamics by common independent component analysis of multichannel EEG/MEG and ECoG recordings	Turi G, Schalk G, Pei X, Singer W, Leuthardt EC, Haenschel C, Wibral M	MPI for Brain Research	theoretic.
53	Toward a Goal-Directed Construction of State Spaces	Saeb S, Weber C	FIAS	theoretic.
54	A Reinforcement learning model develops causal inference and cue integration abilities	Weisswange TH, Rothkopf CA, Rodemann T, Triesch J	FIAS	theoretic.
55	Learning of Lateral Connections for Representational Invariant Recognition	Keck C, Bouecke J, Lücke J	FIAS	theoretic.
56	Applications of Non-linear Component Extraction to Spectrogram Representations of Auditory Data	Bornschein J, Lücke J	FIAS	theoretic.
57	Cortical Networks at work: Using transfer entropy on virtual depth electrode signals from MEG to quantify effective connectivity in perceptual closure	Wibral M, Gruetzner C, Uhlhaas P, Lindner M, Vicente R	BIC Frankfurt	theoretic.