

Symposium „Regeneration and reorganization in the injured nervous system” 6-7 March 2009

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Nr	Title of poster	Authors	Affiliation	Category
1	Effect of nucleotides on neuronal differentiation and dopaminergic specification of mouse fetal neural precursor cells	Delic J, Stanke M, Riber R, Zimmermann H	Cell Biology and Neuroscience Frankfurt	development
2	A retroviral approach to address the role of nucleotide signaling in the control of differentiation in adult neural stem cell cultures	Stanke M, Albuquerque B, Leib C, Ritter M, Zimmermann H	Cell Biology and Neuroscience Frankfurt	development
3	EphrinB ligands are coreceptors of Reelin signaling	Senturk A, Acker-Palmer A	Cell Biology and Neuroscience Frankfurt	development
4	A Position Invariant Recognition System in a Dynamic Routing Circuit	Sato YD, Jitsev J, Wolfrum P, von der Malsburg C	FIAS Frankfurt	development
5	The bHLH transcription factor Hand2 is essential for the maintenance of noradrenergic properties in differentiated sympathetic neurons	Schmidt M, Lin S, Pape M, Ernsberger U, Stanke M, Kobayashi K, Howard MJ, Rohrer H	MPI for Brain Research Frankfurt	development
6	Characterization of neurosphere-generating cells in the developing peripheral nervous system	Binder E, Rohrer H	MPI for Brain Research Frankfurt	development
7	Neuroblastoma Phox2b variants stimulate proliferation and de-differentiation of immature sympathetic neurons	Reiff T, Tsarovina K, Rohrer H	MPI for Brain Research Frankfurt	development
8	Quantification of endogenous farnesyl-(FPP) and geranylgeranylpyrophosphate (GGPP) in the human brain - possible implications for Alzheimer Disease	Hooff GP, Volmer DA, Wood WG, Müller WE, Eckert GP	Pharmacology Frankfurt	development
9	Role of purinergic signalling in the development of fibre projections?	Heine C, Scherf N, Kuska JP, Braumann DU, Franke H	Rudolf Boehm Institute of Pharmacology and Toxicology Leipzig	development
10	The Neuroanatomists' dirty little secret	Krueger M, Prodinge C, Mahlo J, Bechmann I	Clinical Neuroanatomy Frankfurt	disease
11	Consistent and severe affection of the central somatosensory system in spinocerebellar ataxia type 2 and type 3	Rüb U, Brunt ER, Schöls L, Al de Vos R, Deller T	Clinical Neuroanatomy Frankfurt	disease
12	CD11c+ cells transform from an intraneural precursor and are recruited from blood to brain	Prodinge C, Schiefenhövel F, Laman JD, Becher B, Bechmann I	Clinical Neuroanatomy Frankfurt	disease
13	Disturbed sleep wake rhythms in the Park5 mutant Gad mouse	Plenzig S, Pfeffer M, Gispert-Sanchez S, Korf HW, von Gall C	Experimental Neurobiology Frankfurt	disease

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14	Palmitoylethanolamide (PEA) protects dentate gyrus granule cells in excitotoxically lesioned organotypic hippocampal slice cultures (OHSC) via peroxisome proliferator-activated receptor (PPAR)-alpha	Koch M, Kreutz S, Böttger C, Ghadban C, Korf HW, Dehghani F	Experimental Neurobiology Frankfurt	disease
15	Enhanced generation of sAAPPalpha is required for the neuroprotective effects of the omega 3 fatty acid DHA	Böttner S, Hartig U, Copanaki E, Peters I, Müller WE, Eckert GP, Kögel D	Experimental Neurosurgery Frankfurt	disease
16	Specific protection from proteasomal stress-triggered cell death by endogenous PINK1	Klinkenberg M, Thurow N, Gispert Sanchez S, Ricciardi F, Eich F, Auburger G, Kögel D	Experimental Neurosurgery Frankfurt	disease
17	Antagonism of mTOR selectively mediates metabolic effects of EGFR inhibition and protects human malignant glioma cells from hypoxia-induced cell death	Ronellenfisch MW, Brucker DP, Burger MC, Wolking S, Tritschler F, Rieger J, Wick W, Weller M, Steinbach JP	Neurooncology Frankfurt	disease
18	The Antiphospholipid Syndrome and the CNS - New Insights	Frauenknecht K, Theis S, von Landenberg P, Bargiotas P, Schwaninger M, Sommer C	Neuropathology Mainz	disease
19	Disease end-stage-related action potential broadening due to a repolarisation deficit selectively occurs in vulnerable brainstem motoneurons in a mouse model of ALS	Fuchs A, Schuetz B, Roeper J	Neurophysiology Frankfurt	disease
20	Protein Aggregates in ALS - Purification, Composition and Detection	Kaya AM, Tenzer S, Schild H, Sommer C, Behl C, Clement A	Physiological Chemistry and Pathobiochemistry Mainz	disease
21	Certain tricyclic phenothiazine structures are neuroprotective in Caenorhabditis elegans	Mocko JB, Kern A, Moosmann B, Behl C, Hajieva P	Physiological Chemistry and Pathobiochemistry Mainz	disease
22	Axonal spines in Purkinje cells of ankyrinG-deficient mice	Sobotzik JM, Del Turco D, Politi C, Sie J, Bennett V, Deller T, Schultz C	Anatomy and Cell Biology Giessen	plasticity
23	The proteome of the presynaptic active zone: from docked synaptic vesicles to adhesion molecules and maxi-channels	Volkandt W, Morciano M, Beckhaus T, Karas M, Zimmermann H	Cell Biology and Neuroscience Frankfurt	plasticity
24	Characterization of SV31, a novel synaptic vesicle membrane protein and putative transporter	Barth J, Burré J, Beckhaus T, Karas M, Zimmermann H, Volkandt W	Cell Biology and Neuroscience Frankfurt	plasticity
25	Purinergic signalling in adult and fetal neural stem cells	Grimm I, Messemer N, Delic J, Stanke M, Zimmermann H	Cell Biology and Neuroscience Frankfurt	plasticity

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26	GRIP1 function in dendritogenesis	Geiger J, Acker-Palmer A	Cell Biology and Neuroscience Frankfurt	plasticity
27	Synaptopodin regulates plasticity in dendritic spines of cultured hippocampal neurons	Vlachos A, Korkotian E, Schonfeld E, Copanaki E, Deller T, Segal M	Clinical Neuroanatomy Frankfurt	plasticity
27	Increased excitation/inhibition ratio and loss of somatic GABA-A receptors in the dentate gyrus of neuroligin-2-deficient mice in vivo	Jedlicka P, Hoon M, Papadopoulos T, Betz H, Brose N, Deller T, Varoqueaux F, Schwarzacher SW	Clinical Neuroanatomy Frankfurt	plasticity
29	Altered GABAergic inhibition and impaired induction of long-term potentiation in the dentate gyrus of collybistin-deficient mice in vivo	Jedlicka P, Papadopoulos T, Deller T, Betz H, Schwarzacher SW	Clinical Neuroanatomy Frankfurt	plasticity
30	Melatonin transmits photoperiodic signals through the MT1 melatonin receptor	Yasuo S, Korf HW	Experimental Neurobiology Frankfurt	plasticity
31	Regulation of beta chain of thyroid stimulating hormone (Tshb) and Tsh receptor (Tshr) expression in the mouse pituitary and brain	Unfried C, Yasuo S, Korf HW, von Gall C	Experimental Neurobiology Frankfurt	plasticity
32	The effect of Hebbian plasticity on the attractors of a dynamical system	Zhu J	FIAS Frankfurt	plasticity
33	Neural Feature Layers Can Establish Correspondences In Physiological Time	Lücke J., Keck C., Wolfrum P., Bouecke J., von der Malsburg C.	FIAS Frankfurt	plasticity
34	When bursts are not surprising - limitations of traditional burst detection algorithms	Gerhard F, Schiemann J, Roeper J, Schneider G	Mathematics Frankfurt	plasticity
35	How significant power covariation identifies behaviorally relevant distributed neural events	Seidel S, Wibral M, Munk M, Schneider G	Mathematics Frankfurt	plasticity
36	Processing of frequency modulated complex tones investigated with human magnetoencephalography	Heinemann LV, Kaiser J, Rahm B, Altmann CF	Medical Psychology Frankfurt	plasticity
37	Automatized Action Schemata in Nicotine Dependence: Evidence from Functional Magnetic Resonance Imaging and a Behavioral Affordance Paradigm	Yalachkov Y, Kaiser J, Naumer MJ	Medical Psychology Frankfurt	plasticity
38	The cortical network for high-level audiovisual object processing mapped with sogICA	van den Bosch J, Wibral M, Kohler A, Singer W, Kaiser J, van de Ven V, Muckli L, Naumer MJ	Medical Psychology Frankfurt	plasticity
39	Functional and biochemical evidence for an inter-subunit crosslink in the putative ATP binding site in P2X receptors	Marquez-Klaka B, Rettinger J, Nicke A	MPI for Brain Research Frankfurt	plasticity

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40	Paired associative stimulation (PAS) of supplementary motor area and primary motor cortex: induction of bidirectional spike timing-dependent-like plasticity	Arai N, Müller-Dahlhaus F, Bliem B, Lu MK, Ziemann U	Neurology Frankfurt	plasticity
41	The temporal dynamics of homeostatic metaplasticity in human motor cortex	Müller-Dahlhaus F, Möller C, Arai N, Ziemann U	Neurology Frankfurt	plasticity
42	Psychometric and neurophysiological assessment of intermanual somatosensory processing	Jung P, Wibral M, Bliem B, Lu MK, Ziemann U	Neurology Frankfurt	plasticity
43	Modulation of Bereitschaftspotential and Contingent Negative Variation by transcranial magnetic stimulation	Lu MK, Jung P, Arai N, Kössl M, Ziemann U	Neurology Frankfurt	plasticity
44	G-CSF deficiency impairs learning performance in mice	Dörr H, Diederich K, Sevimli S, Müller H, Schäbitz WR, Sommer C	Neuropathology Mainz	plasticity
45	K-ATP channels selectively control burst firing in dopaminergic substantia nigra neurons in vivo	Schiemann J, Schneider G, Magill PJ, Roeper J	Neurophysiology Frankfurt	plasticity
46	Effects of herbal extracts on neurite outgrowth of PC12 cells	Heiser J, Leuner K, Müller WE	Pharmacology Frankfurt	plasticity
47	New insights into the function of Reggies/Flotillins	Banning A, Babuke T, Genzler C, Meister M, Tomasovic A, Tikkanen R	Biochemistry II Frankfurt	regeneration
48	Intracellular signalling and cellular remodelling induced by Epidermal Growth Factor in the adult subventricular zone in vivo	Gampe K, Brill M, Momma S, Götz M, Zimmermann H	Cell Biology and Neuroscience Frankfurt	regeneration
49	Inhibition of autophagy converts neuron death from AIF- into a caspase-dependent apoptosis in hippocampal HT22 neurons	Steiger-Barraissoul S, Rami A	Cellular and Molecular Anatomy Frankfurt	regeneration
50	Inhibition of stress signalling, dendritic degeneration and neuronal cell death by the neuroprotective ectodomain of APP	Copanaki E, Vlachos A, Kögel D, Deller T	Clinical Neuroanatomy Frankfurt	regeneration
51	Chitosan nanoparticles support siRNA-mediated gene knockdown to promote neuronal regeneration	Hartmann H, Mitnacht U, Andersen M, Hein S, Howard K, Kjems J, Schloßhauer B	Naturwissenschaftliches und medizinisches Institut Reutlingen	regeneration
52	Biodegradable nerve guide conduit with pro-angiogenic potential	Hajosch R, Dreesmann L, Grupp L, Ahlers M, Schloßhauer B	Naturwissenschaftliches und medizinisches Institut Reutlingen	regeneration
53	Co-transplantation of adult neural progenitor cells with cells of mesenchymal origin for oligodendroglia replacement after spinal cord injury	Sandner B, Rivera F, Caioni M, Aigner L, Weidner N	Neurology Regensburg	regeneration