

Poster Program
Rhine-Main Neuroscience Network (*rmn²*)
24-26 November, 2010
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Clinic for Psychiatry and Psychotherapy Mainz	
1	GABAA Receptor Subtyp Selectivity of a 4-PIOL Analogue Bockhart V, Kramer V, Rösch F, Lüddens H
2	Does the Degree of Cytosin-Methylation in HEK293 Cells Change the Ethanol Sensitivity of Transiently Expressed GABA _A -Receptors? Sattler C, Dreyer B, Rabe H, Lüddens H
3	P-Glycoprotein as a Potential Mediator of HPA-Axis Related Anti-Depressant Effects Schönfelder Y, Hiemke C, Schmitt U
4	Advancement of Locomotor Activity Due to Reduced Risperidone Active Moiety Brain after P-glycoprotein Induction Holthöwer D, Hiemle C, Schmitt U
5	Predicting the Response to Antidepressant Treatment: Genetic, Clinical, and Biochemical Markers Tadic A
6	Retinoid-Based Therapy of Alzheimer's Disease ... from Bench to Bedside ... Endres K, Holthöwer D, Hiemke C, Fahrenholz F, Fellgiebel A
7	Balancing Alzheimer's Disease Related Genes ADAM10 and BACE1 Reinhard S, Salg A, Postina R, Endres K

Clinic for Psychosomatic Medicine and Psychotherapy Mainz	
8	Incentive-Sensitization in Addicted Computer Game Players – A Pilot Study Duven E, Beutel ME, Wölfling K
9	Electrophysiological Correlates of Craving after Visual and Auditory Cue-Exposure in Alcoholism Wölfling K, Duven E, Beutel ME
10	The Neuroanatomy of Planning Abilities in Early Childhood Unterrainer J, Rahm B, Kaller CP
11	18-FDG-PET-Untersuchungen von hypnotisch induzierten Depersonalisationszuständen bei Gesunden Lichy M, Beutel ME, Canterino M, Schreckenberger M, Gartenschläger M, Buchholz HG
12	Neurobiology of Depersonalization Cantarino M, Beutel ME, Lichy M, Michal M
13	Adult Attachment, Personality and Genetic Markers Reiner I, Spangler G
14	Neuronal Mechanisms of Attention in Depersonalization Adler J, Michal M, Berti S, Beutel ME
15	Mentalization and Emotional Awareness in Somatiform Disorders – An FMRI Study Subic-Wrana, C

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Institute for Genetics Mainz	
16	Segmental Specification of the Embryonic Neuroblast Lineage 6-4 in the Gnathal CNS of <i>Drosophila</i> Becker H, Technau G
17	Characterization of the pattern and identities of neuroblasts in the most caudal region of the <i>Drosophila</i> embryo Birkholz O, Rickert C, Technau GM
18	Posttranscriptional Regulation of Svp and Cas Activity by Mitosis-Dependent Nuclear Retention of their mRNA during CNS Development of <i>Drosophila</i> Eder S, Urban J
19	Guidance of Peripheral Glia in the <i>Drosophila</i> Embryo Von Hilchen CM, Technau GM, Altenheim B
20	Evaluating Neuroglobin Function in a Transgenic Mouse Model Hankeln T
21	Nerve Globins Contribute to the Unique Hypoxia Tolerance of the Subterranean Mole Rat <i>Spalax</i> Hankeln T
22	Migration of Peripheral Glial Cells in the <i>Drosophila</i> Embryo Dietrich J, Technau GM, Altenheim B
23	From Mouse to <i>Drosophila</i> : Factors Controlling Glia-Neuron Interaction in the Fly Nervous System Bustos A, Trotter J, Technau GM, Altenheim B
24	A Catalogue of Interneuronal Cell Types in the Late Embryonic Nervous System of <i>Drosophila</i> Rickert C, Kunz T, Harris KL, Whittington P, Technau GM
25	Analysis of Krüppel Repressor and Activator Protein Domains in the Context of Temporal Specification of <i>Drosophila</i> Neural Stem Cells Jansen S, Urban J

Clinic for Neurology Frankfurt	
26	Relationship of Somatosensory Cortex and Motor Cortex Responses to PAS Krivanekova L, Lu MK, Wahl M, Bleim B, Ziemann U
27	The Network of Successful VIM Stimulation for Tremor Klein J, Barbe M, Baudrexel S, Seifried C, Timmermann L, Hilker R
28	Timing-Dependent Homeostatic and Non-Homeostatic Metaplasticity in Human Motor Cortex Müller-Dahlhaus F, Möller C, Lu MK, Arai N, Ziemann U

Institute for Neurology (Edinger Institute) Frankfurt	
29	Characterization of Neural Stem Cell Markers Kraft A, Fischer T
30	Characterization of Neuronal EGFL7 in the Brain Bicker F, Plate KH, Schmidt MH
31	The Reaction of Neural Stem – or Progenitor Cells to Tumors in the Adult Human Brain Jadranka M, Scharenberg C, Dohse M, Nern C, von Randow J, Franz K, Seifert V, Synowitz M, Glass R, Plate KH, Brendel C, Momma S

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32	Possible Roles of TALE-Homeodomain Proteins in the Developing and Diseased Central Nervous System Grebbin M, Schramm J, Agoston Z, Schulte D
33	Intercellular Signaling between the Immune System and the Brain Oesterwind K, Keller S, Plate K, Altevogt P, Momma S

Frankfurt Institute for Advanced Studies	
34	Model Averaging as a Developmental Outcome of Reinforcement Learning Weisswange TH, Rothkopf CA, Rodemann T, Triesch J
35	Separability Increased in Self-Organized Recurrent Neural Networks Perianez A
36	A Walk through the Woods Explains the Space Variant Oblique Effect Rothkopf CA, Weisswange TH, Triesch J
37	Learning of Lateral Connections for Representational Invariant Recognition Keck C, Bouecke J, Lücke J
38	An Objective Function for STDP: Increasing the Separability in Self-Organized Recurrent Neural Networks Krieg, D
39	Binary Sparse Code Henniges M, Puertas G, Bornschein J, Eggert J, Lücke J

Department of Ophthalmology and Experimental Ophthalmology Mainz	
40	Proteomic Analysis of Glaucomatous Retinae Boehm N, Beck S, Pfeiffer N, Grus FH
41	Activated Microglia and Antibody Deposition in Retina during Retinal Ganglion Cell Loss in an Experimental Autoimmune Glaucoma Model Pirro S
42	Comparison of IgG and IgM Autoantibody Patterns in Glaucoma Patients Beck S, Boehm N, Schlich M, Pfirrmann K, Richter J, Pfeiffer N, Grus F
43	Hypertrophic Müller Cells in a Model of Normal Pressure Glaucoma Hoffmann D
44	Immunoreactivity in Animals with Glaucomatous Retinal Ganglion Cell Loss Through a Retinal Antigen Joachim SC
45	Detection of Autoantibody Patterns in Sera of Patients with Pseudoexfoliation Syndrome, Pseudoexfoliation Glaucoma, and Cataracts (Control Group) Lorenz K, Schlich M, Boehm N, Kramann C, Pfeiffer N, Grus FH
46	Analysis of IgM Autoantibody Patterns as Marker for Acute Phase Immunoreactions in Pseudoexfoliation Glaucoma Schlich M, Lorenz K, Boehm N, Kramann C, Pfeiffer N, Grus FH
47	Ophthalmopathy in Rats with MBP-Induced Experimental Autoimmune Encephalomyelitis Gramlich O

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Institute for Physiochemistry and Pathobiochemistry Mainz	
48	Endocannabinoid Signaling and Fear Extinction: Generation of a Mouse Line for Cell Type-Specific Rescue from CB1 Receptor Deficiency Rühle S, Remmers F, Marsicano G, Lutz B
49	Promoter Targeting Is Sufficient to Cause Oligodendroglial Tropism of Adeno-Associated Virus Vectors Mersmann N, Tkachev D, Röth P, Albers EM, Klugmann M
50	CB1 Signaling in Forebrain and Sympathetic Neurons Is a Key Determinant of Endocannabinoid Actions on Energy Balance Mancini G, Quarta C, Bellocchio L, Mazza R, Cervino C, Braulke LJ, Fekete C, Latorre R, Nanni C, Bucci M, Clemens LE, Heldmaier G, Watanabe M, Leste-Lassere T, Maitre M, Tedesco L, Fanelli F, Reuss S, Klaus S, Srivastava R, Monory K, Valerio A, Grandis A, De Giorgio R, Pasquali R, Nisoli E, Cota D, Lutz B, Marsicano G, Pagotto U
51	The Dual Role of the Endocannabinoid System as a Regulator of Anxiety Responses Aparisi A, Viveros MP, Lutz B
52	SYx5 Overexpression Shows Distinct Effects on VLDL-R Maturation by Direct Interaction Wagner T
53	Differential Coupling of G Proteins to CB1 Receptors in Hippocampal Glutamatergic and GABAergic Neurons Steindel F, Lerner R, Häring M, Marsicano G, Monory K, Lutz B
54	Loss of CB1 Cannabinoid Receptors in Neurons Expressing D1 Dopamine Receptors Affects Anxiety, Motor Learning, and Addiction Kaiser N, Monory K, Lutz B
55	AAV-Mediated Overexpression of Cannabinoid Receptor 1 in Pyramidal Neurons of the Hippocampus Protects from Seizure-Induced Excitotoxicity Guggenhuber S, Monory K, Lutz B, Klugmann M
56	Regulation of Social Behavior by the Cannabinoid Receptor Häring M, Kaiser N, Monory K, Lutz B

Institute for Zoology Mainz	
57	Evidence for a Regulation of SANS' Scaffold Function by Phosphorylation Jores P
58	The Usher Syndrome Protein SANS Participates in Cargo Reloading from the Post-Golgi Transport to the Ciliary Delivery in Photoreceptor Cells Sourusch N
59	USH1C in Human Retina Müller J, Vetter M, Wolfrum U
60	PTC124 therapy for a nonsense mutation causing Usher syndrome type 1C Goldmann T, Overlack O, Spitzbart B, Möller F, Nudelman I, Bassov T, Wolfrum U, Nagel-Wolfrum K
61	OPA1-Associated Neurodegeneration Alavi MV
62	Magi2 Is a Novel Interaction Partner of the USH1G Protein SANS in murine Retina Bauß K

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Frankfurt Institute for Molecular Life Sciences (FMLS)	
63	EphrinBs Are Functional Co-Receptors for Reelin to Regulate Neuronal Migration Senturk A, Pfennig S, Weiss* A, Burk K*, Acker-Palmer A
64	GRIP1-14-3-3 Interactions Control Dendrite Morphogenesis Geiger J, Segura I, Acker-Palmer A
65	The Role of EphrinB Ligands in Synaptic Function Harde E
66	Optogenetic Analysis of GABA B Receptor Signaling in Caenorhabditis Elegans Motor Neurons Brauner M, Liewald JF, Gottschalk A
67	Optogenetic long-Term Manipulation of Behavior and Animal Development Using Channelrhodopsin-2 Step Function Opsins Schultheis C, Liewald JF, Nagel G, Bamberg E, Gottschalk A
68	Optogenetics-Assisted Functional Analysis of a Small Neuronal Network in Caenorhabditis Elegans Husson S, Costa WS, Stirman JN, Watson JD, Spencer WC, Treinin M, Miller DM, Lu H, Gottschalk A
69	Achieving Single-Cell Expression of Channelrhodopsin-2 Using the cre-lox System to Analyze Habituation in Neural Circuits Inducing Withdrawal Behavior Schmitt C, Liewald J, Gottschalk A
70	Recombinat Synaptic Vesicle Membrane Protein SV31 is Sorted to a Putative Novel Compartment in PC12 Cells Barth J, Volkandt W
71	PACalpha- An Optogenetic Tool for Cell-Type Specific in vivo Manipulation of Cellular cAMP Levels, Neurotransmitter Release, and Behavior in Caenorhabditis Elegans Weissenberger S, Liewald JF, Erbguth K, Nagel G, Gottschalk A

Max Planck Institute for Brain Research Frankfurt	
72	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
73	Being a Grapheme-Color-Synesthete Makes a Difference - Perceiving Synesthetic Color Alters the Processing of Visual Stimuli Leugner AM, Haenschel C, Mueller N, Singer W, Melloni L
74	NB-Phox2b Variants Stimulate Proliferation of Sympathetic Precursor Cells Reiff T, Rohrer H
75	BMP Signaling Controls Dendritic Growth of Sympathetic Neurons <i>in vivo</i> Afsaneh M, Müller CM, Deller T, Del Turco D, Schütz G, Chu-Yia D, Rohrer H
76	An Immunocytochemical Approach to the Inner Retina of the Bat Müller B, Butz E, Peichl L
77	Hox Genes in the Pre-Specification of Sympathetic and Parasympathetic Ciliary Neuron Progenitors Huber L, Stubbusch J, Ferdin M, Rohrer H
78	Reprogramming of PNS Progenitors to CNS Fates Weber M, Binder E, Rukavina M, Hassani H, Nakatani H, Reiff T, Parras C, Taylor V, Rohrer H
79	Identification of Synaptic mRNAs in the Hippocampus Cajigas, Will, Akbalik, Tushev, Schuman

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80	Synaptotagmin2-positive amacrine cells in the rabbit and macaque retina Auferkorte O, Neumann S, Kaushalya S, Euler T, Haverkamp S
81	Inhibitory synaptic inputs onto melanopsin expressing retinal ganglion cells Neumann S, Haverkamp S, Auferkorte O

Max Planck Institute for Biophysics Frankfurt	
82	Optical Stimulation of Mitral Cells in the Mouse Olfactory Bulb Spors H
83	Working around the Clock – Training Groups of Mice in a Fully Automated Olfactometer Spors H

Institute for Physiology and Pathophysiology Mainz	
84	Synaptic Plasticity in the Newborn Rat Barrel Cortex <i>in vivo</i> An S, Yang JW, Sun H, Luhmann H
85	Influence of Induced Inflammation on Survival Rate and Spontaneous Network Activity of Immature Cortical Neurons Nimmervoll B, Sun JJ, White R, Luhmann H
86	Unraveling a New Function of the NO/cGMP Signaling Cascade at Glutamatergic Synapses in Hippocampus Neitz A, Mergia E, Koesling D, Eysel UT, Mittmann T
87	Spatial Profile of Lesion-Induced Changes in GABAergic Function and Neuronal Excitability in Rat Visual Cortex Imbrosci B, Eysel UT, Mittmann T
88	Spontaneous and Evoked Columnar Activity in the Newborn Rat Barrel Cortex <i>in vivo</i> Yang JW, An S, Berger T, Luhmann H
89	Ambient Glutamate-GABA Balance in the Neonatal Cortex Kirischuk S, Unichenko P, Dvorzhak A
90	Dopaminergic Modulation of low-Mg ²⁺ Induced Epileptiform Activity in the Intact Corticohippocampal Formation of the Newborn Mouse <i>in vitro</i> Sharopov S, Kilb W
91	T-Cell-Mediated Regulation of Neuronal L1 Expression White R, Siffrin V, Luhmann H, Zipp F
92	NO /cGMP signalling in hippocampus Schönle I, Neitz A, Mittmann T, Koesling D, Mergia E
93	Estimation of Ambient GABA Levels in Layer I of the Mouse Neonatal Cortex in Brain Slices Unichenko P, Myakhar O, Dvorzhak A, Kirischuk S
94	Intrinsic Activation of GABA (A) Receptors Suppresses Epileptiform Activity in the Cerebral Cortex of Immature Mice <i>in vitro</i> Kilb W, Richter D, Luhmann H
95	Which Factors Influence the Effect of Depolarizing GABA(A)-Mediated Membrane Responses on the Excitability of Immature Rat Neocortical Neurons? Kolbaev S

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96	Self-organization of Repetitive Spike Patterns in Developing Neuronal Networks in vitro Sun JJ, Kilb W, Luhmann H
97	Translational Control in Oligodendrocytes Bauer N, Bruttger J, Tenzer S, Luhmann H, White R
98	Electrophysiological and Morphological Properties of Cajal-Retzius Cells with Different Ontogenetic Origins Sava BB, Dávid CS, Teissier A, Pierani A, Staiger JF, Luhmann H, Kilb W
99	Z-DEVD-fmk Protects ZO-1 and C1-5 Tight-Junction integrity in Acute Cerebral Ischemia Zehender CM, Librizzi L, De Curtis M, Kuhlmann CRW, Luhmann H

Clinic for Nuclear Medicine Mainz	
100	Preliminary Evaluation of CB1 Receptor Imaging in Rat Brain Using Dedicated Small Animal PET Gartenschläger M, Buchholz HG, Maus S, Lutz B, Schreckenberger M
101	Alteration of dopamine D2/D3 receptor binding in patients with juvenile myoclonic epilepsy M Schreckenberger, Gartenschläger M, Bernedo V, Werhahn K, Buchholz H

Institute for Molecular – and Cell Biology Mainz	
102	Oligodendroglial Exosome Release Is Stimulated by the Neurotransmitter Glutamate Frühbeis C
103	Characterisation of Synaptic Structures between NG2 Glia and Neurones Sakary D., Karram K., Wolfrum U., Smalla KH., Gundelfinger E., Trotter J.
104	The Role of VAMP2 in PLP trafficking Kuo W
105	Gene-profiling of NG2-expressing cells from the mouse CNS Karram K
106	Oligodendroglial Exosomes – Trophic Support for Axons Amphornrat J
107	Migration of Oligodendrocyte Precursor Cells Binamé F
108	Oligodendroglial Exosomes in Glia to Neuron Signaling Fröhlich D, Amphornrat J, Frühbeis C, Trotter J, Krämer-Albers EM
109	The mitochondrial protease OMI/HtrA2 binds to NG2 expressed by oligodendrocytes progenitor cells: a role for NG2 in stress protection Maus F

Pharmacological Institute for Scientists Frankfurt	
110	Regulation of the Brain Isoprenoids Farnesyl- and Geranylgeranylpyrophosphate is Altered in Male Alzheimer Patients Eckert G, Hooff G, Strandjord D, Igbavboa U, Volmer D, Müller E, Wood WG

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111	Hydroxytyrosolrich Olive Mill Waste Water Extract Protects Brain Cells in vitro and in vivo Schaffer S, Podstawa M, Visioli F, Bogani P, Eckert G
112	Impact of Mevalonate Derived Farnesyl- and Geranylgeranylpyrophosphate on Ras-prenylation in Glioma Cells Kern B, Weissenberger J, Afshordel S, Frank J, Kögel D, Volmer D, Eckert GP
113	Simple 2, 4 Diacylphloroglucinols as TRPC6 Activators Heiser JH, Müller WE, Leuner K
114	Brain Permeability and Neuroprotective Effects of Bilobalide Lang D, Ude C, Wurglics M, Klein J
115	Lactate Levels in the Brain Are Elevated upon Exposure to Volatile Anesthetics: A Microdialysis Study Horn T, Klein J
116	Silexan®- Anxiolytic Properties by Inhibition of Voltage-Operated Calcium Channels Schuwald A, Leuner K, Müller WE
117	Mitochondrial Morphology – A Sensitive Marker for Mitochondria Targeting Drugs Eckert SH, Eckmann J, Eckert GP, Bordet T, Pruss R, Müller WE, Leuner K

Institute for Pharmaceutical Chemistry Frankfurt	
118	Potent Histamine h3 Receptor Ligands Using Privileged H1 Receptor Pharmacophores Isensee K, Amon M, Sasse B, Kottke T, Ligneau X, Schwartz JC, Stark H
119	Structure-Activity-Relationships on Derivatives of BF2.649, a Histamine H3 Receptor Antagonist and Promising Clinical Candidate Sander K, Meier G, Ligneau X, Ganellin CR, Schwartz JC, Schunack W, Stark H
120	Metal-Containing Histamine H3 Receptor Ligands via Click Chemistry Walter M, Sander K, Camelin JC, Ligneau X, Schwartz JC, Stark H
121	Fluorophore-Tagged Highly Affine Histamine Receptor Ligands Kubas H, Amon M, Walter M, Ligneau X, Schwartz JC, Stark H
122	Novel Fluorinated Non-Imidazole Histamine h3 Receptor Antagonists of the Diamine Class Isensee K, Walter M, Ligneau X, Camelin JC, Capet M, Schwartz JC, Stark H
123	Highly Selective Ligands at the Dopamine D3 Receptor Subtype- Novel Hybrids of Pramipexole and BP 897 Eichelsbacher EMC, Saur O, Kottke T, Sasse BC, Leppänen JM, Hill MP, Crossman A, Bézard E, Stark H
124	The Dopamine D3 Receptor Antagonist ST 198 as a Potential Cocaine Abuse Therapeutic Agent Sauer O, Eichelsbacher EMC, Shin M, Elsken CS, Forster MJ, Stark H
125	Binding Properties of Dopamine D3 Receptor Ligands Using Privileged Structures Kottke T, Sasse BC, Mach UR, Eichelsbacher EMC, Leppänen J, Stark H

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Clinic for Neurology Mainz	
126	Clinical and somatosensory pain characteristics in chemotherapy-induced neuropathy Geber C1, Vogt T1, Burbach B1, Egenolf C1, Fechir M, Körber J2, Treede RD3, Birklein F1
127	Cortical control of thermoregulatory sympathetic activation: a human 18-FDG-PET study Fechir M, Klega A, Bucholz HG, Breimhorst M, Pfeifer N, Balon S, Schlereth T, Geber C, Schreckenberger M, Birklein F
128	Naloxone inhibits not only stress-induced analgesia but also sympathetic activation and baroreceptor-reflex sensitivity Fechir M, Breimhorst M, Kritzmann S, Schlereth T, Geber C, Birklein F
129	The Mirror Neuron System Associated with Speech Perception Modulates the Activity of the Human Motor Cortex Face Area. A Combined fMRI and TMS Study Murakami T, Restle J, Ziemann U
130	Real-time Functional Magnetic Resonance Imaging (rtfMRI) in Acute Pain Breimhorst M, Bauermann T, Fechir M, Haller S, Birklein F
131	Behavioural and Cortical Aspects of Habituation to Pain Breimhorst M, Doganci B, Rodriguez-Raecke R, Fechir M, May A, Birklein F
132	Intermittent Theta Burst Stimulation over Broca's Area Promotes Imitation of a Foreign Language Restle J, Murakami T, Ziemann U
133	Decreased Dopamine D2/3-Receptor Binding in the Temporal Lobe and the Insular Cortex in Patients with mesial Temporal Lobe Epilepsy Bernedo VE, Gartenschläger M, Buchholz HG, Schreckenberger M, Werhahn KJ
134	Pain, Hyperalgesia and Neuropathy in the Postherpetic Neuralgia Schlereth T, Schreiber A, Breimhorst M, Fechir M, Birklein F
135	Keeping Memory Clear and Stable – The Contribution of Human Basal Ganglia and Prefrontal Cortex to Working Memory Baier B, Karnath HO, Dieterich M, Birklein F, Heinze C, Müller NG
136	Anatomical correlate of positive spontaneous visual phenomena – a voxelwise lesion study Baier B1, De Haan B2, Müller N3, Thomke F1, Birklein F1, Dieterich M4, Karnath HO2

Institute for Clinical Pharmacology/ ZAFES Frankfurt	
137	CNGA3: A target of NO/cGMP signaling in the spinal cord and modulator of inflammatory pain Heine S, Michalakis S, Kallenborn-Gerhardt W, Lu R, Weiland J, Del Turco D, Deller T, Tegeder I, Biel M, Geisslinger G, Schmidtko A
138	Brain Permeability and Neuroprotective Effects of Bilobalide Lang D, Ude C, Wurglics M, Klein J
139	Lactate Levels in the Brain Are Elevated upon Exposure to Volatile Anesthetics: A Microdialysis study T. Horn, J. Klein

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140	Novel Targets in Pain Therapy Niederberger E
141	Pain protective and neurotrophic effects of progranulin in models of neuropathic pain in mice HY Lim, Tegeder I et al.
142	Modulation of Spinal Nociceptive Processing by Prostacyclin (PGI 2) Schuh CD, Brenneis C, Coste O, Linke B, Dongdong Z, Fuchs J, Scholich K, Geisslinger G
143	Soluble Epoxide Hyrolase Gene Deletion and 8,9-EET Sensitize Primary Afferents and Nociceptive Behavior Sisignano M, Brenneis C, Coste O, Fischer MJ, Altenrath K, Angioni C, Schmidt H, Fleming I, Brandes RP, Reeh PW, Geisslinger G, Scholich K

Institute for Pathobiochemistry, Mainz	
144	LRP1 Mediates Bidirectional Transcytosis of Amlold-Beta across the Blood-Brain Barrier Pflanzner T

Institute for Anatomy and Brain Imaging Center Frankfurt	
145	Adult Newborn Hippocampal Granule Cells Show Increasing Reactivity to Perforant Path Stimulation with Structural Maturation Schwarzacher S, Jugenitz T, Deller T
146	Activity-Dependent Intracellular Chloride Accumulation and Diffusion Control GABA (A) Receptor-Mediated Synaptic Transmission Jedlicka P, Deller T, Gutkin BS, Backus KH
147	Upregulation of the Serine Protease Omi/HtrA2 and XIAP-Breakdown upon Seizure-Induced Hippocampal Injury in the Neonatal Rat Brain Rami A, Kim M, Wasterlain CG, Niquet J
148	Inhibition of Autophagy Converts Apoptosis from an AIF- into a Caspase-Dependent Process in Hippocampal Neurons upon Serum Deprivation Steiger-Barraissoul S, Rami A
149	Does the Neurite Outgrowth Inhibitor NOGO-A Contribute to Circadian Plasticity? Bechstein P, Jilg A, Schwab M, Stehle JH
150	Aging Leads to Increased Electrical in vivo Activity or Rostral Dopaminergic Substantia Nigra Neurons Bauer R, Schiemann J, Krabbe S, Roeper J
151	Electrophysiology of the Cognitive Control of Speech Gehrig J, Wibrall M, Kell C
152	Dopaminergic Control of Speech Production Arnold C, Gehrig J, Kell C
153	Temporal Dynamics of Mouse Hippocampal Clock Gene Expression Supports Memory Processing Jilg A, Dehghani F, Stehle JH
154	Daytime-Dependent Chromatin Remodeling in the Mouse Hippocampus Depends on a Circadian Clock Mechanism Jilg A, Slawaska J, Saade Am Stehle JH

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155	Circadian Dynamics of NOGO in Mouse Hippocampus Jilg A, Ried C, Lautenschütz B, Schwab M, Stehle JH
156	EGR-1 Induction by FGF-1 via Increase of MAPK-Activation and P13K-Inhibition in Hippocampal Neurons Benz, Sharjari, Molotkov, Dehghani, Maronde
157	Neuronal Correlates of Perceptual Closure Processing – An Investigation with Time-Resolved MEG-Beamforming and Transfer Entropy Wirbral M, Lindner M, Gruetzner, Vincente R,
158	Lateralisation of Speech Perception and Production Keller C, Kell C
159	Visual cortex activity is under circadian control both during perception and rest Haßemer C, Cordani L, Stehle J, Kell C
160	The individual diurnal profile of motor activity is correlated with resting state activity in premotor cortex Cordani L, Haßemer C, Stehle J, Kell C
161	K-ATP Channels in a Medial Subpopulation of Dopaminergic Substantia Nigra Neurons are Essential for Burst Firing <i>in vivo</i> Schiemann J, Klose V, Schlaudraff F, Bingmer M, Magill PJ, Schneider G, Liss B, Roeper J
162	Melatonin Couples Hippocampal Homeostasis to the Integrity of Diurnal Rhythms" Rawashdeh O, Jilg A, Saade A, Stehle JH

Institute for Neurosurgical Pathophysiology Mainz	
163	Detection and Implication of Spontaneous Spreading Depression Following Acute Subdural Hematoma in Rats Alessandri Bm Tretzel SJ, Heimann A, Kempfski O
164	Abnormal-Cannabidiol Reduces Histological Damage and Improves Neurological Outcome after Experimental Traumatic Brain Injury in Rats Ulrich MS, Koch M, Kallendrusch S, Heimann A, Kempfski O, Alessandri B, Dehghani F

Institute for Medical Psychology Frankfurt	
165	Basic Operations in Working Memory: Contributions from Functional Imaging Studies Bledowski C, Kaiser J, Rahm B
166	Antizipatorische oszillatorische Aktivität und auditorisches Kurzzeitgedächtnis Rieder M, Rahm B, Kaiser J

IDeA- Individuelle Entwicklung und Lernförderung Frankfurt	
167	TRENTOOL: An Open Source Toolbox for Matlab to Analyze Information in MEG, EEG and Other Time Series with Transfer Entropy Lindner, Vincente, Wirbral

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Center for Membrane Proteomics Frankfurt	
168	<p style="text-align: center;">Toponomics Driven Approach to Identify Therapy Targets in JNCL</p> <p style="text-align: center;">Krokkfors A, Hooff G, Wolf P, Moreno JMR, Petcherski A, Bode M, Hillert Reyk, Schubert W, Cotman SL, Eckert GP, Ruonala MO</p>

Institute for Cell- and Neurobiology Frankfurt	
169	<p style="text-align: center;">Use of Local Anesthetics for localizing Memory Recall and Information Transfer after Unilateral Olfactory Learning in the Honeybee Brain</p> <p style="text-align: center;">Fischer J, Grünewald B</p>
170	<p style="text-align: center;">Ionic current modulations of mushroom body and antennal lobe neurons in the honeybee</p> <p style="text-align: center;">Himmelreich S, Grünewald B</p>
171	<p style="text-align: center;">Stimulus-specific adaptation in awake rat auditory cortex</p> <p style="text-align: center;">Klein C, von der Behrens W, and Gaese B</p>
172	<p style="text-align: center;">Trauma Induced Tinnitus</p> <p style="text-align: center;">Remus M, Gaese B, Kössl M, Nowotny M</p>

Institute for Microanatomy and Neurobiology Mainz	
173	<p style="text-align: center;">Excitatory Transmission in Glutamatergic Neurons</p> <p style="text-align: center;">Vogt J, Trimmbruch T, Beed P, Streu N, Baumgart J, Ninnemann O, Schmitz D, Nitsch R</p>
174	<p style="text-align: center;">Adaptation in Cultural and Neuronal Systems</p> <p style="text-align: center;">Nicklas P</p>

Clinic for Anesthesiology Mainz	
175	<p style="text-align: center;">Age Dependent Influence of AT1-Inhibition on Secondary Brain Damage after Traumatic Brain injury</p> <p style="text-align: center;">Thal S, Timaru-Kast R, Gotthardt P, Luh C, Engelhard K</p>