

# Conference Program



September 07 <sup>th</sup> Wednesday			
10:00-12:00	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Seminarraum Ost</b> <b>Workshop I Part 1</b> <u>Analysis of structural and functional MRI data</u> Wüstenberg, T., Thomann, P.	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Jaspers Bibliothek</b> <b>Workshop II Part 1</b> <u>ISBET Workshop on topographical analysis of EEG/ERP data</u> Koenig, T., Skrandies, W.	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Großer Seminarraum</b> <b>ECNS: Editorial meeting of ECNS journal</b>
12:00-13:30	<b>Lunch on own</b>		
13:30-15:30	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Seminarraum Ost</b> <b>Workshop I Part 2</b> <u>Analysis of structural and functional MRI data</u> Wüstenberg, T., Thomann, P.	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Jaspers Bibliothek</b> <b>Workshop II Part 2</b> <u>ISBET Workshop on topographical analysis of EEG/ERP data</u> Koenig, T., Skrandies, W.	<b>Klinik für Allgemeine Psychiatrie</b> <b>Haus 1, Großer Seminarraum</b> <b>ECNS: Executive board meeting</b>
15:30-18:00	<b>Foyer Neue Universität</b> <b>Registration</b>		
18:00-19:00	<b>Alte Aula</b> <b>Opening Ceremony, Announcements</b>		
19:00-19:45	<b>Alte Aula</b> <b>Arvid Carlsson "Festvortrag"</b> My bumpy journey to dopamine and beyond		
19:45-21:00	<b>Alte Aula/Bel Etage</b> <b>Welcome Reception</b>		

September 08 <sup>th</sup> Thursday		
09:00-09:30	<b>Room HS 10</b> <b>Presidential Lecture ISNIP:</b> Dierks, T.: Neuroimaging and therapy of psychopathology in psychosis	
09:30-10:15	<b>Room HS 10</b> <b>Keynote Lecture ISNIP:</b> Herpertz, S.: How does the brain work in patients with personality disorder	
10:15-10:30	<b>Coffee Break</b>	
10:30-12:00	<b>Room HS 1</b> <b>Invited Symposium I</b> <u><b>The effect of psychotherapy in panic disorder: "How cognitive behavioral therapy modulates the brain"</b></u> <b>Chair: T. Kircher</b> Lueken, U.: Functional activation patterns during fear conditioning as markers for therapy response in panic disorder Wittmann, A.: The effect of cognitive behavioral therapy on anticipation of fear related cues in patients with panic disorder: an fMRI study Pfleiderer, B.: The effect of CBT on the neural correlates of interoception in patients with panic disorder and agoraphobia Straube, B.: The neural plasticity of aversive condition in panic disorder	<b>Room HS 10</b> <b>Invited Symposium II</b> <u><b>Neuro-PET in neuropsychiatric disorders - the Leipzig experience</b></u> <b>Chair: O. Sabri, Co-Chair: P. Schönknecht</b> Sabri, O.: Nicotinic receptor PET and amyloid imaging in dementia Meyer, P. M.: Nicotinic receptor PET in early Parkinson's disease: relationship to depressive and cognitive symptoms Hesse, S.: Serotonin transporter imaging in neuropsychiatric disorders Günther, T.: Impact of wakefulness regulation as measured by EEG-vigilance on the cerebral glucose metabolism during simultaneous EEG and [18F]FDG-PET
12:00-13:15	<b>Lunch</b>	
13:15-14:45	<b>Room HS 1</b> <b>Invited Symposium III</b> <u><b>Cognitive and physical activity training in elderly adults</b></u> <b>Chair: K. Erickson</b> Erickson, K.: Aging, exercise, and hippocampal volume Sandberg, P.: Brain and behavioral change after training of executive functions in young and old adults: issues of generalized gains over time and tasks Wild-Wall, N.: Neural correlated of changes in two cognitive transfer tasks due the cognitive and physical training interventions and test repetitions in seniors Liu-Ambrose, T.: Resistance training to promote cognitive and brain function in older women Bherer, L.: The effects of physical exercise training on cognitive performances and psychological well-being in frail and non-frail older adults	<b>Room HS 10</b> <b>Invited Symposium IV</b> <u><b>Glutamate dysfunction in schizophrenia and bipolar disorder: evidence from genetics and brain imaging</b></u> <b>Chair: J. Gallinat</b> Herrmann, C.S.: EEG gammaband oscillations in the diagnostics of psychiatric diseases Gallinat, J.: Imaging glutamate: state of the art and perspectives in psychiatry Mulert, C.: Gamma oscillations, cognition, and interaction of glutamatergic and GABAergic neurons
14:45-15:15	<b>Coffee Break</b>	

September 08th Thursday Part 2		
15:15-17:15	<b>15:15 – 17:15</b> <b>Foyer Neue Universität</b> <b><u>Poster Session I</u></b> <b>Chair guided tour Ia: S. Galderisi, M. S. Buchsbaum</b> <b>Chair guided tour Ib: T. Dierks, D. F. Salisbury</b>	<b>Room HS 10</b> <b><u>Free Oral Presentations I</u></b> <b>Chair: U. Hegerl</b> Schönknecht, P.: In Vivo DTI based Mapping of Hypothalamic Subregions in Humans Michielse, S.: Selective effects of aging on brain white matter microstructure: A diffusion tensor imaging tractography study Jauss, J. M.: Functional transcranial doppler sonography: Methods and applications Yokota, Y.: The effects on EEG's beta band activity of perceptual rivalry in bistable figures Bachmann, S.: Neurological soft signs and gray matter changes: A longitudinal analysis in first-episode schizophrenia Cachia, A.: Cortical gyrification and neurological soft signs in first episode psychosis Hegerl, U.: Arousal regulation as a pathogenetic factor in affective disorders Lai, C.-H.: The white matter tract abnormalities in late-onset drug-naïve panic disorder patients
	<b>15:15 - 17:15</b> <b>Marsilius Kolleg Haus Buhl, Hauptstraße 232</b> <b>ISNIP Satellite seminar with Prof. A. Carlsson</b> <b>(for PhD-Students from Heidelberg University)</b>	
	<b>16:00-17:00 ISBET: Executive board meeting</b>	
17:15-18:00	<b>Break</b>	
18:00-19:30	<b>Guided Tour:</b> historic castle <b>Meeting point Bergbahn</b>	
19:30	<b>Social Event:</b> Dinner @ Molkenkur	

September 09 <sup>th</sup> Friday		
09:00-09:30	<b>Room HS 10</b> <b>Presidential Lecture ISBET:</b> Skrandies, W.: Learning and language - insights from brain electrical activity mapping	
09:30-10:15	<b>Room HS 10</b> <b>Keynote Lecture ISBET:</b> Hirata, K.: Electrical brain mapping for clinical application - past, present and future	
10:15-10:30	<b>Coffee Break/Poster viewing</b>	
10:30-12:00	<b>Room HS 1</b> <b>Invited Symposium V</b> <u><b>Imaging symptom related brain systems in schizophrenia</b></u> <b>Chair: W. Strik</b> Strik, W.: Systems-specific Symptom domains in psychosis: Clinical and pathophysiological evidence Kircher, T.: Contribution of Gene-Brain Interaction to language abnormalities in Schizophrenia Salisbury, D. F.: P300, symptoms, and intellect at first hospitalization for schizophrenia Frangou, S.: Social Cognition and Schizophrenia: Meta-analysis of functional imaging studies and comparison to Autism Spectrum Disorders Schröder, J.: Cerebral correlates of neurological soft signs in schizophrenia	<b>Room HS 10</b> <b>Invited Symposium VI</b> <u><b>Multimodal imaging in adult ADHD: converging results?</b></u> <b>Chair: O. Tüscher, Co-Chair: L.T. van Elst</b> Maier, S.: Structural abnormalities in ADHD - VBM & DTI Perlov, E.: Spectroscopic abnormalities in ADHD – MRS Tüscher, O.: Verbally instructed fear and classical fear conditioning in Attention-Deficit and Hyperactivity Disorder Sebastian, A.: Neural correlates of behavioral inhibition in ADHD – fMRI Feige, B.: Timing inhibition in ADHD – EEG-fMRI
12:00-13:15	<b>Lunch/Poster viewing</b>	<b>Room HS 4a</b> <b>ISBET General Assembly</b>

September 09 <sup>th</sup> Friday Part 2		
13:15-15:15	<b>Foyer Neue Universität</b> <b><u>Poster Session II</u></b> <b>Chair guided tour IIa: J. Schröder, O. Pogarell</b> <b>Chair guided tour IIb: W. Skrandies, J. M. Jauss</b>	<b>Room HS 10</b> <b><u>Free Oral Presentations II</u></b> <b>Chair: F. Ortuno, W. Strik</b> Lebedeva, I.: Auditory information processing and 1H MRS in the dorsolateral prefrontal cortex in young male patients with the first episode schizophrenia Ortuno, F.: Neural Networks of Time Perception and Cognition in Schizophrenia Saletu, B.: Age related changes in electrophysiological neuroimaging in normals - EEG/ERP topography and tomography (LORETA) Jansen, A.: Association of CACNA1C risk status is with alterations in prefrontal activation and hippocampal connectivity Koenig, T.: Electrophysiological correlates of auditory verbal self-monitoring in healthy subjects Brunovsky, M.: Ketamine model of schizophrenia: QEEG and sLORETA study in healthy volunteers Walther, S.: Dysbalanced motor control in major depressive disorder: findings from arterial spin labeling and actigraphy Savli, M.:The Impact of Median Raphe Nucleus Serotonin Transporter Binding on Depression: A [11C]DASB PET study
15:15-15:45	<b>Coffe Break/Poster viewing</b>	
15:45-17:45	<b>Room HS 1</b> <b><u>Free Oral Presentations III</u></b> <b>Chair: O. Pogarell, T. Kircher</b> Yakushev, I.: Diagnostic utility of cingulate bundle tractography in Alzheimer's disease: A multi-center DTI study Aguilar, C.: Comparing Multivariate Classifiers for MR images in Alzheimer's Disease, Mild Cognitive Impairment and Healthy Controls Nagamatsu, L.: Neuro-cognitive benefits of resistance training in senior women with probable mild cognitive impairment Karch, S.: Executive control processes in psychiatry Nagamitsu, S.: Different regional benzodiazepine receptor binding activity between ADHD children and children with posttraumatic reaction Burton, P.: The Concept of Coherent Imaging of Cognitive Activity Uhlhaas, P.: The Adolescent Brain: Perspectives from Electrophysiology and Structural Neuroimaging Essig, M.: Regional cerebral perfusion alterations in patients with mild cognitive impairment and Alzheimer disease using dynamic susceptibility-contrast (DSC)-MRI	<b>Room HS 10</b> <b>Invited Symposium VII</b> <b><u>Dopamine imaging in psychiatric disorders and psychopharmacology, presents findings and future prospects</u></b> <b>Chair: A. Carlsson, T. Dierks</b> Gründer, G.: Dopamine imaging in psychiatric disorders Vollenweider, F.: Hallucinogenic drug action and dopamine: relevance for psychopathological models Nordström, A.-L.: Dopamine imaging in psychopharmacology: importance for drug development Jasanoff, A.: Towards MRI detection of dopamine signaling in living
17:45-18:30	<b>Break</b>	
September 09 <sup>th</sup> Friday Part 3		
18:30-19:15	<b>Alte Aula</b> <b>M. S. Buchsbaum "Festvortrag"</b> White matter and gray matter: connectivity, activity, and restorability	
19:15-21:00	<b>Alte Aula/Bel Etage</b> <b>Posterawards/Get Together/Floor Discussion</b>	

September 10th Saturday		
9:00-09:30	<b>Room HS 10</b> <b>Presidential Lecture ECNS:</b> Galderisi, S.: Electrophysiological and Neuroimaging Research in Psychiatry: setting a new agenda for schizophrenia	
09.30-10:15	<b>Room HS 10</b> <b>Keynote Lecture ECNS:</b> Mulert, C.: Disturbed connectivity and neural synchronization in schizophrenia	
10:15-10:30	<b>Coffee Break</b>	
10:30-12:00	<b>Room HS 1</b> <b>Invited Symposium VIII</b> <u><b>Characterization of reward-based decision-making and learning: the role of electrophysiology</b></u> <b>Chair: S. Galderisi</b> Mueller, E. M.: Dopamine antagonist boosts or disturbs electrophysiological and behavioral correlates of error monitoring depending on COMT Val 158 Met genotype Mucci, A.: Reward anticipation and feedback-processing characterization using electrophysiological indices Balconi, M.: FRN and P300 ERP effect modulation in response to feedback sensitivity. The contribution of punishment-reward system (BIS/BAS) and Behaviour Identification of action	<b>Room HS 10</b> <b>Invited Symposium IX</b> <u><b>Neuroimaging of autobiographical memory</b></u> <b>Chair: P. Piolino</b> Piolino, P: Neuroimaging of autobiographical memory Oedekoven, C.: Functional connectivity in the episodic memory network - a comparison of old and young healthy subjects Markowitsch, H. J.: What can we learn from psychogenic amnesia? Schröder, J.: Discussion - autobiographical memory deficits: clinical significance and underlying cerebral changes
12:00-13:00	<b>Lunch on own</b>	<b>Room HS 4a</b> <b>ECNS General Assembly</b>
13:00-14:30	<b>Room HS 1</b> <u><b>Free Oral Presentations IV</b></u> <b>Chair: K. Erickson, N. Boutros</b> Skrandies, W.: Scalp Topography Correlates of Human Semantic Learning Bechter, K.: Personality disorders improved after arachnoid cyst neurosurgery, then rediagnosed as 'minor' organic personality disorders Das, D.: Lifetime cigarette smoking is associated with striatal nuclei volume measures Yildirim, E.: Epileptic Seizure Prediction via Empirical Mode Decomposition Lemche, E.: Precuneus correlation for somatization-related activity triggered by facial expression across emotional valences Mathes, B.: Change detection influence decision-making processes reflected in the P3 and fronto-parietal delta response during delay-dependent working memory Surmeli, T.: Efficacy of qEEG and qEEG guided Neurofeedback in the Assessment and Treatment of Post Concussive Syndrome: A Clinical Case Series Adamchic, I.: Changes of tinnitus-related spontaneous brain activity before and after treatment-induced significant reduction of tinnitus symptoms	<b>Room HS 10</b> <b>Invited Symposium X</b> <u><b>Structural brain changes in schizophrenia</b></u> <b>Chair: V. Magnotta</b> White, T.: Typical Neurodevelopment from Childhood through Adolescence Buchsbaum, M.: Cognitive Tasks or the default state: probing the trait deficits in schizophrenia Beng-Choon, H.: The Role of Antipsychotic Exposure on Brain Volume Changes in Schizophrenia
14:30-15:00	<b>Break/Closing Floor Discussion</b>	
15:00-16:30	<b>Room HS 4a</b> <b>ISNIP Executive board meeting / ISNIP General Assembly</b>	

**Poster Session I September 08th Thursday 15:15-17:15**

1.	de Wilde	Martijn	The effects of a multi-nutrient drink on functional connectivity in patients with Alzheimer's Disease.
2.	Abel	Stefanie	Improved word retrieval in a picture/word interference task. A therapy study with fMRI including three single cases with aphasia
3.	Cabanis	Maurice	Cognitive Behavioral Therapy Effects in Schizophrenia: A multicenter fMRI study
4.	Dühl	Saskia	Communication via brain signals remains challenging: Evidence from single trial analysis during motor imagery
5.	Fehr	Thorsten	Split-half and re-test reliability in a STROOP interference task - An ERP study
6.	Grieder	Matthias	When healthy elderly outpace the young folks in semantic processing
7.	Grieder	Matthias	Spared semantic priming in Alzheimer's patients and its electrophysiological correlate
8.	Hashimoto	Yohei	Electrophysiological differences in the processing of affect misattribution.
9.	Jann	Kay	Identifying networks in cerebral blood flow data with Independent Component Analysis
10.	Jung-Ah	Min	Relationships between electrophysiological markers and clinical characteristics in patients with schizophrenia
11.	Kalmady	Sunil	Volume & Shape Abnormalities of Hippocampus and Immune Aberrations in Antipsychotic Naïve Schizophrenia
12.	Karch	Susanne	Working memory processes and age effects: evidence from a functional MRI study
13.	Karch	Susanne	Dopaminergic modulation of P300 in patients with major depression
14.	Kato	Kazuo	Characteristic Response to Neural Oscillation Affected by Spatial Frequency
15.	Kawasaki	Yasuhiro	Reduced white matter fractional anisotropy and clinical symptoms in schizophrenia: a voxel-based diffusion tensor imaging study
16.	Klaassen	Elissa	Episodic memory in middle age: brain activation differences and the effects of cognitive fatigue
17.	Kottlow	Mara	A microstate analysis of healthy children, children with ADHD and their parents using data from a continuous performance task
18.	Lai	Chien-Han	Fronto-temporal gray matter deficits of late-onset drug-naïve panic disorder patients
19.	Libben	Maya	Masked Semantic Priming, Thought Disorder and N400 in Schizophrenia
20.	Lüchinger	Rafael	EEG-fMRI absolute amplitudes and signal fluctuation correlations during (post-) adolescent brain maturation
21.	Michielse	Stijn	Selective effects of aging on brain white matter microstructure: A diffusion tensor imaging tractography study
22.	Minami	Tetsuto	Efficient and fatigueless methods of presenting visual stimuli for neurocommunicator system
23.	Oedekoven	Christiane	Functional connectivity in the episodic memory network
24.	Omid	Mojtaba	Glucose metabolism variations originated disorders in brain and its relationship with life span as the aspect of bioelectromagnetism
25.	Orosz	Ariane	The physiologic and behavioural impact of theta burst stimulation of the primary sensorimotor cortex in healthy subjects
26.	Razafimandimby	Annick	Neural networks for emotional discourse comprehension in schizophrenia
27.	Razavi	Nadja	The Disconnection Syndrome in the Resting Brain of Schizophrenia: A Combined View
28.	Rezaei Ghalechi	Elnaz	Survey of ADHD Prevalence among College Students Reside In Hostel of Ardabil University of Medical Sciences
29.	Rosenquist	Peter	Interictal Changes During ECT: Use of a Frontal Quantitative EEG Antidepressant Treatment Response Index
30.	Sankar	Anjali	Dysfunctional Thinking in Major Depressive Disorder: Neural Mapping and Analysis Following Cognitive Behaviour Therapy
31.	Schmiedt-Fehr	Christina	Age-related increases in within-person variability: Delta and theta oscillations indicate that the elderly are not always old
32.	Segmiller	Felix	Executive functions in patients with ADHD as assessed by EEG and event related potentials
33.	Seidel	Barbara	Progression in fluent primary progressive aphasia (PPA): A longitudinal multivariate approach
34.	Serpa	Mauricio H.	Corpus callosum volumes in recent-onset schizophrenia predict outcome of positive symptom severity
35.	Stein	Maria	The IAT-effect from a neurophysiologic perspective: preliminary analyses.
36.	Vieker	Henning	Hunger changes reward processing in healthy lean adults - but only understated. An fMRI-study
37.	Wirth	Miranka	Cognitive change in healthy aging: associations with beta-amyloid deposition, regional cortical metabolism and hippocampal volume
38.	Wirth	Miranka	Effects of transcranial direct current stimulation (tDCS) on behaviour and electrophysiology of language production
39.	Yasukawa	Satoshi	Event-Related Potentials during Cognitive Activation Affected by Modulated Ambient Noises



## Poster Session II September 09th Friday 13:15-15:15

1.	Alawi	Eliza M.	Social reinforcement can regulate localized brain activity
2.	Baumeister	Sarah	Inhibitory control assessed through simultaneous EEG-fMRI imaging: a pilot study
3.	Berna	Fabrice	Does ageing involve the motor system? Results from an ongoing study.
4.	Bhavsar	Saurabh	Evaluation of Image SNR for fMRI using Multi Echo EPI with Parallel Imaging
5.	Bracht	Tobias	Altered motor behaviour in schizophrenia underlies altered structural connectivity of the motor system
6.	Cetin	Timur	Age and Gender related changes in usability of a P300-Speller based Brain Computer Interface
7.	Dunkel	Gregor	P300 event related potential and kinematic parameters of automated hand movements
8.	Fellhauer	Iven	Comparison of automated brain MR image segmentation methods in MCI and AD
9.	Fisler	Melanie Sarah	White matter abnormalities in spider phobic patients
10.	Herold	Christina	Cerebral Correlates of Autobiographical Memory in Schizophrenia - A VBM-Study
11.	Homan	Philipp	Successful Application of Transcranial Direct Current Stimulation in Auditory Verbal Hallucinations
12.	Ibañez	Agustin	Neural basis of decision making and reward in euthymic bipolar disorder and adults with ADHD
13.	Ibañez	Agustin	Contextual Effects and Social Neuroscience: Insights from Neuropsychiatry
14.	Javaid	Muhammad Asim	Gamma correlates of voluntary saccades in the scalp EEG
15.	Koenig	Thomas	Neurophysiological correlates of motivational incongruence: an exploratory study
16.	Koenig	Thomas	ERP microstate statistics revisited
17.	Kong	Li	Cortical thickness correlates of neurological soft signs in chronic schizophrenia
18.	Kottlow	Mara	Do DTI white matter tracts between regions of face recognition correlate with the amount of EEG gamma phase synchronisation during a face binding task?
19.	Kottlow	Mara	Localization of transient EEG gamma synchronization with help from the BOLD signal: Finding a face integration network.
20.	Marinescu	Dragos	Calcifications of the choroid plexus and pineal gland - neurobiological markers for schizophrenia
21.	Martinelli	Pénélope	Evolution of Brain Activations during Episodic Autobiographical Memory Retrieval with Aging: Preliminary Results
22.	Melie-Garcia	Lester	Studying brain connectivity in Alzheimer's disease using multiple morphological descriptors
23.	Merlotti	Elena	Impulsiveness in patients with bulimia nervosa: Electrophysiological evidence of reduced inhibitory control
24.	Mucci	Armida	Electrophysiological evidence of emotional processing in anxiety and depressive disorders
25.	Norra	Christine	Utility of multi-feature Mismatch Negativity paradigms in clinical psychiatry
26.	Ocak	Hakan	Effects of NMDA NR2A (GRIN 2A) Gene Polymorphism On Event Related Potentials (ERP) and Oscillations (ERO)
27.	Olbrich	Sebastian	Vigilance Regulation: From validation to clinical relevance
28.	Palenicek	Tomas	The impact of behavior on cortical EEG in rats
29.	Rademacher	Lena	Neural correlates of monetary and social reward anticipation in young and elderly subjects
30.	Saletu-Zyhlarz	Gerda	Relations between objective and subjective sleep and awakening measures in normals of different age groups as compared with insomnia /generalized anxiety disorder and apnea patients
31.	Schwarz	Daniel	Recognition of First-Episode Schizophrenia Patients with the Use of Brain Morphometry on MR Images
32.	Sharda	Megha	Spoken Vs Sung - Auditory Brain Networks in Children with Autism
33.	Soravia	Leila Maria	Investigating the impact of cortisol administration on phobic fear with fMRI
34.	Stegmayer	Katharina	Ventral striatum volume correlates with specific psychotic symptoms associated with disturbance of the limbic system. A voxel-based morphometry (VBM) study.
35.	Watanabe	Yuka	Evaluation of cognitive functioning migraine patients - A study using sLORETA
36.	Wiehler	Antonius	Structural correlates of long-term memory in AD and MDD
37.	Wolf	Isabella	Simultaneous EEG fMRI during a reward anticipation task: Pilot results
38.	Yoshimura	Masafumi	Investigation of aripiprazole effects in schizophrenic patients using BRL-sLORETA norms: a preliminary study