

# LIST OF POSTERS

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\* Oral presentation.

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\* Oral presentation.

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Cerebral responses related to expressiveness of non-verbal emotional signals. <i>Wildgruber</i>	MO 243
Developmental changes in limbic-prefrontal responses to emotion perception across seven age decades. <i>Williams</i>	MO 244
The importance of correcting for physiological artifacts for functional MRI in deep brain structures. <i>Windischberger</i>	MO 245
Amygdalar Modulation of Cingulate Activity During Presentation of Fearful Faces. <i>Wood</i>	MO 246
Detecting the Neural Substrates of Intentional Deception with Trial-related fMRI. <i>Ziemlewicz</i>	MO 247
Human Striatal Responses to Monetary Reward Depend on Saliency. <i>Zink</i>	MO 248
A deficient reward system in pathological gambling. <i>Büchel</i>	MO 249*
Severity of nicotine dependence and reactivity to smoking cues—an fMRI study. <i>Bühler</i>	MO 250
Brain Reactivity to Facial Expression in First-Episode Schizophrenia: Abnormal Face-Module or Face-Modulation? <i>Bleich</i>	MO 251
Ventral Medial Prefrontal Cortex Metrics in Early Onset Depression: A Twin MRI Study. <i>Botteron</i>	MO 252
Event-related potentials (ERPs) in ecstasy (MDMA) abusers during an emotional discrimination task. <i>Campanella</i>	MO 253
Reduced Muscarinic Cholinergic2 Receptor Binding in Bipolar Disorder Using PET and [F-18]FP-TZTP. <i>Cannon</i>	MO 254
Asymmetric midbrain activity may underlie susceptibility to ventricular arrhythmia and sudden cardiac death during mental and physical stress. <i>Critchley</i>	MO 255
Behavioral Correlates of IV Methylphenidate and Cocaine in the Human Brain. <i>Dirckx</i>	MO 256
Correlates of Depression Severity during REM Sleep. <i>Germain</i>	MO 257
A modified role for the orbitofrontal cortex in attribution of salience to monetary reward in cocaine addiction: an fMRI Study at 4 T. <i>Goldstein</i>	MO 258
Evidence for brain plasticity in emotion processing: an fMRI study in first-episode schizophrenia patients. <i>Habel</i>	MO 259
Evidence for a Sustained Hippocampal Response to Fearful Faces in Schizophrenia. <i>Holt</i>	MO 260*
Reduced Anisotropy in the Left Amygdala of Schizophrenics: A Combined MRI-Volumetric and DTI Study. <i>Kalus</i>	MO 261
Histamine H 1 receptors in patients with depressive disorder: a doxepin-PET study. <i>Kano</i>	MO 262
Recognition of infant facial expression in patients with Asperger's syndrome: a preliminary study using fMRI. <i>Kawachi</i>	MO 263
Dissociation of exaggerated amygdala response in PTSD by conscious versus non-conscious fear perception. <i>Kemp</i>	MO 264
Lacking amygdala activation in first-episode schizophrenia patients during mood induction. <i>Klein</i>	MO 265
Diffusion Tensor Imaging and Voxel Based Analysis in Children With Early Onset of Schizophrenia. <i>Kumra</i>	MO 266
A word based affect induction fMRI study in euthymic bipolar patients. <i>Lagopoulos</i>	MO 267
Emotional Processing in Amyotrophic Lateral Sclerosis (ALS). <i>Lulé</i>	MO 268
Decision making in obsessive compulsive disorder and the impact of affective valence: an fMRI study. <i>Malhi</i>	MO 269
Cerebral Blood Flow Differences During Visually-Induced Fear in Patients with Cerebellar Lesions. <i>Marvel</i>	MO 270
Neural correlates of implicit emotional prosody processing in negative and non-negative symptom schizophrenia. <i>Mir</i>	MO 271
Serotonin Type 1A Receptor Binding Reduced in Panic Disorder. <i>Neumeister</i>	MO 272
Differential cingulate activation in negative and non-negative symptom schizophrenia during dynamic facial expression processing. <i>Newton</i>	MO 273
Emotional words recognition in patients with Asperger's syndrome: a preliminary study using fMRI. <i>Nishimukai</i>	MO 274
Differential amygdala activation during masked and unmasked presentation of emotional faces in patients with panic disorder. <i>Ohrmann</i>	MO 275
Relationship between dopamine transporter density and dopamine release during psychomotor stress in depressed patients with Parkinson's disease. <i>Ouchi</i>	MO 276
Amygdala Activation to PTSD Related Words Follows an Inverse Time-Course in PTSD vs. Normal Subjects. <i>Protopopescu</i>	MO 277
Functional activation of monetary reward in individuals with Autistic Spectrum Disorder. <i>Schmitz</i>	MO 278
Cerebral processing in the minimally conscious state. <i>Schnakers</i>	MO 279
Gray matter volume decrease in the prefrontal cortex of obsessive-compulsive patients with co-morbid depression. <i>Soriano-Mas</i>	MO 280
Neural Predictive Error Signal Differs in Depressive Illness. <i>Steele</i>	MO 281
Diffusion Tensor Imaging (DTI) in depressive Adolescents. <i>Stegemann</i>	MO 282

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\* Oral presentation.

Detection & mapping of abnormal brain structure in methamphetamine users. <i>Thompson</i>	MO 283
Visual processing of (un)masked facial affect in euthymic bipolar patients. <i>van der Schot</i>	MO 284
Response to Emotional Stroop Stimuli revealed by fMRI Study in Adolescents with Disruptive Behavior Disorder. <i>Wang</i>	MO 285
Relapse and gender specific activation of the striatum in alcoholics. <i>Wrase</i>	MO 286
Brain activation induced by drug-related cues: an fMRI study with pure heroin addicts. <i>Xiao</i>	MO 287

### Development & Aging

Monday, June 14	11:00–12:00 (Odd—MO 228–MO 384)
	15:00–16:00 (Even—MO 228–MO 384)
	18:00–19:00 (All—MO 228–MO 384)

Detection of Entorhinal Islands Using 7 T MRI. <i>Augustinack</i>	MO 288
The effects of task and time on brain activation patterns in the elderly. <i>Beason-Held</i>	MO 289
Localization of Developmental and Cognitive Effects in the Prefrontal Cortex. <i>Blanton</i>	MO 290
Variations in phonotactic probability modulate the auditory MMN. <i>Bonte</i>	MO 291
Fast visual brain specialization for print with learning to read. <i>Brandeis</i>	MO 292*
Gender based differences in brain activation during a verbal memory task performed by older adults. <i>Braskie</i>	MO 293
Age Effects on Regional Cerebral Blood Flow and Amygdala Activation in Response to Fear Stress. <i>Chen</i>	MO 294
Compensatory prefrontal activity in working memory: a comparison of high and low performing old adults. <i>Chicherio</i>	MO 295
Aerobic Fitness and Improved Neurocognitive Function in Older Adults. <i>Colcombe</i>	MO 296
NIH MRI study of normal brain development. <i>Cooperative Group</i>	MO 297
Experimental Evidence that Age-Related Brain Activation Increases reflect a Recruitment Process. <i>Dixon</i>	MO 298
Age differences in executive control components: Evidence from event-related potentials (ERPs). <i>Eppinger</i>	MO 299
Developmental changes in the visual evoked responses in human fetus revealed by magnetoencephalography. <i>Eswaran</i>	MO 300
Neural basis for visual spatial integration in adults and children. <i>Fornari</i>	MO 301
Age-dependent topographical characteristics of frequency spectra and linear and nonlinear EEG complexity measures. <i>Gaál</i>	MO 302
Brain morphometry and IQ measurements in preterm children. <i>Gadian</i>	MO 303
Aging in morphometry—significance vs. inclination of gray matter change. <i>Goto</i>	MO 304
Differential visual and motor activation patterns in adults and adolescents in a visually guided power grip task: An ERP and fMRI approach. <i>Halder</i>	MO 305
Noise reduction for diffusion tensor imaging in aged human subjects. <i>He</i>	MO 306
Neural Correlates of the Effect of Aging on Reward Association Learning. <i>Heekeren</i>	MO 307
Auditory evoked responses in human fetuses and newborns: An MEG study. <i>Holst</i>	MO 308
The role of the prefrontal cortex in children's movements: a study with a wearable NIRS system. <i>Hoshi</i>	MO 309
Increased Subinsular Anisotropy in Pianists. <i>Huang</i>	MO 310
Improvement of skilled motor functions in elderly healthy volunteers by cortical stimulation. <i>Hummel</i>	MO 311
Age-related Change in Cerebral Glucose Metabolism in Comparison with Morphological Change—A Combined Analysis of FDG-PET and Voxel Based Morphometry. <i>Ishii</i>	MO 312
The aging brain and working memory of 3-D dynamic objects. <i>Jiang</i>	MO 313
Lateralization of frontal lobe activation during encoding predicts recognition performance in older adults. <i>Johnson</i>	MO 314
Comparison of visual and saccadic activations in the parietal cortex between event-related fMRI and fMRI using a block design. <i>Kato</i>	MO 315
Diffusion Tensor Imaging in Normal Aging Brain: Analysis of Voxel-wise Statistical Maps and White Matter Tractography. <i>Kim</i>	MO 316
Automatic detection of subcortical ischemic lesion from 3-D MRI data in the aged brain. <i>Kinomura</i>	MO 317
Age-related dialation of cortical sulci. <i>Kochunov</i>	MO 318
Age-related opening of cortical sulci. <i>Lancaster</i>	MO 319
Changes in the shape of the corpus callosum during childhood and adolescence. <i>Liu</i>	MO 320

\* Oral presentation.



Functional MRI of implicit emotional face processing in children. <i>Lobaugh</i>	MO 321
Brain-function measurement using near-infrared topography on neonates. <i>Maki</i>	MO 322
Changes in human brain activity during cognitive tasks in normal aging: An fMRI study. <i>Meindl</i>	MO 323
Relationship Between Functional and Structural Differences in the Striatal Region. <i>Momenan</i>	MO 324
Developmental Differences in Arterial Transit Delays Between School-Age Children and Adults Demonstrated with Arterial Spin Labeling. <i>Moses</i>	MO 325
Does age affect hemispheric balance during finger tapping? An fMRI study. <i>Naccarato</i>	MO 326
Dynamic Mapping of Human Hippocampal Development during Childhood and Adolescence. <i>Nugent III AB</i>	MO 327
A developmental fMRI study on face emotion processing with upright and inverted face presentation. <i>Passarotti</i>	MO 328
Neuroimaging of practice effects in healthy young and old subjects. <i>Prvulovic</i>	MO 329
Age related effects on BOLD fMRI during prosaccades and antisaccades. <i>Raemaekers</i>	MO 330
Age-related Changes in Regional fMRI Activation and Vascular Reactivity to Carbon Dioxide. <i>Riecker</i>	MO 331
Interhemispheric differences in white matter fractional anisotropy—a DTI study. <i>Ritzl</i>	MO 332
Longitudinal decrease in N-acetyl aspartate in the frontal white matter during healthy ageing. <i>Ross</i>	MO 333
Age-related White Matter Alterations Measured by Diffusion Tensor Imaging. <i>Salat</i>	MO 334
Standard brain for each age group generated by aging simulation technique. <i>Sato</i>	MO 335
Gender Differences in Cortical Thickness Mapped in 176 Healthy Individuals Between 7 and 87 Years. <i>Sowell</i>	MO 336
The effect of age on odor-induced brain activation: An fMRI Study. <i>Tabert</i>	MO 337
Developmental Differences in Continuous Recognition Memory: An fMRI Study of Medial Temporal Lobe Function. <i>Thomas</i>	MO 338
Differences in hemodynamic response in children and adults. <i>Uludag</i>	MO 339
Neurochemical Change Associated With Structured Memory Exercise. <i>Valenzuela</i>	MO 340
Mapping with SPM the spread of atrophy from mild cognitive impairment to Alzheimer's disease. <i>Chételat</i>	MO 341
2D Voxel-based morphometry shows less white matter concentration in autism. <i>Chung</i>	MO 342
Cerebral glucose metabolism in patients with Alzheimer's disease and different Apolipoprotein E genotypes. <i>Drzezga</i>	MO 343
Dynamic Mapping of Cortical Brain Development in Pediatric Bipolar Illness. <i>Gogtay MD</i>	MO 344
Visualization of the Fasciculus callosus longitudinalis (Probst bundle) in an acallosal patient by using Diffusion Tensor Imaging (DTI). <i>Grüner</i>	MO 345
Default-Mode Network Activity Distinguishes Alzheimer's Disease from Healthy Aging: Evidence from fMRI. <i>Greicius</i>	MO 346
The enhanced effective connectivity between the parahippocampal gyrus and the posterior cingulate cortex in Alzheimer's disease: A rCBF SPECT study. <i>Hirao</i>	MO 347
Gray and white matter density changes in monozygotic and same-sex dizygotic twins discordant for schizophrenia: a voxel-based morphometry study. <i>Hulshoff Pol</i>	MO 348
A non-linear intensity-based brain morphometric analysis of Williams Syndrome. <i>Jackowski</i>	MO 349
fMRI in a case of extreme hydrocephalus: discrepancy between brain morphology and function. <i>Jech</i>	MO 350
A comparative 1H-MRS study of different medial temporal lobe measures of N-acetyl-aspartate in AD. <i>Jessen</i>	MO 351
Dopamine transporter and FDG PET in dementia with lewy bodies, Alzheimers disease, and Parkinsons disease. <i>Johnson</i>	MO 352
Incidental brain abnormality detected by FDG-PET. <i>Kameyama</i>	MO 353
The right hippocampus develops earlier than the left hippocampus? <i>Kato</i>	MO 354
Reorganization of motor, cognition and language neural network following early childhood unilateral brain injury. <i>Ko</i>	MO 355
Increased intracranial volume in parkinsonism. <i>Krabbe</i>	MO 356
The correlation between the extent of increased perfusion in frontal lobe and the response to medication in Tic disorder. <i>Lee</i>	MO 357
Age-associated changes of regional cerebral perfusion in Alzheimer disease and age-matched control. <i>Lee</i>	MO 358
Predicting Alzheimer's Disease using Cortical Thickness. <i>Lerch</i>	MO 359
High-Density ERPs during Response Inhibition in ADHD Children: Effects of chronic stimulant treatment. <i>Liotti</i>	MO 360
The contribution of MRI in understanding early signs of dementia—a neuropsychological perspective. <i>Lundervold</i>	MO 361
Functional Magnetic Resonance Imaging of Executive Function in Fetal Alcohol Spectrum Disorders Affected Children and Adults. <i>Malisza</i>	MO 362
Preliminary Diffusion Tensor Imaging (DTI) observations in 5 individuals with Williams Syndrome (WS). <i>Marenco</i>	MO 363
Probing the white matter organization of the autistic brain through diffusion tensor imaging. <i>Nacewicz</i>	MO 364



Effects of acute tyrosine depletion on blood flow during a spatial working memory n-back task: A PET investigation. <i>Ellis</i>	TU 16
Modulation of use-dependent plasticity by Levodopa. <i>Floel</i>	TU 17
BOLD fMRI activations common to spatial memory encoding and recognition in the medial temporal lobes. <i>Frings</i>	TU 18
fMRI-Activation of the Human Auditory Cortex in an Auditory Working Memory Task with Frequency Modulated Tones. <i>Gaschler-Markefski</i>	TU 19
Formal Learning Theory Predicts Activation in the Human Amygdala. <i>Gläscher</i>	TU 20
Learning to name unfamiliar objects: a PET activation study. <i>Grönholm</i>	TU 21
Alike performance during nonverbal episodic learning from diversely imprinted neural networks. <i>Groen</i>	TU 22
Does retrieval strategy modulate medial temporal lobe activation during category generation? <i>Hayes</i>	TU 23
Implicit Learning Impacts Explicit Learning by Way of the Medial Temporal Lobe. <i>Henke</i>	TU 24
ERP and fMRI effects of lag on priming for familiar and unfamiliar faces. <i>Henson</i>	TU 25
Effect of Propofol Sedation on Auditory Verbal Memory. <i>Hudetz</i>	TU 26
Continuous Recognition Memory in Adults and Children: An ERP Study of Parametric Memory Load Manipulation. <i>Hunt</i>	TU 27
Effects of chronic XTC use on hippocampus-dependent memory processing: An fMRI study. <i>Jager</i>	TU 28
Comparing Patterns of Implicit and Explicit Motor Learning with a Behavior-Driven Functional Connectivity Analysis Method. <i>James</i>	TU 29
Neural representation of object location and route direction: An fMRI study. <i>Janzen</i>	TU 30
When Encoding Fails: Effect of Emotion on Subsequent Forgetting. <i>Kensinger</i>	TU 31
Modulation of activities in temporal regions during ‘Feeling-of-Knowing’ state evoked by face-name associations. <i>Kikyo</i>	TU 32
Plastic changes of contralateral primary motor cortex during consecutive motor learning. <i>Kim</i>	TU 33
Distinct effects of selective attention on repetition priming: an event-related fMRI and intracranial ERP study. <i>Klaver</i>	TU 34*
Spatiotemporal Dynamics of episodic memory: A combined study with fMRI, MEG and human laminar recordings. <i>Knake</i>	TU 35
Amygdala activity associated with conditioned skin conductance responses during Pavlovian fear conditioning. <i>Knight</i>	TU 36
Letters or Numbers—How to assess Verbal Working Memory. <i>Knops</i>	TU 37
The ventrolateral prefrontal cortex in verbal active retrieval. <i>Kostopoulos</i>	TU 38
The influence of the instruction (“colour vs. letter”) on the processing of coloured letters in a working memory task: An fMRI study. <i>Krause</i>	TU 39
MasterBrain: A new task to study learning by reward and logical deduction in fMRI. <i>Landmann</i>	TU 40
Distinguishing between formal theories of human associative learning. <i>Lavric</i>	TU 41
Caffeine, priming and tip-of-the-tongue: evidence for plasticity in the phonological retrieval system. <i>Lesk</i>	TU 42
Cognitive processing in Chinese literate and illiterate: an fMRI study. <i>Li</i>	TU 43
The Semantic and Episodic Memory Involved in Face Retrieval: An ERP Study. <i>Luo</i>	TU 44
Effects of Testosterone Supplementation on Brain Function in Eugonadal Elderly Men. <i>Maki</i>	TU 45
Audio-visual integration of faces and voices: an ERP study. <i>Maurage</i>	TU 46
Transient training-induced gray matter changes in the adult human brain. <i>May</i>	TU 47
Memory consolidation in the human brain is associated with strengthening of cortico-cortical connections in a widely distributed neocortical network: Evidence from magnetoencephalography. <i>Meeren</i>	TU 48
Individual variability in spectral correlates of working memory load in scalp and intracranial EEG recordings. <i>Meltzer</i>	TU 49
Route encoding and recognition in young and old. <i>Meulenbroek</i>	TU 50
Prefrontal activation correlated with improvement in verbal episodic memory following strategic semantic cognitive training. <i>Miotto</i>	TU 51
Learning-related changes of brain activations in mirror reading task: An fMRI study. <i>Mochizuki-Kawai</i>	TU 52
Can the feeling of familiarity be driven by a weak hippocampal output as well as by an independent perirhinal cortex familiarity mechanism? <i>Montaldi</i>	TU 53
Temporal unfolding of mental calculation: a 3D PRESTO fMRI study. <i>Morocz</i>	TU 54
Consistent performance and functional activation on a working memory task across multiple sessions. <i>Myers</i>	TU 55
Involvement of hippocampus in a simple working memory recognition task with distraction. <i>Niki</i>	TU 56

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\* Oral presentation.

Cerebral correlates of sleep-dependent motor memory formation: an fMRI study. <i>Nitschke</i>	TU 57
Stage-dependent changes in functional connectivity during motor sequence learning. <i>Noonan</i>	TU 58
Activation in the precuneus is related to reaction time shortening in serial reaction time tasks. <i>Oishi</i>	TU 59
Increased Prefrontal and Parietal Activity after Training of Working Memory. <i>Olesen</i>	TU 60
Involvement of the cerebellum in working memory of musical chords. <i>Pallesen</i>	TU 61
Different cortical networks are involved in spatial memorization during sequences of saccades. <i>Paquet</i>	TU 62
Paired associative learning in healthy elderly volunteers: An event-related fMRI study. <i>Pariante</i>	TU 63
Neural Correlates of Spacing Effect: An Event-related fMRI Study. <i>Park</i>	TU 64
Gender Differences in the Functional Neuroanatomy of Emotional Episodic Autobiographical Memory. <i>Piefke</i>	TU 65
Simultaneous measurement of cerebral haemodynamics with O-15-butanol-PET and near-infrared spectroscopy (NIRS) during a working memory task. <i>Poeppe</i>	TU 66
Engagement of the Prefrontal Cortex in Dynamic Memory: An fMRI Study on Representational Momentum. <i>Rao</i>	TU 67
Neural Correlates in Implicit Learning: A Self-Paced SRT Study. <i>Rosas</i>	TU 68
Role of Parietal and Frontal Cortices in Updating and Refreshing the Contents of Working Memory. <i>Roth</i>	TU 69
How different learning conditions affect the brain's efficiency during word reading. <i>Sandak</i>	TU 70
Remember/know revisited. <i>Sandblom</i>	TU 71
Neural encoding correlates of high and low verbal memory performance: An event-related fMRI study. <i>Sartory</i>	TU 72
Self-regulation of the BOLD signal of supplementary motor area (SMA) and parahippocampal place area (PPA): fMRI-neurofeedback and its behavioural consequences. <i>Scharnowski</i>	TU 73
Anterior-posterior functional gradient within premotor fields: fMRI on memory-driven versus stimulus-driven sequencing. <i>Schubotz</i>	TU 74
Contributions of occipital, parietal and parahippocampal cortex to encoding of object-location associations. <i>Sommer</i>	TU 75
Neural Correlates of Memory Self Assessment. <i>Sperling</i>	TU 76
Neurophysiological correlates of language learning—Preliminary results. <i>Stein</i>	TU 77
fMRI-activity while visually or haptically learned positions and objects are retrieved from long-term memory. <i>Stock</i>	TU 78
Neural correlates of declarative memory formation and retrieval: an MEG study. <i>Takashima</i>	TU 79
Enhanced cross-modal linkage during arbitrary auditory-visual association learning as revealed by functional MRI. <i>Tanabe</i>	TU 80
The fMRI acoustic noise interference on working memory. <i>Tomasi</i>	TU 81
Lateral asymmetry of the hippocampal complex activity during recognition of words: An event-related fMRI study. <i>Tsukiura</i>	TU 82
Independent episodic retrieval contributions of anterior and posterior prefrontal cortex: An event-related fMRI study. <i>Umeda</i>	TU 83
Effects of cognitive aging on recognition of implicitly and explicitly memorized words: an fMRI study. <i>van der Veen</i>	TU 84
Gamma activity in humans during perception and retention of virtual pitches studied by MEG. <i>van Dijk</i>	TU 85
Hippocampal Activation is Associated with Binding of Stimulus Features During Memory Encoding. <i>van Erp</i>	TU 86
Neural systems underlying famous face recognition and person identification. <i>van Westen</i>	TU 87
Functional development of the ventral and dorsal visual pathways in humans affected by congenital blindness. <i>Vanlierde</i>	TU 88
Frontoparietal information flow during short-term memory as revealed by high-resolution EEG analysis. <i>Vecchio</i>	TU 89
Testing Paivio's Dual Encoding Theory for verbal and nonverbal learning: an fMRI study. <i>Vohn</i>	TU 90
Real learning and pseudo learning: effects on the posterior frontomedian cortex (BA 8m) investigated with fMRI. <i>Volz</i>	TU 91
The reliability of memory associated fMRI activations. <i>Wagner</i>	TU 92
Grey matter differences in divers versus off-shore workers: a voxel based morphometric study. <i>Waiter</i>	TU 93
Neural Correlates of Contextual Retrieval and Item Recognition are dissociated within the Human Medial Temporal Lobe. <i>Weis</i>	TU 94
BOLD correlates of physiological self-regulation of slow cortical potentials (SCP): a combined EEG and fMRI study. <i>Weiskopf</i>	TU 95
Neural foundations of transforming complex spatial environments into egocentric vs. allocentric memory representations. <i>Wolbers</i>	TU 96
Immediate Memory Underlying Lexical Tone Processing. <i>Wong</i>	TU 97
An Electrophysiological Study of Special Issue on Face Recognition. <i>Wu</i>	TU 98
Neural correlates of orientation effects on recognition of faces from own and other races. <i>Ye</i>	TU 99
Medial Temporal Lobe Activation in Episodic vs. Familiarity-Based Memory Retrieval. <i>Zalesak</i>	TU 100
Modulation of Effective Connectivity of Working Memory network in Patients at the earliest stage of Multiple Sclerosis. <i>AuDuong</i>	TU 101

A case of autobiographical memory selectively impaired: comparisons with 8 normal controls in a self-paced event-related fMRI design. <i>Botzung</i>	TU 102
Encoding and recognition of faces in normals and Wernicke–Korsakoff’s syndrome: a BOLD fMRI study. <i>Caulo</i>	TU 103
Episodic memory in healthy subjects and temporal lobe epilepsy patients assessed by a functional MRI study: preliminary study. <i>Choi</i>	TU 104
Modulation of working memory performance by modafinil in schizophrenia may be neuroanatomically constrained. <i>Farrow</i>	TU 105
Impaired Monitoring Linked To DLPFC Dysfunction in Schizophrenia. <i>Glahn</i>	TU 106
Combining functional neuroimaging and the lesion-deficit approach in the study of human working memory. <i>Gruber</i>	TU 107
A case of psychogenic fugue: I understand, aber ich verstehe nichts. <i>Hayes</i>	TU 108
Negative correlation between metabolic activity in the limbic caudate and intelligence score found in left temporal lobe epilepsy but not in non-left TLE: 18F-FDG PET study. <i>Hwang</i>	TU 109
Functional connectivity in an fMRI working memory task in high functioning autism. <i>Koshino</i>	TU 110
Using fMRI to Investigate the Working Memory Network in Normal and Pathological Ageing. <i>McGeown</i>	TU 111
A voxel-based correlational study of MRI morphometry with symptom severity and neuropsychological performance in Post-Traumatic Stress Disorder. <i>Minhas</i>	TU 112
Compensatory cortical activation in early MS-patients during performance of a working memory task: association with cognitive status. <i>Morgen</i>	TU 113
Altered neuronal activation during processing of verbal episodic memory in preterm adolescents. <i>O’Carroll</i>	TU 114
Reorganisation of Verbal and Non-verbal Memory in Unilateral Temporal Lobe Epilepsy: An Event-Related Study. <i>Powell</i>	TU 115
Effect of Schizophrenia on fMRI Activity During Shallow and Deep Word Encoding. <i>Ragland</i>	TU 116
“Visual” cortex activation in the blind during verbal memory is correlated with recognition levels. <i>Raz</i>	TU 117
Observed differences between normal and dyslexic subjects in clusters functionally correlated with the cerebellum. <i>Stanberry</i>	TU 118
Event Related FMRI of Working Memory in Schizophrenic Patients and Healthy Control Subjects. <i>Steinberg</i>	TU 119
Neural mechanisms underlying probabilistic category learning in patients with schizophrenia. <i>Weickert</i>	TU 120

### Physiology, Metabolism & Neurotransmission

Tuesday, June 15 11:00–12:00 (Odd—TU 121–TU 189)  
15:00–16:00 (Even—TU 121–TU 189)  
18:00–19:00 (All—TU 121–TU 189)

Detection of a small stable motor focus within extended motor representation areas in humans by fMRI. <i>Beisteiner</i>	TU 121
Sensitization to psychostimulants persists after one year: a PET/ [11C]raclopride follow-up study in healthy volunteers. <i>Boileau</i>	TU 122
Activated voxel counts correlate with brain volume measures on a group, not an individual, basis. <i>Brodtmann</i>	TU 123
Identification of human brain regions involved in thermoregulation. <i>Carabott</i>	TU 124
EEG Power and Coherence Mapping: Frequency and Stage Effects of Bionic Glove Stimulation. <i>Chen</i>	TU 125
High Resolution Spatial Mapping of Nicotine Action using MRI. <i>Choi</i>	TU 126
Alpha rhythm mapping by Synthetic Aperture Magnetometry. <i>Chu</i>	TU 127
Differential distribution of LDH1 and LDH5 in human auditory and visual cortices. <i>Clarke</i>	TU 128
Improving spectral analysis of EEG recordings during simultaneous fMRI experiments. <i>Czisch</i>	TU 129
The hedonic response to tobacco smoking is proportional to [11C]raclopride binding potential in the dorsal striatum in humans. <i>Dagher</i>	TU 130
Cerebral correlates of spindles and delta waves during human sleep-wake cycle. <i>Dang-Vu</i>	TU 131
Subtle Effects of Social Alcohol Drinking on Brain Structure in Males But Not in Females. <i>de Bruin</i>	TU 132
Mean Cortical CBF Increases During Novel Mental Operations but Only Redistributes During Routine Tasks: implications for “deactivation” issues and control condition design. <i>Deusch</i>	TU 133
Low Frequency Oscillation of Oxy-hemoglobin in Brain are Decreased During Motor Activation. <i>Di Martino</i>	TU 134
3D High-resolution Topographic EEG Mapping of Tonic Human Pain: cuff pressure test. <i>Egsgaard</i>	TU 135
Spontaneous fMRI bold and EEG dynamics: non-inferential approaches to the conscious resting state. <i>Finelli</i>	TU 136
Correlation of high-resolution fMRI signals with the underlying cytoarchitectonic laminar structures. <i>Harel</i>	TU 137
Endogenous dopamine release induced by repetitive transcranial magnetic stimulation over the primary motor cortex: An [11C]-raclopride PET study in anesthetized macaque monkeys. <i>Hayashi</i>	TU 138

Long-term lasting effect of repetitive transcranial magnetic stimulation in regional brain activity: An [18F] fluorodeoxyglucose PET study in anesthetized macaque monkeys. <i>Hayashi</i>	TU 139
Interference of Bilateral Hind paw Stimulations at the Primary Somatosensory Cortex of Rats. <i>Hua</i>	TU 140
In vivo MR spectroscopic imaging of glutamate in the monkey brain. <i>Juchem</i>	TU 141
Negative BOLD Signal Responses in Visual Stimulation. <i>Kamba</i>	TU 142
Simultaneous Measurements of Hemodynamic Responses using Functional MRI and Near-Infrared Spectroscopy Induced by Photic Stimuli. <i>Kashikura</i>	TU 143
Imaging for oxygen exchange in capillary: distinguished fast-oxygen response in capillary event (FORCE) from watering-the-garden effect. <i>KATO</i>	TU 144
Cortical Flattening: A novel analysis tool applied to 23 mm high-resolution FDG PET. <i>Klein</i>	TU 145
Resonance phenomena between spontaneous and evoked oscillatory EEG rhythms in the visual cortex color. How do they translate into a vascular response? <i>Koch</i>	TU 146
A BOLD fMRI Study of Acupuncture Analgesic Effects. <i>Li</i>	TU 147
Caffeine Affects the Dynamics of the Visual BOLD Response. <i>Liu</i>	TU 148
The coupling between BOLD signal strength and latency. <i>Mueller</i>	TU 149
Comparative Study of Manual and Electroacupuncture using fMRI. <i>Pei</i>	TU 151
Cross-Validation of localized Working Memory Function between fMRI, cortical electrostimulation and subdural EEG mapping. <i>Ramsey</i>	TU 152
Temporal and Intensity Dynamics of EEG Power Mapping under Acupuncture Stimulation. <i>Reed</i>	TU 153
Establishment of the method for evaluation of Acetylcholinesterase inhibitors for the treatment of Alzheimer's disease in Monkey Brain using [11C]MP4A PET. <i>Shiraishi</i>	TU 154
Perfusion and Oxygen Consumption Changes with Neuronal Inhibition. <i>Stefanovic</i>	TU 155
Does NIRS really measure cerebral perfusion? A validation study with NIRS and simultaneous quantitative O-15-Butanol-PET. <i>Terborg</i>	TU 156
Estimation of CBF/CMRO2 coupling from fMRI data without hypercapnia. <i>Uludag</i>	TU 157
Smoking evokes dissociated changes of cerebral blood flow and oxygen consumption. <i>Vafae</i>	TU 158
Comparison between fMRI, cortical electro-stimulation and subdural EEG mapping of human sensory-motor function. <i>van der Schaaf</i>	TU 159
Estimation of Dynamic CMRO2 Changes From Dynamic CBF, BOLD and CBV MRI Data. <i>Vazquez</i>	TU 160
Acupuncture Modulates Long-Linkage Gamma EEG Coherence: 3D High-resolution Human Brain Mapping. <i>Wang</i>	TU 161
Mapping rapid eye movements in REM sleep with simultaneous fMRI—tracking PGO activity in humans? <i>Wehrle</i>	TU 162
CNR Enhancement on Measurement of Dynamic CBV Changes Using Tissue Suppression Inversion Recovery. <i>Wu</i>	TU 163
Asymmetry study on brain hemispheric regional homogeneity by fMRI. <i>Zang</i>	TU 164
The changes of dopamine transporter activity in major depression due to bupropion treatment: a 99mTc-TRODAT-SPECT binding competition study. <i>Argyelán</i>	TU 165
Blood-CSF barrier dysfunction in schizophrenic disorder: relationship to intracranial CSF volume? <i>Atiya</i>	TU 166
Decreased Serotonin Type 1A Receptor Binding in Bipolar Depression. <i>Bain</i>	TU 167
Testing A1 Adenosine Receptor PET in Neurological Disorders. <i>Bauer</i>	TU 168
Mapping the modulation of dopaminergic circuitry in amphetamine-sensitized rats using pharmacological MRI. <i>Chen</i>	TU 170
D2/D3 Dopamine Receptor Binding in Medication Naive Schizophrenics. <i>Christian</i>	TU 171
Late out of the Gate: Slowed Thalamic Hemodynamic Responses in Schizophrenia. <i>Ford</i>	TU 172
Mechanisms Underlying Optical Spectroscopic Changes in Primate and Human Cortex. <i>Hochman</i>	TU 173
Decreased Serotonin2A Receptor Binding in Prodromal Phases of Schizophrenia. <i>Hurlemann</i>	TU 174
Decrease in cortical benzodiazepine receptors in symptomatic patients with leukoaraiosis: a positron emission tomography study. <i>Ihara</i>	TU 175
Dopamine transporter in the nigrostriatal system of adolescents with ADHD and motor hyperactivity. <i>Jucaite</i>	TU 176
Frontal lobe magnetic resonance spectroscopic imaging (1H-MRSI) and FDG PET abnormalities in young children with Sturge-Weber syndrome. <i>Juhasz</i>	TU 177
Changes in functional connectivity of hippocampal area in patients with medial temporal lobe epilepsy (mTLE): an 18F-FDG PET study. <i>Kim</i>	TU 178
Functional activation within the DWI/PI mismatch region after recovery from stroke. <i>Kleiser</i>	TU 179
Mapping Progressive Loss of Striatal D2 Receptor Density and Genetic Correlation in Presymptomatic Huntington's Disease. <i>Ma</i>	TU 180
Functional Disconnectivity During Speech Production in Schizophrenia. <i>Mathalon</i>	TU 181

<b>Regional decrease and increase of the adenosine A1 receptor binding in patients with intractable temporal lobe epilepsy—A positron emission tomography study.</b> <i>Nariai</i>	TU 182
<b>Neural Response to Tryptophan Depletion in Remitted Depression and Serotonin Transporter Genotype.</b> <i>Neumeister</i>	TU 183*
<b>Neuromorphometric measurements of the Amygdala in Medicated and Unmedicated Bipolar Disorder.</b> <i>Nugent</i>	TU 184
<b>Preliminary results of FDG PET investigations in presymptomatic patients with Huntington's disease.</b> <i>Szakáll</i>	TU 185
<b>Crossed cerebellar diaschisis in chronic ischaemic stroke patients: a functional-anatomical PET investigation.</b> <i>Szilágyi</i>	TU 186
<b>Cerebral perfusion changes in mesial temporal lobe epilepsy: SPM analysis of ictal and interictal SPECTs.</b> <i>Tae</i>	TU 187
<b>The Effect of Nicotine on Hemodynamic Response during a Smooth Pursuit Eye Movement Task in Schizophrenia.</b> <i>Tregellas</i>	TU 188
<b>Laminar origin of ripple oscillations (80–160 Hz) associated with interictal spikes in the human neocortex.</b> <i>Ulbert</i>	TU 189

### Sensation & Perception

Tuesday, June 15 11:00–12:00 (Odd—TU 190–TU 378)  
 15:00–16:00 (Even—TU 190–TU 378)  
 18:00–19:00 (All—TU 190–TU 378)

<b>Are Posterior Auditory-Cortex Neurons Tuned to Sound Location in Humans?</b> <i>Ahveninen</i>	TU 190
<b>Neural correlates of metrical stress evaluation of perceived and imagined spoken words.</b> <i>Aleman</i>	TU 191
<b>Processing of the perceived 3D-structure of objects in the human visual cortex.</b> <i>Altmann</i>	TU 192
<b>Is striate cortex activated during dreaming? Hemodynamic Changes measured by NIRS.</b> <i>Atsumi</i>	TU 193
<b>Second, but not first, somatosensory cortex is important for tactile direction discrimination.</b> <i>Backlund</i>	TU 194
<b>Motor cortex activity during anticipation and pain: an fMRI investigation.</b> <i>Baraldi</i>	TU 195
<b>Scanning for the scanner: evoking modulations of the bold-signal in the auditory cortex by withholding read-outs from echo planar images (EPIs).</b> <i>Bartsch</i>	TU 196
<b>Integration of Audiovisual Information with Relevant Bimodal Stimuli: An Event Related Potential Study.</b> <i>Barutçu</i>	TU 197
<b>Parallel Imaging Reveals Patchy Organization within the Superior Temporal Sulcus Multimodal Region.</b> <i>Beauchamp</i>	TU 198*
<b>Perception of Temporal Regularity In Auditory Stimuli.</b> <i>Bengtsson</i>	TU 199
<b>Neural network for processing upper and lower face.</b> <i>Benuzzi</i>	TU 200
<b>Role of precentral gyrus (BA6) in speechreading: an fMRI study on hearing Japanese subjects.</b> <i>Berthouze</i>	TU 201
<b>Cognitive Control of Pain: A common system for pain expectation and Placebo-Analgesia—A single trial fMRI study.</b> <i>Bingel</i>	TU 202
<b>A Parametric MEG Study of Early Visual Object Processing Dynamics.</b> <i>Boemio</i>	TU 203
<b>An fMRI and MEG Study of Harmonic Fusion.</b> <i>Boemio</i>	TU 204
<b>Time is of the Essence.</b> <i>Bramen</i>	TU 205
<b>Inhibition of auditory cortical responses to ipsilateral stimuli during dichotic listening: evidence from magnetoencephalography.</b> <i>Brancucci</i>	TU 206
<b>Get Closer to Disturb: a Magnetoencephalography Study on Short-Term Tactile Memory.</b> <i>Braun</i>	TU 207
<b>Distinct Pathways Involved in Sound Localisation of Still and Oscillating Acoustic Stimuli: A Human fMRI/MEG Study.</b> <i>Brunetti</i>	TU 208
<b>Influence of motion coherence on kinetic form discrimination: an fMRI and ERP study.</b> <i>Bucher</i>	TU 209
<b>Spatial Linear Systems Analysis of BOLD Responses in Visual Cortex.</b> <i>Buracas</i>	TU 210
<b>The fusiform face area is tuned for non-face head-shaped patterns with a greater number of elements in the upper visual field.</b> <i>Caldara</i>	TU 211
<b>Ventral premotor cortex involved in conscious perception.</b> <i>Christensen</i>	TU 212
<b>Predicting the sensory and affective consequences of pain-related action.</b> <i>Christian</i>	TU 213
<b>fMRI of Brightness Perception.</b> <i>Cornelissen</i>	TU 214
<b>Cortical interactions during visual short-term memory tasks: an event-related brain potential study.</b> <i>Cortese</i>	TU 215
<b>Efficient mapping of multiple attributes with fMRI and individual variation.</b> <i>Crewther</i>	TU 216
<b>Categorization and Object Shape: Behavioral Data and Global fMRI Analysis.</b> <i>Dahl</i>	TU 217
<b>Where action preparation impairs visual processing.</b> <i>Danielmeier</i>	TU 218

\* Oral presentation.

Left human auditory cortex is selectively involved in sequential grouping of sounds. <i>Deike</i>	TU 219
Topography of the secondary somatosensory cortex for electrical stimulation of the median and tibial nerve at non-painful and painful stimulus intensities: a BOLD contrast fMRI study. <i>Del Gratta</i>	TU 220
Identification of the cortical sources of the pattern-reversal VEP. <i>Di Russo</i>	TU 221
That's my hand! Activity in the premotor cortex reflects the sense of ownership of a limb. <i>Ehrsson</i>	TU 222*
Visual Categorization and Object Shape: ROI Analysis of fMRI Data. <i>Erb</i>	TU 223
Divergent responses of the hypothalamus and thermosensory network to warming and cooling of the skin. <i>Farrell</i>	TU 224
BOLD response in SI and SII elicited by electrical median nerve stimulation at different frequencies: an fMRI study. <i>Ferretti</i>	TU 225
Somatosensory/motor interactions identified by PCA. <i>Forsberg</i>	TU 226
Spinal fMRI of Noxious Cold Stimulation. <i>Frankenstein</i>	TU 227
Retinotopic fMRI mapping with pseudo-random stimulus presentation using the m-sequence paradigm. <i>Fukunaga</i>	TU 228
Adaptation causes horizontal shifts of contrast response curves in early human visual cortex: an event-related fMRI study. <i>Gardner</i>	TU 229
A developmental fMRI investigation of the neural correlates of object and face recognition. <i>Gathers</i>	TU 230
Cerebral activation using a MR-compatible piezoelectric actuator with exact adjustable vibratory frequencies. <i>Gizewski</i>	TU 231
Statistical analyses across aligned cortical hemispheres reveal high-resolution population maps of human visual cortex. <i>Goebel</i>	TU 232
Synchrony/asynchrony detection of real audiovisual words. <i>Gonzalo</i>	TU 233
Association of serotonin transporter promoter regulatory region polymorphism and visual processing of food. <i>Hämäläinen</i>	TU 234
The role of lateral HG in the analysis of temporal iteration and interaural correlation. <i>Hall</i>	TU 235
Blocking Sensation with Navigated Brain Stimulation. <i>Hannula</i>	TU 236
Extra-classical and predictive-coding effects measured with fMRI. <i>Harrison</i>	TU 237
Functional connectivity as evidenced by principal component analysis of event-related fMRI data in tactile object discrimination. <i>Hartmann</i>	TU 238
Human cortical responses to target discriminability during metacontrast masking. <i>Haynes</i>	TU 239
Brain plasticity and sensory substitution in human blindness: behavioral, fMRI and PET study. <i>Hervé</i>	TU 240
Sound tricks your visual cortex: An fMRI study of cross-modal sensory interactions. <i>Hirakata</i>	TU 241
Functional neuronal network subserving the hypersonic effect. <i>Honda</i>	TU 242
Cross-modal deactivations in sensory cortex are modulated by attention. <i>Hugenschmidt</i>	TU 243
Male and female voices activate distinct brain regions. <i>Hunter</i>	TU 244
Rhythm versus pitch and timbre perceptions in musicians and non-musicians for artistic music phrases. <i>Iida</i>	TU 245
Spatio-temporal imaging of the brain activities during the perception of 3-D structure from random dot motion: A combined MEG/fMRI study. <i>Iwaki</i>	TU 246
The visual area V4 and pop out search: an approach combining fMRI and neural network modeling. <i>Kölle</i>	TU 247
Working memory for manually explored object shapes: An event-related fMRI study. <i>Kaas</i>	TU 248
Neural substrates for processing visual scene and music: an fMRI study. <i>Kang</i>	TU 249
The role of the prefrontal cortex in the detection of color and luminance changes. <i>Kéri</i>	TU 250
In vivo visualization of axonal connectivity in high-order Human occipito-temporal cortex. <i>Kim</i>	TU 251
Multiple binding sites: evidence from EEG/fMRI study. <i>Knyazeva</i>	TU 252
Primary visual cortex activation along the apparent-motion trace is independent of attention. <i>Kohler</i>	TU 253
ERP correlates of facial adaptation. <i>Kovács</i>	TU 254
Is there a face-exemplar representation in human anterior inferotemporal cortex? <i>Kriegeskorte</i>	TU 255
Cross-modal interaction between pain-related and saccade-related cerebral activation: an event-related fMRI study. <i>Kurata</i>	TU 256
Repetitive transcranial magnetic stimulation of the cerebellum changes time perception. <i>Lee</i>	TU 257
fMRI delineates asymmetrical representation of nasotemporal visual hemifields in human cortex—a neural substrate for functional lateralization in the visual system? <i>Lie</i>	TU 258
Studies of Forced and Non-forced Chinese Meditation by Using Functional Magnetic Resonance Imaging. <i>Liou</i>	TU 259
Overlapping neural networks for intensity coding of taste, smell, and flavor. <i>Mak</i>	TU 260
The Deutsch illusion: reloaded. <i>Mathiak</i>	TU 261

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\* Oral presentation.



Non-retinal coordinate system in human object related areas. <i>McKayton</i>	TU 262
Topographic organization of the direction of visual motion in human extrastriate cortex. <i>Mercier</i>	TU 263
fMRI activation accompanying rapid eye movements during REM sleep. <i>Miyauchi</i>	TU 264
Neural correlates of motion perception in the human visual brain. <i>Moutoussis</i>	TU 265
Apparent Rotation: fMRI-Adaptation of the Illusory Rotation Path. <i>Muckli</i>	TU 266
Grabbing Your Ear: Auditory-Somatosensory Multisensory Interactions in Humans Violate the ‘Spatial Rule’. <i>Murray</i>	TU 267
Integration and segregation of multisensory inputs when humans perceive limb movements. <i>Naito</i>	TU 268
Effects of Electroacupuncture vs. Manual Acupuncture on the Human Brain as Measured by fMRI. <i>Napadow</i>	TU 269
Mapping gender differences in brain activity while listening to music excerpts characterized by tonality and saliency. <i>Nardo</i>	TU 270
Brain activity in duration discrimination: Topography and dynamics of its EEG and MEG correlates. <i>N’Diaye</i>	TU 271
Muscle but not Skin Stimulation Activates Lateral and Medial Premotor Areas—A High-Resolution SEP study. <i>Niddam</i>	TU 272
The contribution of sensory feedback to sensorimotor cortex fMRI activation. <i>Nirkko</i>	TU 273
Inter-individual differences in pain processing. <i>Nirkko</i>	TU 274
Isolated cortical areas responsible for the perception of second-order motion. <i>Noguchi</i>	TU 275
Involvement of the basal ganglia in “automatic” processing of tactile temporal discrimination: An fMRI study. <i>Pastor</i>	TU 276
Response Properties of Motion Sensitive Areas as Measured by fMRI. <i>Pauls</i>	TU 277
Primary auditory cortex activation by visual speech. <i>Pekkola</i>	TU 278
MEG Recordings of Responses to Visual Altitudinal Stimuli Evidence Powerful Contributions of Striate Cortex on Signal Genesis. <i>Perfetti</i>	TU 279
Dissociating BOLD signal amplitude and latency according to stimulus or process. <i>Pernet</i>	TU 280
Synchronous and asynchronous tactile coactivation differentially affect human somatosensory cortical organisation and tactile discrimination performance. <i>Pilz</i>	TU 281
Centre-surround interactions in the visual cortex measured with fMRI. <i>Pisani</i>	TU 282
A new retinotopic area in the human parietal occipital sulcus. <i>Pitzalis</i>	TU 283
The influence of heat pain stimulation on median somatosensory evoked potentials. <i>Poláček</i>	TU 284
Autonomic Awareness: Neural Activity during the Perception of Cardiovascular Stimuli. <i>Pollatos</i>	TU 285
Effects of hypnosis and depersonalisation on pain perception studied with fMRI. <i>Röder</i>	TU 286
rTMS elicits tactile discrimination improvement and parallel plastic reorganization in human SI. <i>Ragert</i>	TU 287*
Analysis of Multisensory Interactions in Functional Brain Imaging Data. <i>Raij</i>	TU 288
Functional brain imaging of directional hearing trials in healthy volunteers. <i>Ralf</i>	TU 289
Common patterns for the processing of time and frequency information: New evidence from fMRI. <i>Reiterer</i>	TU 290
The perception of horizontal apparent motion is accompanied by increased oscillatory coupling of the two hemispheres. <i>Rose</i>	TU 291*
When Maggy Becomes Marilyn: Neural Correlates of Physical and Categorical Aspects of Face Identity. <i>Rotshtein</i>	TU 292*
Is there a differential interaction of BOLD responses to simultaneous finger stimulation in subareas of human primary somatosensory cortex? <i>Ruben</i>	TU 293
Sexual dimorphism in auditory processing revealed by PET. <i>Ruytjens</i>	TU 294
Imaging the Effects of Controllability on the Neural Response to Painful Stimulation. <i>Salomons</i>	TU 295
Differences in the temporal structure of laughing and crying influence neural activity of human auditory cortex—an fMRI study. <i>Sander</i>	TU 296
Functional Imaging of human somatosensory afferent sites. <i>Sandoval</i>	TU 297
Activation of posterior auditory belt area by vibrotactile stimuli. <i>Schürmann</i>	TU 298
fMRI responses to the processing of motion and texture contours in early visual cortex. <i>Schira</i>	TU 299
Perceptual learning in primary visual cortex revealed by evoked potentials and source localization. <i>Schwartz</i>	TU 300
Audio-video crossmodal semantic recognition: An fMRI investigation. <i>Sestieri</i>	TU 301
A Case Report of Adverse Events in a Functional MRI Pain Study. <i>Shen</i>	TU 302
Visual to motor selectivity gradient within the object manipulation areas in the parietal cortex. <i>Shmoelof</i>	TU 303
Acupuncture using a novel 8-Channel Laserneedle-System: An fMRI-Study. <i>Siedentopf</i>	TU 304

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\* Oral presentation.

Experience-dependent neural integration of taste and smell in humans. <i>Simmons</i>	TU 305
Sex differences in the neural correlates of tasting chocolate. <i>Smeets</i>	TU 306
Sensitivity of human visual areas MT and MST to optic flow stimuli. <i>Smith</i>	TU 307
When a sound becomes a word. <i>Specht</i>	TU 308
Frequency Dependent Visually Driven Activation in Frontal Cortex. <i>Srinivasan</i>	TU 309
Post-stimulus rebound of 16–24 Hz cortical oscillations differentiates painful and non-painful intracutaneous stimuli. <i>Stancak</i>	TU 310
Effect of finger webbing on finger cortical representation as revealed by magnetoencephalography: evidence for short-term plasticity in humans. <i>Stavrinou</i>	TU 311
Activity of the luminance-sensitive area in the human parieto-occipital sulcus during voluntary blinks and saccades. <i>Stenbacka</i>	TU 312
BOLD responses to galvanic vestibular stimulation with alternating currents at different frequencies. <i>Stephan</i>	TU 313
fMRI Activations of FEF, PEF and MT/V5 during Saccades, Smooth Pursuit and Optokinetic Nystagmus (OKN). <i>Stephan</i>	TU 314
Interneuronal systems of the cervical spinal cord assessed with BOLD-imaging at 15T. <i>Stracke</i>	TU 315
Temporal frequency dominance domains in human primary visual cortex: a high resolution fMRI study. <i>Sun</i>	TU 316
Semantic processing of environmental sounds: a 3 Tesla Silent Event-Related fMRI study of passive listening to non-verbal, environmental sounds and meaningless control stimuli. <i>Tüscher</i>	TU 317
Figure presentation by rerandomized random dots dominantly activates right hemisphere. <i>Terasaki</i>	TU 318
Response of human secondary somatosensory cortex to painful and non-painful electrical stimulation. <i>Torquati</i>	TU 319
Motion versus orientation discrimination in healthy subjects: involvement of a stimulus-independent brain network. <i>Tost</i>	TU 320
Temporal constraints on the cross-modal integration of letters and speech sounds. <i>van Atteveldt</i>	TU 321
Comparisons between macaque and human cortical partitioning schemes using surface-based registration. <i>Van Essen</i>	TU 322
Perception of optic and tactile flow both activate V5/MT cortical complex in the human brain. <i>Vanello</i>	TU 323
Pattern-Motion Selectivity in the Human Pulvinar: a PET Study. <i>Villeneuve</i>	TU 324
Lateralisation of visual responses resulting from pattern onset and pattern reversal hemifield stimulation as measured by fMRI and VEPs. <i>von dem Hagen</i>	TU 325
Pain evoked potentials are differently gated during left- or right-hand isometric muscle contraction. <i>Vrána</i>	TU 326
The percept of apparent motion alters early components of the classical visual evoked potential. <i>Wibral</i>	TU 327
Temporal dynamics in the attentional modulation of pain. <i>Wiech</i>	TU 328
Activation of fusiform gyrus to masked neutral faces at brief (10–60 ms) durations. <i>Wiens</i>	TU 329
The emergence of strategic control over interfering subliminal information. <i>Wolbers</i>	TU 330
Cortical substrates underlying enhancement in tactile spatial acuity (TSA) in one hand by acute deafferentation of the other hand. <i>Wu</i>	TU 331
Neural substrates of the path and manner of movement. <i>Wu</i>	TU 332
Tasks activating somatosensory and motor regions: a PET meta-analysis. <i>Young</i>	TU 333
Hand cortical representation at rest and during activation: gender and age effects in the two hemispheres. <i>Zappasodi</i>	TU 334
Combining fMRI and TMS to assess the functional role of the blind's occipital cortex in verbal tasks. <i>Amedi</i>	TU 335
A psychoacoustic and fMRI investigation of auditory temporal processing in schizophrenia. <i>Budd</i>	TU 336
Action Perception in the Patient with Blindsight. <i>Cheng</i>	TU 337
The neural substrates of phantom limbs: An fMRI study. <i>Christmann</i>	TU 338
Abnormal face-sensitive responses in occipito-temporal cortex during childhood prosopagnosia. <i>de Heering</i>	TU 339
Hypnotic modulation of the neural signature of fibromyalgia and acute thermal pain. <i>Derbyshire</i>	TU 340
Cerebral Structural Changes Following Unilateral Limb Amputations. <i>Draganski</i>	TU 341
Brain Structural Abnormalities and their Symptom Correlates in Fibromyalgia Syndrome. <i>Glabus</i>	TU 342
More is better: Superior auditory localization performance is correlated to visual cortex activation in early blind individuals. <i>Gougoux</i>	TU 343
Neural response to pain in schizophrenia patients: 3 T fMRI pilot study. <i>Graff-Guerrero</i>	TU 344
Mechanisms whereby precision spectral filters reduce visual stress: an fMRI study. <i>Huang</i>	TU 345
Differential structural and functional brain analysis in Persistent Vegetative State using voxel-based morphometry and registered 18-FDG PET. <i>Juengling</i>	TU 346
Preoperative glucose metabolism predicts rehabilitation of speech perception after cochlear implantation. <i>Kang</i>	TU 347

The NMDA receptor antagonist memantine reduces both phantom limb pain and cortical reorganization in unilateral extremity amputees. <i>Koeppe</i>	TU 348
Vision deficit-related acupoints in stable visual deficit stroke patients: an fMRI study. <i>Li</i>	TU 349
Characteristics of Middle Latency Auditory Evoked Fields in Sudden Hearing Loss. <i>Li</i>	TU 350
Disorders of Somatosensory Cortical Organization in Children With Autistic Spectrum Disorder. <i>McGonigle</i>	TU 352
Loss of visual cortex in amblyopia correlates with perception. <i>Mendola</i>	TU 353
Neural basis of genetically determined visuospatial construction deficit in Williams syndrome. <i>Meyer-Lindenberg</i>	TU 354
Prediction of treatment response in major depression: The relationship between the serotonin-related LDAEP and the unspecific prediction related to anterior cingulate cortex activity. <i>Mulert</i>	TU 355
Loudness dependence of the primary auditory cortex as an indicator of central serotonergic transmission: Combination of EEG and fMRI. <i>Mulert</i>	TU 356
Auditory selective attention measured from human electrocorticograms. <i>Neelon</i>	TU 357
Abnormal Imitation-Related Cortical Activation Sequences in Asperger Syndrome. <i>Nishitani</i>	TU 358
Functional neuroanatomy of early visual areas in Williams syndrome. <i>Olsen</i>	TU 359
Cortical representation of mechanical allodynia: An fMRI study of 27 patients. <i>Peyron</i>	TU 360
Representational changes in primary (SI) and secondary somatosensory cortex (SII) are linked to persistent pain and tactile discrimination in the Complex Regional Pain Syndrome type I (CRPS I). <i>Pleger</i>	TU 361
Auditory motion processing in early blind subjects: fMRI study. <i>Poirier</i>	TU 362
Directional hearing and functional imaging in schizophrenia. <i>Ralf</i>	TU 363
Visual cortex activation in early blind and sighted subjects using an auditory visual substitution device to perceive depth. <i>Renier</i>	TU 364
Does the 'fusiform face area' contribute to the face-sensitive N170? A double dissociation between electrophysiological and neuroimaging responses to faces in brain-damaged prosopagnosic patients. <i>Rossion</i>	TU 365
Do face-sensitive responses in the occipital inferior cortex of normal humans arise from inputs coming from the fusiform gyrus? Evidence from neuroimaging studies of brain-damaged prosopagnosic patient. <i>Schiltz</i>	TU 366
Neuroimaging studies of a brain-damaged prosopagnosic patient reveal a critical role of the right fusiform gyrus in individual face discrimination. <i>Schiltz</i>	TU 367
Differences in a visuo-acoustic fMRI paradigm after long-term clozapine treatment compared to typical neuroleptics in chronic schizophrenia. <i>Schmitt</i>	TU 368
Functional neuroanatomy of the visual system in a prosopagnosic. <i>Sorger</i>	TU 369
Localization of cortical brain damage in patients with Global Motion (GM) and Form-from-Motion (FFM) Blindness. <i>SPINELLI</i>	TU 370
FDG-PET in episodic cluster headache: changes between cluster and remission phase. <i>Sprenger</i>	TU 371
EEG coherence abnormalities during auditory hallucinations in schizophrenia. <i>Sritharan</i>	TU 372
Size of somatosensory hand representation correlates with degree of congenital adactylia. <i>Stoeckel</i>	TU 373
Visual motion processing dysfunction in schizophrenia: a "bottom up" or "top down" deficit? <i>Tost</i>	TU 374
Visual field restitution in hemianopia, neuromagnetic evidence. <i>Vanni</i>	TU 375
Structural changes in the occipital lobe of humans with albinism detected by voxel-based morphometry. <i>von dem Hagen</i>	TU 376
Lesion analysis in high-resolution MR-images of patients with unilateral tactile agnosia using cytoarchitectonic mapping. <i>Weder</i>	TU 377
Spectro-temporal neuromagnetic and hemodynamic correlates of impaired P50 suppression in schizophrenia. <i>Mathiak</i>	TU 378

### Motor Behavior

Wednesday, June 16 11:00–12:00 (Odd—WE 1–WE 121)  
15:00–16:00 (Even—WE 1–WE 121)  
18:00–19:00 (All—WE 1–WE 121)

Neural correlates of spontaneous phase transition in bimanual finger tapping. <i>Aramaki</i>	WE 1
Enhanced accuracy of mirror tracing during rTMS-induced proprioceptive deafferentation. <i>Balslev</i>	WE 2
Separate representation of supramodal semantic categorization and polymodal semantic processing of actions in the left frontal lobe. <i>Baumgaertner</i>	WE 3
Integration of gaze position with finger movements in human brain. <i>Bedard</i>	WE 4

<b>Ipsilateral cerebellar control in grip force—load force coupling.</b> <i>Boecker</i>	WE 5
<b>An fMRI Investigation of the Neural Bases of Sequential Organization in Speech Production.</b> <i>Bohland</i>	WE 6
<b>fMRI Evidence for Developmental Changes in Motor Response Inhibition.</b> <i>Boyce</i>	WE 7
<b>Modulation of alpha rhythms during anticipatory sensorimotor interactions induced by pain and motor task.</b> <i>Brancucci</i>	WE 8
<b>EEG coherence during anticipatory sensorimotor interactions.</b> <i>Brancucci</i>	WE 9
<b>Imagination and observation of writing—an ER-fMRI study.</b> <i>Castrop</i>	WE 10
<b>Role of M1 and SMA in the control of low fingertip forces with precision constraints: An fMRI study.</b> <i>Cécile</i>	WE 11
<b>Movement Selection in the Lentiform Nucleus.</b> <i>de Jong</i>	WE 12
<b>Anticipatory sensorimotor interactions during the expectancy of go/nogo task and somatosensory stimulation.</b> <i>Del Percio</i>	WE 13
<b>How the human brain learns new adapted movements.</b> <i>Doyon</i>	WE 14
<b>Analysis of Reproducibility and Training Effects in Resting State Motor Networks.</b> <i>Duff</i>	WE 15
<b>Structural Neural Correlates of Prosaccade and Antisaccade Eye Movements.</b> <i>Ettinger</i>	WE 16
<b>Whole-brain and regional activations in fMRI: session effects in a simple motor task.</b> <i>Fesl</i>	WE 17
<b>Preliminary results on the role of basal ganglia in manipulation of finger sequence timing versus order.</b> <i>Garraux</i>	WE 18
<b>Modulatory effects on human sensorimotor cortex activation by whole-hand afferent electrical stimulation.</b> <i>Golaszewski</i>	WE 19
<b>Some observations on serial speech timing.</b> <i>Gracco</i>	WE 20
<b>Visuomotor Coordinate Transformation in Human Medial Intraparietal Cortex.</b> <i>Grefkes</i>	WE 21
<b>Execution and imagery of finger and lower face movement represented in the precentral gyrus.</b> <i>Hanakawa</i>	WE 22
<b>Accuracy of Navigated Brain Stimulation (NBS).</b> <i>Hannula</i>	WE 23
<b>Reduced recruitment of motor association areas during bimanual coordination in concert pianists.</b> <i>Haslinger</i>	WE 24
<b>Inter-session reliability of fMRI at different significance levels for a motor paradigm.</b> <i>Havel</i>	WE 25
<b>Neural substrates of learned abstract motor sequence: a high-field fMRI study.</b> <i>Hirata</i>	WE 26
<b>Somatotopic mapping of dorsal premotor cortex using sequential pointing.</b> <i>Hlustik</i>	WE 27
<b>The role of the frontopolar cortex in movement in children: a study with a wearable NIRS monitoring system.</b> <i>Hoshi</i>	WE 28
<b>Neural networks involved in stop-signal inhibition.</b> <i>Hughes</i>	WE 29
<b>‘To move or not to move’: Neural correlates of controlling learned motor behavior.</b> <i>Hummel</i>	WE 30
<b>Degree of handedness in healthy right-handers: effect on motor activation in fMRI.</b> <i>Ilmberger</i>	WE 31
<b>Cortical correlates for recognition of object gravitational motion.</b> <i>Indovina</i>	WE 32
<b>Task-related changes in cortical oscillations during sustained visuomotor coordination in MEG.</b> <i>Jerbi</i>	WE 33
<b>Functional Anatomy of the Observation and Imagination of Unimanual and Bimanual Actions.</b> <i>Kingsley</i>	WE 34
<b>Activation of brain motor areas in right- and left-handers: an fMRI study.</b> <i>Koritnik</i>	WE 35
<b>The whole picture and the details: fMRI-brain mapping of voluntary sphincter contraction revealed by Independent Component Analysis (ICA).</b> <i>Kowalski</i>	WE 36
<b>Differences in local and transcallosal effects of 1 Hz rTMS during simple motor behaviour.</b> <i>Lee</i>	WE 37
<b>Frequency and complexity dependence of subthalamic nucleus activation using fMRI.</b> <i>Lehericy</i>	WE 38
<b>Modulation of behavior and cerebral fMRI activation after serotonin enhancer chronic versus acute effects.</b> <i>LOUBINOX</i>	WE 39
<b>Observation and simultaneous imitation of bilateral, complex hand movement—investigation of cerebral motor networks using fMRI.</b> <i>Mair</i>	WE 40
<b>Involvement of anterior cingulate and motor cortices in error observation: An ERP study.</b> <i>Mars</i>	WE 41
<b>Insular and opercular activation in swallowing revealed by positron emission tomography.</b> <i>MOMOSE</i>	WE 42
<b>Variability of Hemodynamic Responses in Cortical Motor Networks.</b> <i>Mosier</i>	WE 43
<b>Left Inferior Parietal Dominance in Gesture Imitation: an fMRI Study.</b> <i>Muhlau</i>	WE 44
<b>Correlation of the BOLD-response with the velocity of smooth pursuit eye movements with and without target blanking in specific cortical areas.</b> <i>Nagel</i>	WE 45
<b>The Neuronal System for Motor Sequencing by Auditory Guidance—An fMRI Study.</b> <i>Nakai</i>	WE 46
<b>Correlations between saccade latencies and the BOLD signal in oculomotor areas: an event related fMRI study using the GAP paradigm.</b> <i>Neggers</i>	WE 47

Exploring cortical activity during everyday tasks: Multimodal assessment of cortical activation during apple peeling by NIRS and fMRI. <i>Okamoto</i>	WE 48
Widespread suppression of regional synaptic activity in frontal areas during low-frequency rTMS of the left rostral dorsal premotor cortex. <i>Peller</i>	WE 49
The Oscillatory Network of Simple Auditorily Paced Finger Movements. <i>Pollok</i>	WE 50
Short Term Plasticity in the Sensorimotor System—What EEG-Waveforms tell about the Chronology of Motor Learning. <i>Praeg</i>	WE 51
Comparing cortico-cerebellar organisation in human and macaque brains: An in-vivo diffusion imaging study. <i>Ramnani</i>	WE 52
The organisation of prefrontal projections to the cerebellum in the human brain: An in-vivo diffusion imaging study. <i>Ramnani</i>	WE 53
Reliability of contra- and ipsilateral activations in a simple motor task: an fMRI study. <i>Rau</i>	WE 54
A Low-Cost MRI Compatible Computer Mouse. <i>Richter</i>	WE 55
Frequency-specific changes in regional cerebral blood flow and motor system connectivity following rTMS over the primary motor cortex. <i>Rounis</i>	WE 56
The Effect of 5 Hz-rTMS over the left dorsal Premotor cortex on regional Cerebral Blood Flow: a comparison between two patterns of stimulation. <i>Rounis</i>	WE 57
Neural mechanisms of imitating meaningful and meaningless actions. <i>Rumiati</i>	WE 58
Reproducibility of the functional anatomy of motor imagery. <i>Schaal</i>	WE 59
Does Brain Anatomy Predict Musicianship? <i>Schlaug</i>	WE 60
Overlapping neural representation in the control of lingual and hand movements. <i>Schwartz</i>	WE 61
Self action monitoring during grasping objects. <i>Shikata</i>	WE 62
Cerebellar Volumes of Symphony Orchestra Musicians: Effects of Sex and Instrumental Group. <i>Sluming</i>	WE 63
Changes of motor cortex excitability after electrical whole hand stimulation. <i>Stephan</i>	WE 64
Functional connectivity of cortical networks involved in motor sequence learning. <i>Sun</i>	WE 65
Muscular fatigue: interhemispheric differences of hand motor cortex reorganization assessed by MEG-EMG cortico-muscular coherence. <i>Tecchio</i>	WE 66
Limb posture determines use-dependent motor cortical plasticity. <i>Toma</i>	WE 67
A Neural Mechanism for Speech Motor Control: Evidence for Efference Copy. <i>Tremblay</i>	WE 68
The dorsal premotor cortex integrates the information of external cues in the volitional selection of movements. <i>van Eimeren</i>	WE 69
Envisaging a simple finger movement: an fMRI study. <i>Vezzadini</i>	WE 70
In vivo structure-function studies of primary motor, premotor and somatosensory areas using high-resolution structural MR imaging. <i>Walters</i>	WE 71*
Bilateral involvement of anterior parietal cortex in on-line adjustments of movement amplitude during open-loop handwriting. <i>Weiss</i>	WE 72
Time-resolved functional MRI in self-initiated and externally triggered movements. <i>Wiese</i>	WE 73
Trained motor significances override attentional modulation of lateral premotor cortex—an fMRI study. <i>Wolfensteller</i>	WE 74
Changes in Motor Cortex Excitability During Played Korean Classic Rhythm in Normal Subjects. <i>Yoo</i>	WE 75
In vivo mapping of cortical sensorimotor tracts in the human internal capsule. <i>Zarei</i>	WE 76
An fMRI study at 3 T of a cortical network involved in visuomotor integration. <i>Zito</i>	WE 77
Functional MRI for Parkinson's patients with deep brain stimulation. <i>Arantes</i>	WE 78
Methodology for fMRI in patients with Parkinson's disease with DBS. <i>Arantes</i>	WE 79
The difference of oscillatory change during hand grasping between in motor area and in sensory area. <i>Baba</i>	WE 80
In-Depth Analysis of Sustained Basal Ganglia Activity in Focal Hand Dystonic Patients After Motor Task Repetition. <i>Blood</i>	WE 81
Enhanced cortical reorganization in upper limb stroke after constraint-induced movement therapy: fMRI evidence. <i>Boghi</i>	WE 82
A randomised trial of Botulinum toxin A and upper limb training in children with congenital hemiplegia: A serial fMRI study. <i>Boyd</i>	WE 83
Relationship between hemisphere activation balance and motor outcome after subcortical stroke. <i>Calautti</i>	WE 84
Motor impairment and recovery in the upper limb after stroke: behavioral and neuroanatomical correlates. <i>Carey</i>	WE 85
Brain structures underlying sensorimotor synchronization externally and internally guided: comparison between healthy and Parkinson's disease groups. <i>Cerasa</i>	WE 86

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\* Oral presentation.

Dynamics and localization of cortical substrates of akinesia in Parkinson's disease: an MEG study. <i>Cojan</i>	WE 87
Increased activation of the supplementary motor area with attention to action in Parkinson's disease: a study of event-related fMRI. <i>Cunnington</i>	WE 88
Brain activation patterns in epsilon-sarcoglycan mutation positive myoclonus dystonia during motor tasks (fMRI study). <i>Deutschlander</i>	WE 89
Daytime activity in schizophrenia correlates with volume of left cingulate gyrus. <i>Farrow</i>	WE 90
Regional gray matter volume loss after upper limb amputation. <i>Gaser</i>	WE 91
Subthalamic stimulation in Parkinson's disease modulates motor cortex. <i>Haslinger</i>	WE 92
Preoperative fMRI and intraoperative cortical stimulation for the planning of minimal destructive neurosurgery. <i>Huttary</i>	WE 93
Brain SPECT Image Analysis in Parkinson's Disease and Essential Tremor using K-SPAM; Comparison with SPM Analysis. <i>Hwang</i>	WE 94
Motor timing in Parkinson's disease and the effect of apomorphine studied with PET. <i>Jones</i>	WE 95
Functional MRI during recovery from complete and incomplete spinal cord injury. <i>Jurkiewicz</i>	WE 96
Differential diagnosis between Parkinson's disease and Parkinsonian syndromes with 99mTc trodat spect. <i>Kanyó</i>	WE 97
Dopamine transporter examination in essential tremor with 99mTc-trodat spect. <i>Kanyó</i>	WE 98
123I-Iodobenzamide SPECT investigations in Parkinsonism. <i>Kanyó</i>	WE 99
Voxel-based morphometry in amyotrophic lateral sclerosis. <i>Kassubek</i>	WE 100
Reproducibility of result patterns in two independent voxel-based morphometry studies in patients suffering from Huntington's Disease. <i>Kassubek</i>	WE 101
Facilitative effect of high frequency rTMS on sequential motor learning in hemiparetic patients. <i>Kim</i>	WE 102
Clinical relevance of fMRI in patients with tumors of the medial frontal lobe: an fMRI study of the SMA Syndrome. <i>Krainik</i>	WE 103
Impaired Cerebrovascular Reactivity and BOLD Contrast in Post-Stroke Patients. <i>Krainik</i>	WE 104
Functional reorganization of motor related areas in patients with tumors of the medial frontal lobe. <i>Krainik</i>	WE 105
An fMRI study of sensory-deficit related acupoints in stable stroke patients with persistent sensory deficits. <i>Li</i>	WE 106
Cerebellar activity ipsilateral to passive paretic hand movements is related to degree of arm motor function in chronic stroke patients. <i>Lindberg</i>	WE 107
Motor-Cortical Activity in Spinal Cord Injury: pattern of EEG reactivity during no overt movement. <i>Mattia</i>	WE 108
Functional improvement of finger movements with cerebral palsy and the structural plasticity in the primary motor area. <i>Okoshi</i>	WE 109
Does an altered pattern of cortical activations in patients at presentation with clinically isolated syndromes suggestive of MS influence subsequent evolution to definite MS? <i>Rocca</i>	WE 110
Does cortical adaptation change with disease evolution in MS? A functional MRI study of patients with different disease phenotypes. <i>Rocca</i>	WE 111
Single subject analysis in diffusion tensor imaging: Individual results of patients with bulbar amyotrophic lateral sclerosis. <i>Sach</i>	WE 112
Central nervous system impairments in chronic fatigue syndrome. <i>Siemionow</i>	WE 113
Possible Role of the Unimpaired Hand in Motor Recovery after Stroke. <i>Solodkin</i>	WE 114
TMS and MEG Characterization of fMRI Motor Activation Sites in Patients with Early Brain Lesions. <i>Staudt</i>	WE 115
Effect of Lesion Location on Cortical Recovery Pattern in Hemiparetic Stroke Patients. <i>Sung-Ho</i>	WE 116
Reduced functional connectivity between caudate nucleus and prefrontal area 10 during visuo-motor performance. <i>Turner</i>	WE 117
Cortical reorganization in stress urinary incontinence after biofeedback training. <i>Veit</i>	WE 118
Recovery related changes in passive movement induced brain activation after subcortical stroke. <i>Ward</i>	WE 119
Enhanced movement-related potentials over the intact hemisphere indicate poor clinical outcome after hemiparetic stroke. <i>Wiese</i>	WE 120
Clinical application of functional MRI in neurosurgery. <i>Zaman</i>	WE 121

### Modeling & Analysis

Wednesday, June 16 11:00–12:00 (Odd—WE 122–WE 395)  
15:00–16:00 (Even—WE 122–WE 395)  
18:00–19:00 (All—WE 122–WE 395)

An assisted data-driven procedure to select functionally connected brain regions in fMRI. <i>Bellec</i>	WE 122
Statistical Analysis of Simultaneous EEG-fMRI Data. <i>Purkayastha</i>	WE 123

Investigating directed influences between activated brain areas in fMRI in a motor-response task. <i>Abler</i>	WE 124
Fully automatic lobe delineation for regional lesion load quantification in large a scale study. <i>Admiraal-Behloul</i>	WE 125
Application of Coherence Spectra to fMRI Connectivity Studies. <i>Andrade</i>	WE 126
Segmentation by Integrating Intensity-based Classification and Template Matching. <i>Ashburner</i>	WE 127
Full Bayesian Analysis of the MEG Inverse Problem with lp-norm Priors. <i>Auranen</i>	WE 128
Multimodal Integration Of EEG And fMRI For The Estimation Of The Cortical Connectivity During A Finger Tapping Movement. <i>Babiloni</i>	WE 129
The feasibility of real-time functional MRI analysis using computational grids. <i>Bagarinao</i>	WE 130
A new technique for simultaneous study of physiological arousal and brain imaging. <i>Barton</i>	WE 131
Multimodal fusion methodology applied to a categorisation task. <i>Basan</i>	WE 132
Tensorial extensions to Independent Component Analysis for Multi-Subject/Session FMRI data. <i>Beckmann</i>	WE 133
Reordering diffusion-based connectivity matrices to define anatomical networks in the human brain. <i>Behrens</i>	WE 134
A new Algorithm for Detection of Coherent Brain Areas working with MEG data. <i>Belardinelli</i>	WE 135
Calibrating BOLD fMRI Response Latencies Using Gd-DTPA Bolus Washout Dynamics. <i>Birn</i>	WE 136*
When is a conjunction not a conjunction? <i>Brett</i>	WE 137
Component-Wise Model of the BOLD Response in the Human Primary Visual Cortex. <i>Buneci</i>	WE 138
fMRI Analysis with the General Linear Model: Removal of Latency-Induced Amplitude Bias by Incorporation of Hemodynamic Derivative Terms. <i>Calhoun</i>	WE 139
Modeling the structure of the visual system based on structural connectivity and spike onset data. <i>Capalbo</i>	WE 140
Evaluation of human cortical sites underlying International 10–10 System scalp electrodes: An MRI study. <i>Carducci</i>	WE 141
Content-Based Retrieval of Structural MRI. <i>Carley-Spencer</i>	WE 142
Functional Connectivity Excluding Extreme-Low-Frequency: A BOLD fMRI study. <i>Chen</i>	WE 143
Mutual information based approach for detecting cortical connectivity during self-paced finger lifting tasks. <i>Chen</i>	WE 144
Gaussian Convolution Model of the BOLD response of functional MRI. <i>Chen</i>	WE 145
Comparison of Activation Detection Methods for fMRI using ROC Curves. <i>Chen</i>	WE 146
Detection of cortical activity asymmetries from non invasive EEG recordings for Brain Computer Interface applications. <i>Cincotti</i>	WE 147
A Permutation Multiple Hypothesis Procedure based on the Weighted Sum of Test-Statistics. <i>Congedo</i>	WE 148
Investigating the Reliability of ICA Sources Obtained After PCA Preprocessing. <i>Cordes</i>	WE 149
A (Sort of) New Image Data Format Standard: NIFTI-1. <i>Cox</i>	WE 150
Mapping of binding parameters in the human brain using artificial neural network based noise attenuation. <i>Cselényi</i>	WE 151
EEG/MEG data-driven cortex parcelling. <i>Daunizeau</i>	WE 152
Modelling event-related potentials in cortical hierarchies. <i>David</i>	WE 153
3D Structural Parcellation of the Human Cerebral Cortex Using in vivo high-resolution MR Images. <i>Davies</i>	WE 154*
Verifying the use of Non-parametric Statistics for fMRI Analyses. <i>De Mazière</i>	WE 155
Conditional Granger Causality for Exploratory Connectivity Analysis of fMRI data. <i>Deleus</i>	WE 156
Neuronal activity vs. fMRI: estimation of the Balloon Model parameters using extended Kalman filter. <i>Deneux</i>	WE 157
An automated processing pipeline for anatomical and functional MRI data. <i>Dias</i>	WE 158
Applying the Target Field Method to Transcranial Magnetic Stimulation Coil Design. <i>Dodd</i>	WE 159
How functional connectivity is influenced by physiology. <i>Dodel</i>	WE 160*
Bold single-trial variability and model selection. <i>Donnet</i>	WE 161
fMRI simulation and its application in modelling the interaction of motion and B0-inhomogeneities. <i>Drobnjak</i>	WE 162
Consistent task-related BOLD activity during simultaneous EEG/fMRI recording. <i>Duann</i>	WE 163
Guessing the Sex from the Shapes of Cortical Folds. <i>Duchesnay</i>	WE 164*
Convulsive ICA (c-ICA) captures complex spatio-temporal EEG activity. <i>Dyrholm</i>	WE 165
Whole head measurement NIRS system. <i>Eda</i>	WE 166
A new SPM toolbox for the combined analysis of fMRI data and probabilistic cytoarchitectonic maps. <i>Eickhoff</i>	WE 167

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\* Oral presentation.

<b>Functional Correlation Index: a useful parameter for characterizing functional correlation.</b> <i>Emri</i>	WE 168
<b>EEG/EOG—fMRI Cold head artifact removal.</b> <i>Featherstone</i>	WE 169
<b>Multi-subject anatomo-functional classification for activation studies.</b> <i>Flandin</i>	WE 170
<b>Classification of fMRI-independent components in a multidimensional feature space using least-square support vector machines.</b> <i>Formisano</i>	WE 171
<b>Insights into Multi-Site fMRI Repeatability: Scanner Differences in Sensitivity and Spatial Smoothness.</b> <i>Friedman</i>	WE 172
<b>SNR-limited Confidence Ranges of Dipole Source Reconstructions.</b> <i>Fuchs</i>	WE 173
<b>An XML-based Data Access Interface for Image Analysis and Visualization Software.</b> <i>Gadde</i>	WE 174
<b>Innovation approach to extracting connectivity information from fMRI time series.</b> <i>Galka</i>	WE 175
<b>TurboFIRE: Real-Time fMRI with Automated Selection of Regions for ROI-Analysis based on Standardized Neuro-Anatomical Atlas.</b> <i>Gao</i>	WE 176
<b>TurboFIRE: Real-Time fMRI with Online Generation of Reference Vectors.</b> <i>Gao</i>	WE 177
<b>Low-frequency coherent fluctuations in BOLD activity : a preliminary report.</b> <i>Garraux</i>	WE 178
<b>BOLD contrast signal history contribution to the auditory cortex functional connectivity in resting state fMRI data.</b> <i>Gavrilescu</i>	WE 179
<b>The reproducibility of frequency content and signal history contributions to functional connectivity in fMRI data acquired during an orthographic lexical retrieval task.</b> <i>Gavrilescu</i>	WE 180
<b>Influence of fMRI Smoothing Procedures on Replicability of Fine Scale Motor Localization.</b> <i>Geissler</i>	WE 181
<b>Spatial semivariance analysis of fMRI data.</b> <i>Gel</i>	WE 182
<b>Repeatability of Brain Tissue Volume Quantification using Magnetic Resonance Images.</b> <i>Gispert</i>	WE 183
<b>Asymmetry Analysis Along Cingulum Using Diffusion Tensor Imaging.</b> <i>Gong</i>	WE 184
<b>Application of Voxel-Based Group Analysis in a small group of former professional deep-sea divers.</b> <i>Grüner</i>	WE 185
<b>Evaluation of fMRI Sensitivity Across Multiple Sites.</b> <i>Greve</i>	WE 186
<b>Spatial distribution of the respiratory component of the fMRI magnitude and phase.</b> <i>Griffin</i>	WE 187
<b>A probabilistic atlas of the human inferior frontal gyrus.</b> <i>Hammers</i>	WE 188
<b>Structural equation modeling and Markov chain Monte Carlo in assessing brain interactivity.</b> <i>Hanson</i>	WE 189
<b>Bayesian Estimation of complex neuronal dynamics.</b> <i>Harrison</i>	WE 190
<b>Combining Voxel Intensity and Cluster Extent with Permutation Test Framework.</b> <i>Hayasaka</i>	WE 191
<b>Mapping Functional Connectivity Network in the Cerebellum with Resting State MR Images.</b> <i>He</i>	WE 192
<b>NeuroLens: an integrated visualization and analysis platform for functional and structural neuroimaging.</b> <i>Hoge</i>	WE 193
<b>Identification of Brain Activity in a Visual Simulation Task—An Adaptive ICA Approach for fMRI Data.</b> <i>Hong</i>	WE 194
<b>The Neurobiological Substrates of fMRI Functional Connectivity.</b> <i>Horwitz</i>	WE 195
<b>A Temporal Comparison of Simultaneously Acquired BOLD fMRI and Near-Infrared Spectroscopy (NIRS) Hemodynamic Response Functions.</b> <i>Huppert</i>	WE 196
<b>Automated Topological Correction of Cortical Surfaces.</b> <i>Hurdal</i>	WE 197
<b>Parallel design and implementation for cortical surface inflation on a Linux cluster system.</b> <i>Im</i>	WE 198
<b>A bottom-up approach for fMRI and NIRS fusion II-Application to real data.</b> <i>Iwata</i>	WE 199
<b>Non-linear hemodynamics: The spatial distribution of Balloon model parameters.</b> <i>Jacobsen</i>	WE 200
<b>Method for rapid event related functional MRI allowing detection and separation of first and second order stimulus effects.</b> <i>Jansma</i>	WE 201
<b>Improving the Registration of B0-distorted EPI Images using Calculated Cost Function Weights.</b> <i>Jenkinson</i>	WE 202
<b>Fast Determination of Optimal Classification Spaces for fMRI Pattern Classification.</b> <i>Jeswani</i>	WE 203
<b>Medical Image Classification Using Support Vector Machine.</b> <i>Ji</i>	WE 204
<b>Connectivity-based anatomical parcellation of cortical grey matter.</b> <i>Johansen-Berg</i>	WE 205*
<b>Reliability in Multi-Site Structural MRI Studies: Effects of gradient non-linearity correction on volume and displacement of brain subcortical structures.</b> <i>Jovicich</i>	WE 206
<b>Evaluation of Three Cortical Surface Flattening Methods.</b> <i>Ju</i>	WE 207
<b>Dipole Analysis on Spatiotemporal MEG signals using Bayesian Inference.</b> <i>Jun</i>	WE 208

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\* Oral presentation.



<b>Optimal linear basis for Statistical Parametric Mapping of event-related potentials/fields.</b> <i>Kiebel</i>	WE 209
<b>Evaluation Study of Korean-specific Tissue Probability Map with ICBM Tissue Probabilistic Atlases: A Probabilistic Similarity Index.</b> <i>Kim</i>	WE 210
<b>Regional Specificity of Hemodynamic Response Function Analyzed by a New Method: HAW.</b> <i>Kobashi</i>	WE 211
<b>Development of FLASH (FLexible Adjustable Surface Holder) in functional near infrared spectroscopic imaging system.</b> <i>KOHNO</i>	WE 212
<b>Analysis of near infrared spectroscopic signals during human locomotion using independent component analysis.</b> <i>KOHNO</i>	WE 213
<b>Evaluation of Reference Tissue-Based Analyses for Measurement of Brain Acetylcholinesterase Activity Using N-[11C]Methylpiperidin-4-yl Propionate and Positron Emission Tomography.</b> <i>Koichi</i>	WE 214
<b>Quantitative comparison study of Korean probabilistic atlas and MNI SPAM: a rationale for constructing group specific probabilistic brain atlas.</b> <i>Koo</i>	WE 215
<b>Functional connectivity of cortico- basal ganglia circuitry.</b> <i>Lahaye</i>	WE 216
<b>The BOLD/EEG relationship and data fusion from simultaneous EEG/fMRI recordings.</b> <i>Lahaye</i>	WE 217
<b>BrainMap: An Environment for Meta-Analysis in Functional Neuroimaging Research.</b> <i>Laird</i>	WE 218
<b>Magnetoencephalographic Signals in Brain-Computer Interfaces.</b> <i>Laitinen</i>	WE 219
<b>Automatic generation of cortical surface model estimating deep sulci with partial volume effect.</b> <i>Lee</i>	WE 220
<b>Evaluation of MRI gradient noise effects on EEG source localization.</b> <i>Lee</i>	WE 221
<b>Anatomical Connectivity Mapping Inferred from DTI-based White Matter Geometry.</b> <i>Lenglet</i>	WE 222
<b>Evaluation of a landmark curve matching technique in brain mapping based on the level set method.</b> <i>Leow</i>	WE 223
<b>Effective Drift Alleviate Algorithm in fMRI Time Series.</b> <i>Li</i>	WE 224
<b>Outlier Detection in fMRI Time Series.</b> <i>Li</i>	WE 225
<b>Assessment and improvement on the spatial accuracy in MEG source localization by depth weighting corrected minimum-norm estimate.</b> <i>Lin</i>	WE 226
<b>User independency, accuracy, and stability of “SIENAX” to measure brain volumes based on MR imaging.</b> <i>Locatelli</i>	WE 227
<b>A Novel Clustering Technique for Associating Brain Regions with Statistically Similar Low Frequency BOLD Fluctuations.</b> <i>Lowe</i>	WE 228
<b>Single-Trial Variable Model for Event-Related fMRI Data Analysis.</b> <i>Lu</i>	WE 229
<b>Gender Differences In Cortical Complexity.</b> <i>Luders</i>	WE 230
<b>Modelling residual movement effects: The impact on intra- and intersession variability in fMRI.</b> <i>Lund</i>	WE 231
<b>Automated Region of Interest (ROI) Analysis for PET Studies.</b> <i>Ma</i>	WE 232
<b>BOLD latency: relationship to stimulus duration.</b> <i>Maieron</i>	WE 233
<b>Matrices of Human Cerebral Cortical Connections.</b> <i>Makris</i>	WE 234
<b>A 3-D tracer kinetic model using the mass balance principle.</b> <i>Malyshv</i>	WE 235
<b>Systematic regularization of the MEG inverse problem using multiple constraints.</b> <i>Mattout</i>	WE 236
<b>Fractional Gaussian noise parameters in resting fMRI data.</b> <i>Maxim</i>	WE 237
<b>Analysis of Flow Dispersion as a Meaningful Measurable Parameter in Arterial Spin Labeling.</b> <i>Mazaheri</i>	WE 238
<b>Validation of Detecting Speech Boundaries in fMRI.</b> <i>Mehta</i>	WE 239
<b>Identifying and modeling the time-course of speech-related signal variance in fMRI.</b> <i>Mehta</i>	WE 240
<b>Anisotropy Characterization in Diffusion Weighted MRI via Reversible Jump MCMC.</b> <i>Melie-García</i>	WE 241
<b>Anisotropy Characterization in Diffusion Weighted MRI via Reversible Jump MCMC.</b> <i>Melie-García</i>	WE 242
<b>Bayesian Model Averaging in EEG/MEG imaging in Individual Brain Anatomy.</b> <i>Melie-García</i>	WE 243
<b>Bayesian Model Averaging in EEG/MEG imaging in Individual Brain Anatomy.</b> <i>Melie-García</i>	WE 244
<b>EEG imaging via BMA with fMRI pre-defined prior model probabilities.</b> <i>Melie-García</i>	WE 245
<b>EEG imaging via BMA with fMRI pre-defined prior model probabilities.</b> <i>Melie-García</i>	WE 246
<b>Dependence of hand motor centre localization on the number of measurements.</b> <i>Meller</i>	WE 247
<b>How frequently do we sample inhomogeneous group of subjects in fMRI studies.</b> <i>Mériaux</i>	WE 248
<b>MIDAS—A multi-site fMRI simulator consortium.</b> <i>MIDAS Consortium</i>	WE 249
<b>Estimation of hemodynamic response corresponding to spontaneous and successive changes in EEG rhythm.</b> <i>Misaki</i>	WE 250
<b>How nonlinear is the hemodynamic response?: analysis of EEG/fMRI with semiparametric autoregression.</b> <i>Miwakeichi</i>	WE 251

<b>Training Classifiers to Detect Cognitive States.</b> <i>Mourao-Miranda</i>	WE 252
<b>Robust and local nonsphericity modeling for second level PET and fMRI analysis.</b> <i>Mumford</i>	WE 253
<b>Exploratory Analysis of fMRI Data Reveals Modulation of Auditory Perception During a Visuo-Motor Task.</b> <i>Mutihac</i>	WE 254
<b>Removing ballistocardiogram artifact from EEG data recorded simultaneously with fMRI data by independent component analysis.</b> <i>Nakamura</i>	WE 255
<b>Solving the multiple comparison problem in fMRI using a method based on bootstrapping the Order Statistics of the resting state data.</b> <i>Nandy</i>	WE 256
<b>Analysis of the spatial specificity of canonical correlation analysis in fMRI.</b> <i>Nandy</i>	WE 257
<b>Modeling of the spatial covariance structure of the brain using variograms with a non-Euclidean metric.</b> <i>Nandy</i>	WE 258
<b>ROC methods in fMRI with real data using repeated trials: Limitations and Improvements.</b> <i>Nandy</i>	WE 259
<b>Conjunction Inference Using the Bayesian Interpretation of the Positive False Discovery Rate (pFDR).</b> <i>Nichols</i>	WE 260
<b>Mining Posterior Cingulate.</b> <i>Nielsen</i>	WE 261
<b>Assessing the reproducibility in sets of Talairach coordinates.</b> <i>Nielsen</i>	WE 262
<b>Probabilistic Partial Least Squares: How many factors?.</b> <i>Nielsen</i>	WE 263
<b>A Hierarchical Bayesian Approach in Distributed MEG Source Modelling.</b> <i>Nummenmaa</i>	WE 265
<b>Detection of Finger Movements from Magnetoencephalography Recordings Using Particle Filters.</b> <i>Nykopp</i>	WE 266
<b>Comparison of fMRI Motion Corrections Using Realistic Synthetic Data.</b> <i>Oakes</i>	WE 267
<b>Minimum norm estimates as the basis for statistical parametric mapping of EEG/MEG data.</b> <i>Olaf</i>	WE 268
<b>Using Eclipse to develop a modular image processing pipeline and GUI for functional MRI data analysis.</b> <i>Ooi</i>	WE 269
<b>Comparison of EEG and MEG Beamformer Source Localization Performance.</b> <i>Oostenveld</i>	WE 270
<b>Comparison of Motion Correction Tools for fMRI ER Data.</b> <i>Ores</i>	WE 271
<b>An Orthogonal Infomax Algorithm for Spatial ICA of fMRI Data.</b> <i>Pan</i>	WE 272
<b>Inverse EEG Problem: A Constrained Finite Volume Element Method.</b> <i>Papadopoulos</i>	WE 273
<b>Direct Observation of Neuronal Activities by MRI: A Snail Ganglia Study.</b> <i>Park</i>	WE 274
<b>The BOLD correlate of the post-movement beta rebound.</b> <i>Parkes</i>	WE 275
<b>Comparing Dynamic Causal Models.</b> <i>Penny</i>	WE 276
<b>Selection of spatially independent components to reduce physiological noise in fMRI data.</b> <i>Perlberg</i>	WE 277
<b>Effective Connectivity Differences in Mathematically Gifted Adolescents compared to Controls Performing Mental Rotation: An fMRI study.</b> <i>Pescott</i>	WE 278
<b>Statistical assessment of linear and nonlinear causal interactions.</b> <i>Pflieder</i>	WE 279
<b>Dynamic ReML solution for the EEG source reconstruction problem.</b> <i>Phillips</i>	WE 280
<b>Modeling Shape in a Self-Adaptive Segmentation Algorithm.</b> <i>Pohl</i>	WE 281
<b>Using neural network algorithms to investigate distributed patterns of brain activity in fMRI.</b> <i>Polyn</i>	WE 282
<b>A Parametric Statistical Model for Measuring Cortical Thickness.</b> <i>Qiu</i>	WE 283
<b>Assessment of False Alarm and Missed Detection in fMRI Phase-Encode Mapping.</b> <i>Rao</i>	WE 285
<b>PVELab: Software for correction of functional images for partial volume errors.</b> <i>Rask</i>	WE 286
<b>ParcelMan and Pigment: interactive tools for parcellation of cortical grey matter.</b> <i>Rehm</i>	WE 287
<b>Multi-variate analysis: a tool for examining influences of mask and polynomial order on non-linear registration of T1-MRI volumes.</b> <i>Rehm</i>	WE 288
<b>PET SORTEO: Validation and Application of a Monte Carlo-based PET simulator.</b> <i>Reilhac</i>	WE 289
<b>A bottom-up approach for fMRI and NIRs fusion I-Theory.</b> <i>Riera</i>	WE 290
<b>Analysis of Functional Magnetic Resonance Images Using a Linear Time Invariant Model- Multiple Input Evoked Response on Single Subject.</b> <i>Rio</i>	WE 291
<b>Localization Volume: a New Measure for Capturing Neuroanatomical Variability.</b> <i>Robbins</i>	WE 292
<b>Localization Comparison of High-Dimensional Spatial Normalization: 2D versus 3D.</b> <i>Robbins</i>	WE 293
<b>Positive Results in Amygdala fMRI: Emotion or Head Motion.</b> <i>Robinson</i>	WE 294
<b>Kalman Filtering for Real-Time fMRI Analysis.</b> <i>Roche</i>	WE 295

Using large scale neural models to understand fMRI Granger causality analysis.	<i>Roebroek</i>	WE 296
An Automated Method for the Extraction of Regional Data from PET Images.	<i>Rusjan</i>	WE 297
Modeling the Hemodynamic Response in fMRI by Laguerre Polynomials.	<i>Saha</i>	WE 298
Quantitative Evaluation of MRI Brain Tissue Segmentation Algorithms.	<i>Schaper</i>	WE 299
Comparison of DTI principal diffusion directions using directional statistics.	<i>Schwartzman</i>	WE 300
Inter-trial variability of BOLD signal temporal characteristics using slow event-related fMRI.	<i>Seghier</i>	WE 301
Paramagnetic artifacts in functional MRI for the human brain mapping.	<i>Seiyama</i>	WE 303
Wavelet-Based Preprocessing for fMRI.	<i>Sendur</i>	WE 304
CBV-based fMRI has improved temporal resolution compared to BOLD fMRI.	<i>Silva</i>	WE 305*
Measuring Consistency of Brain Tissue Classification Methods.	<i>Singh</i>	WE 306
Investigation of binding processes with BOLD signal coherence analysis.	<i>Smith</i>	WE 307
Quantification of F-18-Diprenorphine Kinetics.	<i>Spilker</i>	WE 308
Spin-spin Relaxometry of Blood at 15 T.	<i>Stefanovic</i>	WE 309
Quantifying the Intravascular SE BOLD Effect at 15 T.	<i>Stefanovic</i>	WE 310
Differentiating between Primary and Secondary Olfactory Cortex using the Kalman Filter in an fMRI Experiment.	<i>Steffener</i>	WE 311
Reproducibility Analysis in Bold-based Event-Related Functional MRI Experiments.	<i>Su</i>	WE 312
A Structured Secant Method for fMRI Time Series Registration.	<i>Sun</i>	WE 313
A new wavelet-based method to detect and characterize spatially distributed patterns of activation in fMRI datasets.	<i>Takerkart</i>	WE 314
Predicting Single-trial Performance in a Target Detection Task from High Density EEG.	<i>Tang</i>	WE 315
A New Non-rigid Medical Image Registration.	<i>Tang</i>	WE 316
District-related frequency specificity in hand cortical representation: dynamics of regional activation and intra-regional functional connectivity.	<i>Tecchio</i>	WE 317
Study of effect variability in fMRI data: a high-level clustering approach.	<i>Thirion</i>	WE 318
Variability of morphometric findings: An inter-scanner comparison.	<i>Tittgemeyer</i>	WE 319
Quantitative definition of primary, secondary and tertiary convolutions.	<i>Toro</i>	WE 320
EEG Cortical Source Imaging Using Spatiotemporal Independent Component Analysis.	<i>Tsai</i>	WE 321
Exploratory Analysis of Large Scale Network Interactions in Functional Neuroimaging Experiments.	<i>Turken</i>	WE 322
MINC 20: A modality independent format for multidimensional medical images.	<i>Vincent</i>	WE 323
Statistics of Statistics vs. Statistics of Signal Change at Group Level fMRI Analysis.	<i>Wang</i>	WE 324
Volumetric Harmonic Brain Mapping using a Variational Method.	<i>Wang</i>	WE 325
Mapping of white matter hyperintensities on brain MRI in healthy middle-aged individuals.	<i>Wen</i>	WE 326
Brain Activity Movies: A Novel Approach to Examining Spatio-Temporal Activation Characteristics.	<i>Windischberger</i>	WE 327
Constrained Linear Basis Sets for HRF Modelling Using Variational Bayes.	<i>Woolrich</i>	WE 328
fMRI data smoothing constrained to the cortical surface: a comparison of the level-set and mesh-based approaches.	<i>Wotawa</i>	WE 329
Influence of Spatial Normalization on Diffusion Tensor.	<i>Yamamoto</i>	WE 330
Evaluating effective connectivity via relative power contribution ratios.	<i>Yamashita</i>	WE 331
Spatial and Temporal Dispersion of Hemodynamic Response in fMRI Data: a Sequential Approach.	<i>Yan</i>	WE 332
Cortical Power Mapping of Alpha Activities by Charge-Layer Modelling.	<i>Yao</i>	WE 333
Systematic Effect of Reference on Power Mapping of EEG: The Use of Infinity Reference.	<i>Yao</i>	WE 334
Improved Statistical Sensitivity of FMRI by Removing Resting Rhythms Using Independent Component Analysis.	<i>Yeh</i>	WE 335
Exploring the Optimization of fMRI Processing Pipelines within the NPAIRS Framework.	<i>Zhang</i>	WE 336
Propagable region-growing for 3D segmentation of white matter fascicules with diffusion tensor MRI data.	<i>Zhu</i>	WE 337
Segmentation of Thalamic Nuclei from DTI using Spectral Clustering.	<i>Ziyan</i>	WE 338
Multi-modal Medical Image Registration in a Unified Framework.	<i>Zollei</i>	WE 339

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\* Oral presentation.

<b>A Prospective Multi-Institutional Study of the Reproducibility of fMRI: A Preliminary Report from the Biomedical Informatics Research Network.</b> <i>Zou</i>	WE 340
<b>Validation of manually fixed ROIs with an automatic Talairach space based method in dopamine transporter (99mTc-TRODAT) SPECT.</b> <i>Árgyelán</i>	WE 341
<b>Increased brain atrophy in chronic back pain: Pain hurts the brain.</b> <i>Apkarian</i>	WE 342
<b>Extending SIENA for a Multi-Subject Statistical Analysis of Longitudinal Cerebral Edge Shifts: Substantiation of Early Brain Regeneration through Abstinence from Alcoholism.</b> <i>Bartsch</i>	WE 343
<b>Biomedical Informatics Research Network: Multi-Site Processing Pipeline for Shape Analysis of Brain Structures.</b> <i>Beg</i>	WE 344
<b>Simultaneous EEG-fMRI of Epileptic Spikes: Comparison of fMRI and EEG Statistical Maps with Intracranial Recordings.</b> <i>Benar</i>	WE 345
<b>A Technique for the Deidentification of Structural Brain MR Images.</b> <i>Bischoff-Grethe</i>	WE 346
<b>Combined fMRI and dynamic perfusion MR in pre-surgical assessment of cerebral arteriovenous malformations.</b> <i>Bjornerud</i>	WE 347
<b>Cortical Locations of International 10–20 System in Down Syndrome.</b> <i>Carducci</i>	WE 348
<b>Cortical Atrophy in Multiple Sclerosis.</b> <i>Charil</i>	WE 349
<b>Nonparametric estimation of cortical thickness.</b> <i>Chung</i>	WE 350
<b>Competitive segmentation of the hippocampus and the amygdala volumetry in Alzheimer’s disease.</b> <i>Chupin</i>	WE 351
<b>Use of Voxel-Based Morphometry to Measure Striatal Atrophy in Huntington’s Disease.</b> <i>Douaud</i>	WE 352
<b>A 3D Probabilistic Glioblastoma Multiforme Location Atlas.</b> <i>Frew</i>	WE 353
<b>Statistical Power Maps for SPM Analysis of PET Scans.</b> <i>Gispert</i>	WE 354
<b>Analyses of Diffusion Tensor Images (DTI) by a morphometrical analysis of iterative normalized DTI’s: An optimised procedure approved in a group of children with Tourette Syndrome.</b> <i>Grüner</i>	WE 355
<b>Evaluation of temporal cluster analysis in patients with epilepsy using simultaneous EEG/fMRI.</b> <i>Hamandi</i>	WE 356
<b>Subpixel curvature estimation of the corpus callosum via splines and its application to autism.</b> <i>Hoffmann</i>	WE 357
<b>Adjustments for global radiation counts: Different techniques, different results.</b> <i>Jennings</i>	WE 358
<b>Smoothing Kernels in Voxel Based Morphometry of DT-MRI Data: Does Size Matter.</b> <i>Jones</i>	WE 359
<b>The Capsula Interna in Families with Schizophrenia.</b> <i>Kamer</i>	WE 360
<b>Regional GM Loss in RR and SP Multiple Sclerosis.</b> <i>Kezele</i>	WE 361
<b>Hippocampal asymmetry analysis in schizophrenia using deformable model with surface registration.</b> <i>Kim</i>	WE 362
<b>Segmentation-dependent brain volume estimation using simulated MRI data.</b> <i>Klauschen</i>	WE 363
<b>Cortical Source Imaging of the EEG Manifestations of Schizophrenia and Depression in a Realistic Head Model.</b> <i>Koles</i>	WE 364
<b>Quantitative Comparison of Function MRI and Direct Electro-Cortical Stimulation for Functional Mapping.</b> <i>Larsen</i>	WE 365*
<b>Fast MR signal changes associated with 3 Hz spike-and-wave discharges in generalised epilepsy.</b> <i>Liston</i>	WE 366
<b>A region-based method for the estimation of the neural impulse response in event-related fMRI.</b> <i>Makni</i>	WE 367
<b>Striatum Parameterisation: a new Basis for the Study of Neuro-Degenerative Processes in Huntington’s Disease.</b> <i>Maroy</i>	WE 368
<b>Analysis of Brain Image Data using Sequence Analysis Techniques.</b> <i>Megalooikonomou</i>	WE 369
<b>Comparison of various methods for detecting activation using PET.</b> <i>Mesina</i>	WE 370
<b>Comparison of Parametric and Nonparametric Statistical Methods in a Voxel-Based Morphometry Study of Co-morbid Learning Disability with Schizophrenia.</b> <i>Moorhead</i>	WE 371
<b>Mapping cortical thickness and gray matter density in first episode schizophrenia.</b> <i>Narr</i>	WE 372
<b>Non-invasive characterisation of white-matter integrity in stroke.</b> <i>Newton</i>	WE 373
<b>Voxel Based Morphometry in Bipolar Disorder.</b> <i>Nugent</i>	WE 374
<b>Combined Electrical Source Imaging and Independent Components Analysis in Seizure Localization.</b> <i>O’Neill</i>	WE 375
<b>A General and Extensible Database System for the Storage, Retrieval and Maintenance of Human Brain Imaging and Clinical Data.</b> <i>Ozyurt</i>	WE 376
<b>Cortical GABA-A CBZR loss measured with 123I-Iomazenil in Alzheimer’s disease: a SPECT study with Partial Volume Effect correction.</b> <i>Pappata</i>	WE 377

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\* Oral presentation.

<b>Brain Mapping of [15O]-H<sub>2</sub>O PET Scans Using Statistical Analysis in the Wavelet Domain.</b> <i>Penedo</i>	WE 378
<b>RCBF in Alzheimer's disease versus Mild Cognitive Impairment: a SPECT study with Partial Volume Effect correction.</b> <i>Quarantelli</i>	WE 379
<b>Analysis of first-episode schizophrenia patient's MRI and fMRI BOLD activation during the Tower of London Task using cortical pattern matching.</b> <i>Rasser</i>	WE 380
<b>A MEG/EEG analysis toolbox for BrainVisa.</b> <i>Schwartz</i>	WE 381
<b>A Voxel-Based Morphometric Study of Alzheimer's Disease and Normal Aging: Evaluation of the Methods.</b> <i>Senjem</i>	WE 382
<b>FIBRIL POLYMERS AS IMAGING TARGETS IN ALZHEIMER'S DISEASE.</b> <i>Shoghi-Jadid</i>	WE 383
<b>Measuring generalized synchronization and connectivity in MEG or EEG.</b> <i>Stam</i>	WE 384
<b>Assessing functional differences in phonological processing in normal and dyslexic subjects.</b> <i>Stanberry</i>	WE 385
<b>Comparison of Accuracy of Clinical Diagnosis by a Support System with Experienced Doctors using Functional Brain Images.</b> <i>Takahashi</i>	WE 386
<b>Evaluation of BOLD changes related to interictal epileptic discharges using continuous and simultaneous EEG-fMRI.</b> <i>Tanaka</i>	WE 387
<b>Non-invasive Measurements of Acetylcholinesterase Activity with Normalized [<sup>11</sup>C]MP4A-PET Images for Dementia Diagnosis.</b> <i>Tanaka</i>	WE 388
<b>Fractal complexity of the human cortex is increased in Williams syndrome.</b> <i>Thompson</i>	WE 389*
<b>Functionally connected networks underlying auditory verbal hallucinations in schizophrenia.</b> <i>van de Ven</i>	WE 390
<b>Near real-time 3-D cortical reconstruction of normal and diseased brains for fMRI.</b> <i>Voyvodic</i>	WE 391
<b>A non-parametric framework for assessing the reliability of FMRI/EEG data.</b> <i>Waites</i>	WE 392
<b>Roy's maximum root and maximum canonical correlation SPMs from multivariate multiple regression analysis of imaging data.</b> <i>Worsley</i>	WE 393
<b>State Space Approach to Dynamical Inverse Problems with an Application to Epilepsy EEG Data.</b> <i>Yamashita</i>	WE 394
<b>Classifying Spatial Temporal Multi-frequency Quantitative EEG Brain Oscillations.</b> <i>Yang</i>	WE 395

### Cognition & Attention

Thursday, June 17 11:00–12:00 (Odd—TH 1–TH 247)  
 13:00–14:00 (Even—TH 1–TH 247)  
 16:30–17:30 (All—TH 1–TH 247)

<b>Domain-specific and domain-general changes in fMRI activation during repeated performance of working memory tasks.</b> <i>Sayala</i>	TH 1
<b>Cortical dopamine release during working memory and attention in healthy humans.</b> <i>Aalto</i>	TH 2
<b>A receptor- and cytoarchitectonic correlate of the functionally defined inferior-frontal junction area.</b> <i>Amunts</i>	TH 3*
<b>Long term EEG and Psychometric effects of mobile phone use.</b> <i>Arns</i>	TH 4
<b>Topographical proximity of dissociated brain activity in posterior parietal cortex related to spatial and nonspatial attentional shift.</b> <i>Asari</i>	TH 5
<b>The strategy selection in visuo-spatial planning: left or right PFC involvement?</b> <i>Basso</i>	TH 6
<b>Zen Meditation An Investigation Using fMRI.</b> <i>Baerentsen</i>	TH 7
<b>Neurofeedback with functional magnetic resonance imaging.</b> <i>Blecker</i>	TH 8
<b>The neural selection of simultaneously presented pictures: an fMRI study.</b> <i>Bles</i>	TH 9
<b>Gender Differences in human brain activity using a location-and a face-matching-task A fMRI study.</b> <i>Born</i>	TH 10
<b>Discriminating salient stimuli: Non-linear changes in functional brain activity across 7 age decades.</b> <i>Brown</i>	TH 11
<b>Visual target detection and fMRI assessment of the pulvinar and medial dorsal nucleus in normal volunteers.</b> <i>Buchsbaum</i>	TH 12
<b>A combined ERP and LORETA study of the Stroop color-word interference effect.</b> <i>Bussfeld</i>	TH 13
<b>Alcohol Intoxication Effects on Simulated Driving: Exploring Alcohol-Dose Effects on Brain Activation Using Functional MRI.</b> <i>Calhoun</i>	TH 14
<b>Pre and Post Cognitive Responses of the Prefrontal Cortex (PFC) as Localized by fNIRS.</b> <i>Chance</i>	TH 15
<b>Event-related potentials in visual spatial attention.</b> <i>Chen</i>	TH 16

\* Oral presentation.

Increased BOLD Activation Under Highly Concentrated Oxygen Administration During a Verbal Task. <i>Chung</i>	TH 17
Effects of Different Levels of Oxygen Administration on Cerebral Activation and Lateralization During a Visuospatial Task: An fMRI Study. <i>Chung</i>	TH 18
Differential Effects Of Unimodal and Cross-Modal Attention Across the Hierarchy Of Early Visual Areas. <i>Ciaramitaro</i>	TH 19
Developmental pattern of activation within the prefrontal-cerebellar subsystem in a new categorical n-back task. <i>Ciesielski</i>	TH 20
Transient and sustained cerebral responses during an updating task. <i>Collette</i>	TH 21
Intention-related activity for saccades and reaching in the posterior parietal cortex. <i>Committeri</i>	TH 22
Differential responses in human striatum and prefrontal cortex to changes in object- and rule-relevance. <i>Cools</i>	TH 23
Watching possible and impossible movements of biological and non-biological stimuli: an fMRI study. <i>Costantini</i>	TH 24
The effects of experience and brain maturity on neural correlates of music processing. <i>Cronin</i>	TH 25
Processing capacity in the FFA and PPA in a spatial working memory task. <i>Curby</i>	TH 26*
FMRI and DTI Investigation of Attention Switching Networks. <i>Davidson</i>	TH 27
The Expression and Control of Attentional Topography in Human Visual Cortex. <i>DeYoe</i>	TH 28
BOLD repetition decreases in object-responsive ventral visual areas depend on spatial attention. <i>Eger</i>	TH 29
Multi-channel near-infrared spectroscopy measures specific inferior-frontal activation during incongruent Stroop trials. <i>Fallgatter</i>	TH 30
How do you do nothing? <i>Fransson</i>	TH 31
The Functional Neuroanatomy underlying Responsive Behavioural Correction. <i>Garavan</i>	TH 32
Repetition enhancement results from repetition of words encoded during inattention. <i>Ghahremani</i>	TH 33
Visual Event Detection During Simulated Driving. <i>Graydon</i>	TH 34
Modulation of long-range neural synchrony associated with changes in visual attention. <i>Gross</i>	TH 35*
Neural mechanisms of advance preparation in task switching. <i>Gruber</i>	TH 36
Functional Role of the Anterior Intraparietal Sulcus for Crossmodal Processing of Object Features in the Human Brain: A rTMS Study. <i>Hütter</i>	TH 37
Combinatorial codes in ventral temporal lobe for object recognition: Haxby (2001) revisited. <i>Hanson</i>	TH 38
Correlations between the GDS, MMSE and neuropsychological variables. <i>Heesen</i>	TH 39
Independence of the cortical representations of handedness and apraxia suggested by a leftward-biased fMRI activation during hand gesture imitation in consistent left-handers. <i>Hermisdörfer</i>	TH 40
Where Does the Brain Stop? Brain areas involved in the inhibition of behavior. <i>Heslenfeld</i>	TH 41
Optical imaging of human infants: Have you seen the light? <i>Hespos</i>	TH 42
The role of the left parietal cortex in motor intention: An event-related fMRI Study. <i>Hesse</i>	TH 43
Awareness of Errors—an event-related design combining fMRI and ERP recording. <i>Hester</i>	TH 44
Role of the left inferior frontal gyrus in covert word retrieval: Neural correlates of switching during verbal fluency. <i>Hirshorn</i>	TH 45
Cognitive inhibition during the resolution of lexical ambiguity: A high field fMRI study. <i>Hoening</i>	TH 46
On the Role of the Frontoparietal Network: Attention, Task or Awareness. <i>Hon</i>	TH 47
Event related fMRI study on neural correlates of event detection and distraction during a driving task. <i>Hsieh</i>	TH 48
Two Task-Related Topographic Maps of Visuospatial Attention in Human Parietal Cortex. <i>Huddleston</i>	TH 49
The functional anatomy of vocal lying. <i>Hunter</i>	TH 50
Functional dissociation between distinct prefrontal regions at the moment of action execution. <i>Hunter</i>	TH 51
Prefrontal and frontoparietal systems contribute to object representation in visual working memory. <i>Imaruoka</i>	TH 52
The Impact of Processing Demand on Cortical Activation Assessed with Single- and Dual-Tasks. <i>Jaeggi</i>	TH 53
Functional anatomical correlates of simultaneous automatic and controlled processing during a Sternberg task. <i>Jansma</i>	TH 54
Probabilistic atlas of human thalamic architecture based on diffusion MRI. <i>Johansen-Berg</i>	TH 55
Cortical networks underlying the execution of cognitive task sequences. <i>Jubault</i>	TH 56
How does another person's eye gaze interact with your selective spatial attention? <i>Kampe</i>	TH 57
Modulation of Slow Cortical Potentials (SCP) by repetitive transcranial magnetic stimulation (rTMS). <i>Karim</i>	TH 58

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\* Oral presentation.

An event-related fMRI study of reflexive orienting induced by another person's eye gaze. <i>Kato</i>	TH 59
BOLD Response Correlations With Human Sleep EEG Spectra Across Sleep Stages Awake To S4. <i>Kaufmann</i>	TH 60
Neural correlates of the number-size congruity effect: An event-related fMRI-study. <i>Kaufmann</i>	TH 61
Neural Correlates of Extended Practice on the Word-Association Task of Verb Generation. <i>Kerr</i>	TH 62
Cortical mechanisms of attention in time: Neural correlates of the Attentional Blink phenomenon. <i>Kessler</i>	TH 63
Right hemisphere involvement in a sustained visual discrimination task: a replication with ASL perfusion MRI. <i>Kim</i>	TH 64
An fMRI Study of Self and Other Perspectives in the Observation and Imagination of Actions. <i>Kingsley</i>	TH 65
Fronto-parietal network for verbal working memory and visuospatial attention: an interference approach using rTMS. <i>Ko</i>	TH 66
The interaction between cognitive processing and negative emotion: An fMRI study. <i>Koch</i>	TH 67
Voluntary attention to auditory motion modulates motion-related activity in the human planum temporale and parieto-temporal operculum. <i>Krumbholz</i>	TH 68
Mental imagery and visual perception: an fMRI study of the effects of hemifield and task. <i>Kukolja</i>	TH 69
The neural mechanisms of coordinating dual arithmetic operations. <i>Kuo</i>	TH 70
Brain areas activated while musicians and non-musicians listen to music spontaneously or for a cognitive task. <i>Kyong</i>	TH 71
The Effects of Cholinergic Enhancement on Performance and BOLD signal in a Selective Attention Task. <i>Lange</i>	TH 72
Do conscious intentions cause actions? <i>Lau</i>	TH 73*
Aging and Response regulation as revealed by functional MRI. <i>Lee</i>	TH 74
Differential contribution of prefrontal and cingulate activity as a function of attentional demand in a working memory task. <i>Lenartowicz</i>	TH 75
Inhibition of number-length interference in a Piaget-like task in adults: an fMRI study. <i>Leroux</i>	TH 76
Attention to behaviorally relevant stimuli: An event-related fMRI study of the effect of task demands on the hemodynamic response to auditory oddball target stimuli. <i>Liddle</i>	TH 77
Paradigms provoking right lateralized activation in fMRI. <i>Lidzba</i>	TH 78
Modulations by auditory spatial attention prior to stimulus presentation in a sparse fMRI paradigm. <i>Lipschutz</i>	TH 79
Brain activity during deception: an event-related functional MRI study. <i>Loughead</i>	TH 80
Sparse imaging of auditory target processing: Simultaneous coregistration of ERP and fMRI data. <i>Müller</i>	TH 81
Stimulus-response compatibility modulates electrophysiological indexes of response inhibition. <i>Madrid</i>	TH 82
Effects of Sleep Deprivation on Attention: A Neuro-Imaging Study. <i>Mander</i>	TH 83
Saccadic inhibition and task-switching are associated with distinct spatiotemporal patterns of fMRI activation. <i>Manoach</i>	TH 84
Age-related changes in brain activity: EEG-coherence analysis during an auditory oddball task. <i>Maurits</i>	TH 85
Regional cerebral activity and changes in functional connectivity characterizing the conscious resting state. <i>Mawet</i>	TH 86
An Event-Related FMRI Study of Endogenous Aural Orienting. <i>Mayer</i>	TH 87
Analyzing the Predictability of the BOLD signal with Behavioral Performance on a Motion Discrimination Task. <i>McAvoy</i>	TH 88
An ERP study of nicotine effects in Posner's spatial cuing paradigm. <i>Meinke</i>	TH 89
A functional role of the temporo-parietal junction for attention. <i>Meister</i>	TH 90
Brain mechanisms involved in background monitoring for potential behavioral conflicts. <i>Melcher</i>	TH 91
Cross-modal interaction modulates spatial selectivity of auditory processing. <i>Menning</i>	TH 92
Fast visual cognitive processing revealed by electrical neuroimaging. <i>Michel</i>	TH 93
The caudate nucleus and the preparation of a novel action: An fMRI study. <i>Monchi</i>	TH 94
fMRI Investigation of Untrained Chinese Listeners' Cross-Cultural Music Comprehension. <i>Morrison</i>	TH 95
Differential involvement of a left fronto-parietal system in syllogistic reasoning: a pilot fMRI study of belief-bias effect. <i>Moutier</i>	TH 96
High resolution spatial and temporal analysis of ACC function in an auditory choice reaction task. <i>Mulert</i>	TH 97
Physiological basis for attention and executive control processes: a multidisciplinary MEG, fMRI and Neuropsychological study. <i>Muñoz-Céspedes</i>	TH 98
Paying attention to multisensory objects. <i>Naumer</i>	TH 99
Neuronal correlate of selective and divided attention: a fMRI study. <i>Nebel</i>	TH 100

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\* Oral presentation.

<b>Differences in Event-Related Potential Responses to Cocaine-Related Drug Cues and Non-Specific Arousing Stimuli in Healthy Human Subjects.</b> <i>Nickerson</i>	TH 101
<b>PFC Responses to Face Emotion Recognition measured by optical mapping.</b> <i>Nioka</i>	TH 102
<b>Cerebro-cerebellar activation during covert shifts of attention compared to saccadic eye movements.</b> <i>Nitschke</i>	TH 103
<b>Brain mechanism regulating reactivity of immune, endocrine and cardiovascular parameters to active acute stress revealed by PET.</b> <i>Nomura</i>	TH 104
<b>Architecture of cognitive control in the human parietal cortex.</b> <i>Ody</i>	TH 105
<b>Body-Parts-as-Object (BPO) and Pantomime-functional Magnetic Resonance Imaging during Tool-use Gestures.</b> <i>Ohgami</i>	TH 106
<b>The mirror system and neural network for ‘Theory of mind’ in normally developed children.</b> <i>Ohnishi</i>	TH 107
<b>Processing of audiovisual speech in the Broca’s area.</b> <i>Ojanen</i>	TH 108
<b>Organisation of time- and event-based intentions in rostral prefrontal cortex.</b> <i>Okuda</i>	TH 109
<b>Marijuana alters a cerebellar clock.</b> <i>O’Leary</i>	TH 110
<b>Are MMN differences related to Cognitive Spontaneous Rhythm?</b> <i>Olivetti Belardinell</i>	TH 111
<b>PREFRONTAL CORTICAL ACTIVATION DURING PAIRED OBJECT RECOGNITION.</b> <i>Ongur</i>	TH 112
<b>After one year of musical training, young children show a left-hemispheric shift for melody processing.</b> <i>Overy</i>	TH 113
<b>The Composite Face Effect: an event-related fMRI study of the configural bias in face processing.</b> <i>Paparello</i>	TH 114
<b>Human auditory cortex fMRI activation and spatial organization of EEG coherence while listening to consonant and dissonant chords.</b> <i>Passynkova</i>	TH 115
<b>Dissociation of visual exploration from target detection in the parietal cortex during overt visual search.</b> <i>Patria</i>	TH 116
<b>The application of partially-violating and resolving paradigm in music perception.</b> <i>Pei</i>	TH 117
<b>Functional neuroanatomy of complex mental calculation in auditory modality: A PET study.</b> <i>Pesenti</i>	TH 118
<b>The role of the left and right cerebral hemispheres in duration discrimination with filled and empty intervals.</b> <i>Pfeuty</i>	TH 119
<b>Mapping Localized Cerebellar Activity in Motor, Emotional and Cognitive Tasks.</b> <i>Pierson</i>	TH 120
<b>Antisaccade Errors Are Associated with Activation of the Anterior Cingulate Cortex, Prefrontal Cortex, and Insula.</b> <i>Polli</i>	TH 121
<b>Target detection in dichotic listening investigated with event-related fMRI.</b> <i>Pollmann</i>	TH 122
<b>Cell phones, cars and cortex: the effects of multi-tasking on performance and brain activity.</b> <i>Ponton</i>	TH 123
<b>View-invariant and view-specific representations of novel faces revealed by fMRI of repetition priming.</b> <i>Pourtois</i>	TH 124
<b>Functional Connectivity of Stimulus Modality-Specific and Process-Specific Networks In Auditory And Visual Perceptual Judgement Tasks.</b> <i>Protzner</i>	TH 125
<b>Psychogenic and somatic pain share overlapping cortical networks.</b> <i>Raij</i>	TH 126*
<b>Left Parietal Cortex Activation Is Correlated with Degree of Conflicts: An Event-Related fMRI Study.</b> <i>Rao</i>	TH 127
<b>The Neuronal Basis of Risky Decisions in Gambling: an event-related fMRI Study.</b> <i>Richardson</i>	TH 128
<b>Neural correlates of theory of mind within interpersonal interactions.</b> <i>Rilling</i>	TH 129
<b>A specific brain prefrontal activation region during meditation observed with functional magnetic resonance imaging (fMRI).</b> <i>Rimol</i>	TH 130
<b>Conflict resolution in vision and audition: Behavioural and neuroimaging data.</b> <i>Roberts</i>	TH 131
<b>Time-course of syllogistic reasoning.</b> <i>Rodriguez Moreno</i>	TH 132
<b>Interaction between visual imagery and perception.</b> <i>Roepstorff</i>	TH 133
<b>The role of supplemental motor area in attentional resource allocation.</b> <i>Ross</i>	TH 135
<b>Attentional preparation for stimulus competition.</b> <i>Ruff</i>	TH 136
<b>Semantic and Phonological Task Sets.</b> <i>Sakai</i>	TH 137
<b>Functional Imaging during Anticipation of Rewards varying in Amount and Probability.</b> <i>Sanfey</i>	TH 138
<b>Timing Integration and Audio-Visual Information: an Event-Related Potential Study.</b> <i>Santangelo</i>	TH 139
<b>Bold signals in parietal and visual cortex predict behavior during a spatial attention task.</b> <i>Sapir</i>	TH 140
<b>Neural correlates of attentional demand within the Useful Field of View task.</b> <i>Scalf</i>	TH 141
<b>How sighted and blind brains mentally scan a haptic image: Corresponding results from slow event-related potentials and fMRI.</b> <i>Schicke</i>	TH 142

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\* Oral presentation.



<b>Being With Others: The Neural Correlates of Social Interaction.</b> <i>Schilbach</i>	TH 143
<b>Attention effects on superior temporal sulcus and gyrus activation during observation of intentional objects.</b> <i>Schultz</i>	TH 144
<b>Functional neuroanatomy of calendar calculation in a prodigy: A fMRI study.</b> <i>Seidel</i>	TH 145
<b>Neural correlates of quality of performance in mental rotation.</b> <i>Seurinck</i>	TH 146
<b>The sense of ownership of one's own body under delayed visual feedback: a near-infrared spectroscopy study.</b> <i>Shimada</i>	TH 147
<b>Control of Auditory Attention Shifts in Human Cortex.</b> <i>Shomstein</i>	TH 148
<b>Behavioural and neuroanatomical correlates of general and specific mental image generation.</b> <i>Simona</i>	TH 149
<b>Dissociable prefrontal-parietal contributions to working memory: Evidence with retrieval and maintenance.</b> <i>Sohn</i>	TH 150
<b>The ERPs Effect of Different Scale Interference on Visual Spatial Attention.</b> <i>Song</i>	TH 151
<b>A fMRI variant of the Simon task.</b> <i>Specht</i>	TH 152
<b>A "What and Where" variant of the Wisconsin Card Sorting Test (WCST): prefrontal activations during the search for the target dimension.</b> <i>Specht</i>	TH 153
<b>Context-dependent transcallosal interactions between areas in the human visual system.</b> <i>Stephan</i>	TH 154
<b>Neural mechanisms of task-irrelevant memory retrieval and its suppression.</b> <i>Sugiura</i>	TH 155
<b>Brain Function, Paranormal Ideation, Mysticism and Risk for Psychosis.</b> <i>Sumich</i>	TH 156
<b>Functional specificity of the rostral part of Brodmann area 6 in verbal and spatial mental-operation tasks: a low-frequency repetitive transcranial magnetic stimulation study.</b> <i>Tanaka</i>	TH 157
<b>Predicting the Future: Changes in Cortico-cerebellar Coherence Observed During Entrainment of Movement to Visual Cues.</b> <i>Tesche</i>	TH 158
<b>Distinct and shared brain regions for working memory and visual attention.</b> <i>Tomasi</i>	TH 159
<b>An fMRI study of spatial attention and working memory in visual search.</b> <i>Trittschuh</i>	TH 160
<b>Brain activation with the change of cognitive load during Paced Visual Serial Addition Task.</b> <i>Uchida</i>	TH 161
<b>When planning fails: Individual differences and error related brain activity in problem solving.</b> <i>Unterrainer</i>	TH 162
<b>What's happening during visuo-motor learning: an electrophysiological study.</b> <i>Varga</i>	TH 163
<b>Attending to inhibited locations: An fMRI study.</b> <i>Vink</i>	TH 164
<b>Neural circuits underlying imitation of novel hand actions: an event-related fMRI study.</b> <i>Vogt</i>	TH 165
<b>Management of Attentional Resources—testing Wickens' Model by fMRI.</b> <i>Vohn</i>	TH 166
<b>Keep The Rhythm! Polymetrics in Sting's music activate Broca's area and its right hemisphere homologue.</b> <i>Vuust</i>	TH 167
<b>Common and unique components in resolving response conflict revealed by fMRI.</b> <i>Wager</i>	TH 168
<b>Investigating the role of the anterior cingulate cortex in the selection of willed actions and performance monitoring.</b> <i>Walton</i>	TH 169
<b>The human prefrontal and parietal association cortices are involved in algebraic calculation—an fMRI study.</b> <i>Watanabe</i>	TH 170
<b>Neural Correlates of Auditory Attentional Capture.</b> <i>Watkins</i>	TH 171
<b>A Functional MRI Study of AoA effects on Chinese Language Processing.</b> <i>Weekes</i>	TH 172
<b>Neural correlates of common-onset masking.</b> <i>Weidner</i>	TH 173
<b>Seeing it both ways: Animate and Inanimate interpretations of the same motion based on context.</b> <i>Wheatley</i>	TH 174
<b>Prefrontal Gray Volume in Successful and Unsuccessful Psychopaths.</b> <i>Yang</i>	TH 175
<b>Voice selective areas in auditory cortex are sensitive to voice familiarity.</b> <i>Yao</i>	TH 176
<b>Diffusion Tensor Imaging Reveals New Areas of Involvement in Patient with ADHD.</b> <i>Ashtari</i>	TH 177
<b>Neural Correlates of the Influence of Motivation on Spatial Attention in Healthy Aging and Mild Cognitive Impairment.</b> <i>Bagurdes</i>	TH 178
<b>fMRI study on executive functions in patients with Borderline Personality Disorder.</b> <i>Biller</i>	TH 179
<b>Covert processing of familiar faces involved the activation of the emotional system in a prosopagnosic patient.</b> <i>Bobes</i>	TH 180
<b>Covert processing of familiar faces involved the activation of the emotional system in a prosopagnosic patient.</b> <i>Bobes</i>	TH 181
<b>Late-onset depression with mild cognitive deficits: Electrophysiological indications for a preclinical dementia syndrome.</b> <i>Brassen</i>	TH 182
<b>Prefrontal, striatal and thalamic FDG uptake in never-medicated patients with schizophrenia.</b> <i>Buchsbaum</i>	TH 183
<b>Detecting Associations Between Executive Functioning Deficits and Brain Structure in Heavy Drinkers Using Automated Morphometry.</b> <i>Cardenas</i>	TH 184
<b>Dopaminergic modulation of cognitive interference in Parkinson's disease patients.</b> <i>Cerasa</i>	TH 185

Two-step deficits in the information processing of patients with schizophrenia: Evidence from P50 mapping. <i>Chiu</i>	TH 186
Localisation of ischemic core on postmortem stroke brains. <i>Csiba</i>	TH 187
Activation of striatum and cerebellum in response to expectancy violations in children with ADHD. <i>Durston</i>	TH 188
Working Memory in Depression: An fMRI Study. <i>Ebmeier</i>	TH 189
Dysfunction in the anterior cingulate cortex as an electrophysiological endophenotype for attention deficit hyperactivity disorder (ADHD). <i>Fallgatter</i>	TH 191
Prefrontal brain function in schizophrenias modulated by treatment with atypical neuroleptics. <i>Fallgatter</i>	TH 192
Diminished parietal brain oxygenation in Alzheimer's disease as measured with Near-Infrared Spectroscopy (NIRS). <i>Fallgatter</i>	TH 193
An event related fMRI study of cognitive deficits in Huntington's disease. <i>Farrow</i>	TH 194
Administration of levodopa modulates the neural and behavioural response associated with cognitive interference in PD patients. <i>Fera</i>	TH 195
A quantitative MEG study of the cortical rhythms in AD, LBD and normal subjects. <i>Franciotti</i>	TH 196
Developmental dyscalculia: a behavioural and event-related brain potential study. <i>Fruzzina</i>	TH 197
Poor Inhibitory Processes In ADHD Children Linked To Dysregulation Of Anterior Cingulate And Dorsolateral Prefrontal Cortex. <i>Glahn</i>	TH 198
Localized thinning of the cortical ribbon in non-demented HIV-infected patients. <i>Glessner</i>	TH 199
Modafinil modulates prefrontal function during the N-back working memory task in schizophrenia. <i>Green</i>	TH 200
Modafinil modulates prefrontal activity during simulated deception in schizophrenia. <i>Green</i>	TH 201
Altered correlation of cerebral activation with navigation performance in a virtual reality environment in patients with mild cognitive impairment. An O15-water PET study. <i>Grimmer</i>	TH 202
The metabolic correlate of dementia in Parkinson's disease: A 18F-FDG-PET imaging study. <i>Haussermann</i>	TH 203
Are the deficits in working memory the core of cognitive impairment in schizophrenia? <i>Jeong</i>	TH 204
A combined fMRI and ERP study of facial emotion recognition deficits in schizophrenia. <i>Johnston</i>	TH 205*
Brain electrical activity imaging during performance of the Iowa Gambling Task in subjects diagnosed with posttraumatic stress disorder (PTSD). <i>Juric</i>	TH 206
Simultaneous functional magnetic resonance imaging (fMRI) and event-related potential (ERP) analysis of neurobiological correlates of disturbed cognitive functions in patients with schizophrenia. <i>Karch</i>	TH 207
Covariance of thalamic atrophy and cognitive performance in Huntington's disease, as investigated by voxel-based morphometry. <i>Kassubek</i>	TH 208
Regional cerebral atrophy and neuropsychological deficits in Huntington's Disease: A voxel-based morphometry study. <i>Kassubek</i>	TH 209
Functional Connectivity Differences during Working Memory in Non-medicated Schizophrenic Patients Who Exhibit Preserved and Deteriorated Intellects: a PET study. <i>Koch</i>	TH 210
Imaging the development of attentional networks and their dysfunctions in children with Attention Deficit Hyperactivity Disorder (ADHD). <i>Konrad</i>	TH 211
Identifying Discriminative fMRI Activation Signatures in Alzheimer's Disease: Studying a Series of Semantic Decision Tasks. <i>Kontos</i>	TH 212
Functional MRI signature of generalized 2-3/s spike and wave discharges and its association with absence seizures. <i>Laufs</i>	TH 213
Limbic-Paralimbic Dysfunction in Schizophrenia During Goal-Directed Stimulus Processing. <i>Laurens</i>	TH 214
EEG and radiothermographic mapping in Chernobyl patients during cognitive performance. <i>Lavrova</i>	TH 215
Resting cerebral FDG metabolism in DOWN syndrome. <i>Lengyel</i>	TH 216
Is structural MRI of entorhinal cortex useful as screening examination of developmental intellectual disabilities? <i>Makino</i>	TH 217
The neural mechanisms underlying local visual search in autistic adolescents. <i>Manjaly</i>	TH 218
Functional MRI mapping of brain activation during visually guided saccades and antisaccades in schizophrenia: cortical and sub-cortical networks. <i>Matsuda</i>	TH 219
Area-specific features of nonlinear EEG complexity and cognitive evoked potentials in stroke patients. <i>Molnár</i>	TH 220
The impairment of mirror system in Asperger syndrome. <i>Mori</i>	TH 221
Decreased Neuronal Activity in Right Hemisphere Attentional Network Observed in Adults Diagnosed with Attention Deficit Hyperactivity Disorder. <i>Mulligan</i>	TH 222
Cognitive-imaging relationship in mild cognitive impairments of vascular origin: Analysis of the study population of 505 cases. <i>Nagy</i>	TH 223

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\* Oral presentation.

<b>Patterns of BOLD response to cognitive interference in PD patients on levodopa medication: a comparison between short and long term withdrawal of therapy.</b> <i>Nicoletti</i>	TH 224
<b>Attention Deficits in Survivors of Childhood Cancer are Associated with Decreased Lateral Occipital and Anterior Cingulate Activation during a Continuous Performance Test.</b> <i>Ogg</i>	TH 225
<b>Structural Imaging Genomics of DISC1 &amp; SERT: A Novel and Complimentary Approach to Genetic Association in Human Populations.</b> <i>Pezawas</i>	TH 226
<b>An fMRI Study of Attentional Regulation in Panic Disorder.</b> <i>Pillay</i>	TH 227
<b>Hypofrontality in schizophrenia and bipolar disorder: functional abnormalities revealed by fMRI.</b> <i>Polosan</i>	TH 228
<b>Normal and abnormal brain tissue volumes and neuropsychological status in Relapsing-Remitting Multiple Sclerosis.</b> <i>Quarantelli</i>	TH 229
<b>Multiple regional cerebral account for unawareness of cognitive impairment in AD.</b> <i>Salmon</i>	TH 230
<b>Resting Regional Cerebral Blood Flow of Schizophrenic Patients at Two Time Points during a Neuroleptic-Free Period: Another Look at Hypofrontality.</b> <i>Sarpal</i>	TH 231
<b>Imaging Brain Activation during Anticipation of Rewards in Adolescents with ADHD and Normal Controls.</b> <i>Scheres</i>	TH 232
<b>Altered benzodiazepine receptor sensitivity in alcoholism: A study with fMRI and acute lorazepam challenge.</b> <i>Schlösser</i>	TH 233
<b>Functional and structural evidence of executive function abnormalities in individuals with Autistic Spectrum Disorder (a combined ER-fMRI and VBM study).</b> <i>Schmitz</i>	TH 234
<b>Neural correlates of episodic encoding and recognition of words in unmedicated patients during an acute episode of schizophrenia: A functional MRI study.</b> <i>Siedentopf</i>	TH 235
<b>An fMRI Investigation of Mental Rotation in High-Functioning Autism and Asperger's Syndrome: A Comparison to Mathematically Gifted Adolescents.</b> <i>Silk</i>	TH 236
<b>An fMRI Investigation of Mental Rotation in Attention Deficit Hyperactivity Disorder.</b> <i>Silk</i>	TH 237
<b>Functional loss of angular gyrus in adolescents with early exposure to lead performing a verb generation task: An fMRI study.</b> <i>Sohn</i>	TH 238
<b>Potential Evidence for Delayed Brain Maturation in ADHD.</b> <i>Steinberg</i>	TH 239
<b>Reduced Intercorrelations of SPECT rCBF in ADHD vs. Normal Children.</b> <i>Steinberg</i>	TH 240
<b>A pilot study on the attentional modulation of somatosensory activation in blind and sighted persons.</b> <i>Sterr</i>	TH 241
<b>Impact of Alertness-Training on Hemineglect: Behavioral and Imaging Data.</b> <i>Thimm</i>	TH 242
<b>Repetitive sensorimotor events modulate the magnitude and functional coupling of brain rhythmicity in human temporal cortex: a Seeg coherence study.</b> <i>Vecchio</i>	TH 243
<b>Antipsychotic Drug Effect and Frontal Activity: A prospective, longitudinal fMRI-study in acutely ill manic patients.</b> <i>Vollmert</i>	TH 244
<b>Functional changes in activation of retinotopic visual cortex in patients with right parietal damage and left visuospatial neglect.</b> <i>Vuilleumier</i>	TH 245*
<b>Left temporal lobe epilepsy disrupts brain networks as detected by functional connectivity.</b> <i>Waites</i>	TH 246
<b>Differential verbal working memory dysfunction in deficit and non-deficit schizophrenia.</b> <i>Wolf</i>	TH 247

### Imaging Techniques

Thursday, June 17 11:00–12:00 (Odd—TH 248–TH 397)  
 13:00–14:00 (Even—TH 248–TH 397)  
 16:30–17:30 (All—TH 248–TH 397)

<b>Effects of Voxel Size Dimensions on the Distribution of Brain FA Values in Diffusion Tensor Imaging.</b> <i>Alexander</i>	TH 248
<b>Functional anatomy of corpus callosum and commissural fiber tracts associated with a finger-tapping task using diffusion imaging.</b> <i>Anami</i>	TH 249
<b>Casper: A friendly and intuitive ghost-correction algorithm.</b> <i>Andersson</i>	TH 250
<b>Effects of Rotating Phase-Encode Gradient Direction on EPI Coverage and BOLD Localization.</b> <i>Baker</i>	TH 251
<b>Site-specific monitoring of cerebral vascular hemodynamics with dynamic optical tomography.</b> <i>Barbour</i>	TH 252
<b>TMS Brain Activation Using [17F]CH3F/PET to Measure rCBF.</b> <i>Barnhart</i>	TH 253
<b>Analysis of single-trial visual-evoked potentials during simultaneous fMRI.</b> <i>Becker</i>	TH 254
<b>Verbal working memory and phonological processing: An fMRI study.</b> <i>Beneventi</i>	TH 255

\* Oral presentation.

A new system for continuous full-band EEG recording during fMRI. <i>Berkes</i>	TH 256
Neural Correlates of First- and Third-Person-Perspective in Spatial and Mental Perspective Taking. <i>Bewernick</i>	TH 257
On the detection limit of current induced phase changes in Magnetic Resonance Imaging at 15 T: single- versus multi-spin-echo techniques. <i>Bianciardi</i>	TH 258
Single-shot SENSE EPI-based MR-venography. <i>Bodurka</i>	TH 259
The integrated use of null and false activation studies in fMRI investigations. <i>Brammer</i>	TH 260
A General Linear Model for MEG Beamformer Imaging. <i>Brookes</i>	TH 261
MEG Correlates of the fMRI BOLD Response to Visual Stimulation. <i>Brookes</i>	TH 262*
The Effects of Nicotine on the Blood Oxygen Level Dependent Response at Functional MR Neuroimaging of Habitual Smokers. <i>Bruhn</i>	TH 263
Knowledge-based self-organization network for the visualization and reconstruction of the brain. <i>Chuang</i>	TH 264
Spatial Resolution, Signal-to-Noise Ratios, and Smoothing in Multi-Subject fMRI. <i>Constable</i>	TH 265
Hysteresis effects in the BOLD response. <i>D'Ardenne</i>	TH 266
MRI Sensitivity and Imaging Speed Improvements With a 16-Channel Receive-Only Brain Coil Array at 3.0 Tesla. <i>de Zwart</i>	TH 267*
Anticipatory event-related potentials during the expectancy of electrical and laser painful stimulations. <i>Del Percio</i>	TH 268
A test-retest study of dynamic optical tomography of cerebral vascular hemodynamics. <i>Di Martino</i>	TH 269
Dehydration and fluid intake confound the assessment of brain atrophy. <i>Duning</i>	TH 270
Group ICA of fMRI Toolbox (GIFT). <i>Egolf</i>	TH 271
Scale-free brain functional networks. <i>Eguiluz</i>	TH 272
Spatial correlations in human cerebrocortical hemodynamics assessed by NIRS imaging. <i>Eke</i>	TH 273
Estimation of the Temporal Resolving Power of Spin Echo and Gradient Echo fMRI at 3 T. <i>Elliott</i>	TH 274
BrainCAD: a complex, extensible image processing tool for multimodality imaging. <i>Emri</i>	TH 275
Visualization of the Stria of Gennari using a high resolution FSE sequence at 4.7 T. <i>Fernández-Seara</i>	TH 276
Efficient retinotopic mapping of occipital cortex through application of a multi-focal paradigm to fMRI. <i>Foster</i>	TH 277
Diffuse optical imaging of the whole head. <i>Franceschini</i>	TH 278
Hunting for Neuronal Currents: Absence of Rapid MRI Signal Changes During Visual Evoked Response. <i>Fukunaga</i>	TH 279
Functional MR imaging of the human spinal cord at 1.5 T. <i>Giove</i>	TH 280
Finding the target for rTMS: An alternative approach to frameless stereotactic systems. <i>Habedank</i>	TH 281
Tactile stimulation in term neonates measured by non-invasive functional near-infrared spectroscopy. <i>Haensse</i>	TH 282
On the use of quantitative T2* mapping in language studies at 1.5 T. <i>Hagberg</i>	TH 283
Multifocal functional magnetic resonance imaging of human visual cortex. <i>Henriksson</i>	TH 284
Temporal correlation in fMRI examined by scaled windowed variance. <i>Herman</i>	TH 285
fMRI Analysis Improvement Using Total Variation Regularization and Multi-Resolution Wavelet Packet Based. <i>Hernandez</i>	TH 286
Mechanical vibration during diffusion tensor imaging. <i>Hiltunen</i>	TH 287
Mounting MR eyetracker sensor to GE head coil. <i>Hirvonen</i>	TH 288
Functional MRI Studies of REM Sleep at 3.0 Tesla. <i>Hong</i>	TH 289
Dissociation of electrical and hemodynamic responses during hyper-oxygenation measured with EEG and NIR spectroscopy. <i>Horovitz</i>	TH 290
Using Peak Hemodynamic Activation Time as a Measure of Spatial Sensitivity in Spin Echo fMRI. <i>Hulvershorn</i>	TH 291
Optimization of brain tissue contrast in MRI based on T1 relaxation. <i>Ikonomidou</i>	TH 292
Evaluation of General-Purpose Fiber-Optic Interaction Device for Use in MRI. <i>Jackson</i>	TH 293
The Reproducibility of Glutamate/Glutamine in 1 H MRS at 1.5 T. <i>Jang</i>	TH 294
Rendering the brain image by luminance and texture matching. <i>Ji</i>	TH 295
fMRI Phantom for an MR Imager. <i>Joensuu</i>	TH 296
Simultaneous EEG and fMRI Study of Working Memory. <i>Jung</i>	TH 297
Spectrum analysis of Optical Topography signal pulsation. <i>Kawaguchi</i>	TH 298
Comparison of phase and magnitude of the MR signal in measuring neuronal activity [for Petes' sake]. <i>Kilner</i>	TH 299

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\* Oral presentation.

Color Variance Adjustment for the Representation of Anisotropic Tissues with Diffusion Tensor Imaging Data. <i>Kim</i>	TH 300
Inter-and outer-cortical surface reconstruction using partial volume classification and a Laplacian field (CLASP). <i>Kim</i>	TH 301
Noise-free Magnetoencephalography (MEG) recordings of Brain Function and Precision Source Localization. <i>Kraus, Jr.</i>	TH 302
Spatial and temporal localization of cerebral oxygen consumption and supply using writing-event related-NIRS-imaging. <i>KUMOI</i>	TH 303
Using simultaneous EEG-MRI to test the feasibility of directly detecting neuronal currents associated with alpha wave activity by MRI. <i>Leach</i>	TH 304
Functional MRI Using Regularized Sensitivity Encoded Echo-Planar Imaging. <i>Lin</i>	TH 305
How much 'luxury' is there in 'Luxury Perfusion'? An analysis of the BOLD signal in human V1 and V2. <i>Marcar</i>	TH 306
Simultaneous Magnetoencephalography and SQUID Detected Nuclear Magnetic Resonance in Microtesla Magnetic Fields. <i>Matlachov</i>	TH 307
Nonlinear effects in the BOLD response for short visual stimulus duration: a combined EEG-fMRI study. <i>Mendichovszky</i>	TH 308
High-resolution, multi-frequency BOSS fMRI at 1.5 T. <i>Miller</i>	TH 309
Emergence of distributed BOLD related with long-range phase synchronization during a mental task studied by human simultaneous fMRI and EEG. <i>Mizuhara</i>	TH 310
fMRI correlates of fast and slow alpha-rhythm fluctuations during total darkness. <i>Moosmann</i>	TH 311
Quantitative Measurement of Localised Absolute Water Content using the TAPIR Pulse Sequence. <i>Neeb</i>	TH 312
A Multi-Subject Study of Motor Task Modulation of EEG-Alpha-Rhythm/fMRI Correlation. <i>Niazy</i>	TH 313
Toward three-dimensional probabilistic anatomical cranio-cerebral correlation via the international 10–20 system oriented for transcranial functional brain mapping. <i>Okamoto</i>	TH 314
Integration of Functional and Diffusion Tensor MRI: a Preliminary Study on Motor Circuits. <i>Park</i>	TH 315
DoDTI: A Diffusion Tensor Analysis Tool. <i>Park</i>	TH 316
Perfusion-based high-resolution fMRI in the primate brain using a novel vertical large-bore 7 Tesla setup. <i>Pfeuffer</i>	TH 317
Correspondence of fMRI BOLD responses and source localisation results of ERP components. <i>Prippl</i>	TH 318
Concurrent Recording of 40-Hz Auditory Steady State Response and Functional MRI. <i>Purdon</i>	TH 319
Resistance-based Recording of Pen Trajectories in an fMRI setting. <i>Reithler</i>	TH 320
fMRI activation maps based on the NN-ARX model. <i>Riera</i>	TH 321
A de-blurring method to remove the effect of nuisance tissues from NIRs signals. <i>Riera</i>	TH 322
Correlates of Resting-Brain EEG-Rhythms in fMRI. <i>Ritter</i>	TH 323
Linking retinotopic fMRI mapping and anatomical probability maps of human occipital areas V1 and V2. <i>Ritzl</i>	TH 324
SAM(g2)—A New Functional Imaging Method for MEG. <i>Robinson</i>	TH 325
Replication of Standard EEG/ERP—Waveform derived from simultaneously recorded EEG and fMRI: Results on EEG and fMRI. <i>Sammer</i>	TH 326
Validation of NIR Topography with Sensorimotor Cortex Measurements in 31 Healthy Subjects. <i>Sato</i>	TH 327
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\* Oral presentation.

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\* Oral presentation.