

# CURRICULUM VITAE

NAME: Christian Windischberger, Ph.D.  
BORN: April 19<sup>th</sup>, 1973  
MAILING ADDRESS: Weidmannngasse 10/11, A-1170 Vienna, Austria  
CURRENT ADDRESS: MR Center of Excellence, Center for Biomedical Engineering and Physics,  
Medical University of Vienna, Lazarettgasse 14, A-1090 Vienna, Austria

## HIGHER EDUCATION:

1987-1992: HTL for Electrical Engineering  
1992-1998: Study of Technical Physics at the University of Technology Vienna  
since 03/1995: additional study of Medicine at the University of Vienna  
25.09.1998: M.Sc.-Degree (Dipl.-Ing.) in Technical Physics  
10.10.2001: Ph.D.-Degree (Dr. techn.), University of Technology Vienna  
since 2003: Study of Dr. med. sci. at the Medical University of Vienna  
Foreign language: English (fluent), German (native)  
Computer Knowledge: Unix, Linux, WinXP, Win2000, MacOSX and various applications  
Programming: C, C++, IDEA, IDL, Matlab, bash, Basic, Pascal, Fortran

## EMPLOYMENT HISTORY:

06/1996-12/2003: Research assistant at the Institute for Medical Physics at the University of Vienna  
08/1996: Employed at the department of Medical Engineering of  
SIEMENS Program- and System development, Vienna  
1996-1998: Tutor at the Institute of Anatomy at the University of Vienna  
1998-1999: Tutor at the Institute of Medical Physics at the University of Vienna  
1999-2000: Lecturer at the Institute of Medical Physics at the University of Vienna  
02/2003-01/2004: Civil service at the ENT-department, General Hospital Vienna  
since 2004: Lecturer at the Center for Biomedical Engineering and Physics at the Medical  
University of Vienna  
since 2004: Lecturer for functional MRI at the “Applied MR Course, Advanced Techniques” of  
the ESMRMB School of MRI courses  
08/2004-09/2005: Research assistant at the Center for Biomedical Engineering and Physics, Medical  
University of Vienna  
10/2005-11/2006: Research assistant at the Department of Psychiatry, Medical University of Vienna  
12/2006-10/2007: Research assistant at the Center for Biomedical Engineering and Physics, Medical  
University of Vienna  
since 11/2007 Assistant Professor at the Center for Biomedical Engineering and Physics, Medical  
University of Vienna  
since 7/2008 Associate Professor for Medical Physics at the Center for Biomedical Engineering  
and Physics, Medical University of Vienna

## CHRISTIAN WINDISCHBERGER, PHD

### PUBLICATIONS:

- P1) Baumgartner R, Windischberger C, Moser E: Quantification in functional magnetic resonance imaging: Fuzzy Clustering vs. Correlation Analysis. *Magn Reson Imaging* 16, 115-125, 1998
- P2) Sedivy R, Windischberger C: Fractal analysis of a breast carcinoma--presentation of a modern morphometric method. *Wien Med Wochenschr* 148(14):335-337, 1998
- P3) Moser E, Baumgartner R, Barth M, Windischberger C: Explorative signal processing in functional MR Imaging. *IJIST* 10:166-176, 1999
- P4) Sedivy R, Windischberger C, Svozil K, Moser E, Breiteneker G: Fractal analysis: an objective method for identifying atypical nuclei in dysplastic lesions of the cervix uteri. *Gynecol. Oncol* 75:78-83, 1999
- P5) Erdler M, Beisteiner R, Mayer D, Kaindl T, Edward M, Windischberger C, Lindinger G, Deecke L: Supplementary motor activation preceding voluntary movement is detectable with a whole-scalp magnetoencephalography system. *Neuroimage* 11:697-707, 2000
- P6) Beisteiner R, Lanzenberger R, Novak K, Edward V, Windischberger C, Erdler M, Cunnington R, Gartus A, Streibl B, Moser E, Czech T, Deecke L: Improvement of presurgical evaluation by generation of fMRI risk maps. *Neurosci. Lett.* 290:13-16, 2000
- P7) Edward V, Windischberger C, Cunnington R, Erdler M, Mayer D, Endl W, Beisteiner R: Quantification of fMRI artifact reduction by a novel plaster cast head holder. *Human Brain Mapping* 11(3): 207-213, 2000
- P8) Windischberger C, Moser E, Barth M: Fuzzy Cluster Analysis of Functional MRI Data. in Adlassnig K-P (ed.) "Fuzzy Diagnostic and Therapeutic Decision Support", 2000
- P9) Alexander ME, Baumgartner R, Summers AR, Windischberger C, Klarhöfer M, Moser E, Somorjai RL: A Wavelet-Based Method for Improving Signal-to-Noise Ratio in MR Images. *Magn Reson Imaging* 18:169-180, 2000
- P10) Windischberger C, Moser E: Spatial resolution in echo planar imaging: Shifting the acquisition window in k-space. *Magn Reson Imaging* 18:825-834, 2000
- P11) Alexander ME, Baumgartner R, Windischberger C, Moser E, Somorjai RL: Wavelet Domain De-Noising in MR Image Sequences. *Magn Reson Imaging* 18:1129-1134, 2000
- P12) Mazal P, Haitel A, Windischberger C, Djavan B, Sedivy R, Moser E, Susani M: Spatial distribution of prostata cancers undetected on initial needle biopsies. *Europ J Urology* 39:662-668, 2001
- P13) Beisteiner R, Windischberger C, Lanzenberger R, Edward V, Cunnington R, Erdler M, Gartus A, Streibl B, Moser E, Deecke L: Finger Somatotopy in Human Motor Cortex. *Neuroimage* 13:1016-1026, 2001
- P14) Lamm C, Windischberger C, Moser E, Bauer H: Evidence for premotor cortex activity during dynamic visuo-spatial imagery from single-trial functional magnetic resonance imaging and event-related slow cortical potentials. *NeuroImage* 14:268-283, 2001
- P15) Erdler M, Windischberger C, Lanzenberger R, Edward V, Gartus A, Cunnington R, Deecke L, Beisteiner R: Dissociation of supplementary motor area and primary motor cortex in human subjects when comparing index and little finger movements with functional magnetic resonance imaging. *Neurosci Lett*, 313:5-8, 2001
- P16) Lamm C, Windischberger C, Leodolter U, Moser E, Bauer H: Co-registration of EEG and MRI data using matching of spline interpolated and MRI-segmented reconstructions of the scalp surface. *Brain Topogr* 14:93-100, 2001
- P17) Cunnington R, Windischberger C, Deecke L, Moser E: The preparation and execution of self-initiated and externally-triggered movement: a study of event-related fMRI. *NeuroImage*, 15:373-385, 2002

- P18) Barth M, Windischberger C, Klarhöfer M, Moser E: Characterization of BOLD Activation in Multi-Echo fMRI Data using Fuzzy Cluster Analysis and a Comparison with Quantitative Modeling. *NMR Biomedicine*, 14:484-489, 2001
- P19) Windischberger C, Barth M, Lamm C, Schroeder L, Bauer H, Gur RC, Moser E: Fuzzy Cluster Analysis of High-Field Functional MRI Data. *Artif Intell Med*, 20:225-232, 2003
- P20) Windischberger C, Lamm C, Bauer H, Moser E: Consistency of inter-trial activation using single-trial fMRI: Assessment of regional differences. *Brain Res Cog Brain Res*, 13:129-138, 2002
- P21) Windischberger C, Langenberger H, Sycha T, Tschernko EM, Fuchsjäger-Meyerl G, Schmetterer L, Moser E: On the Origin of Respiratory Artifacts in BOLD-EPI of the Human Brain. *Magn Reson Imaging*, 20:575-582, 2002
- P22) Langenberger H, Shimizu Y, Windischberger C, Grampp S, Berg A, Ferlitsch K, Moser E: Bone Homogeneity Factor: An Advanced Tool for the Assessment of Osteoporotic Bone Structure in High-Resolution Magnetic Resonance Images. *Invest Radiol*, 38:467-472, 2003
- P23) Thurner S, Windischberger C, Moser E, Barth M: Fractal noise maps reveal human brain activity: a key for unbiased fMRI data analysis. *Physica A*, 326:511-521, 2003
- P24) Cunnington R, Windischberger C, Deecke L, Moser E: The preparation and readiness for voluntary movement: a high-field event-related fMRI study of the Bereitschafts-BOLD response. *NeuroImage*, 20:404-12, 2003
- P25) Windischberger C, Lamm C, Bauer H, Moser E: Human motor cortex activity during mental rotation. *NeuroImage*, 20:225-32, 2003
- P26) Robinson S, Windischberger C, Rauscher A, Moser E: Optimised 3 T EPI of the Amygdalae. *NeuroImage*, 22:203-10, 2004
- P27) Dimitriadou E, Barth M, Windischberger C, Hornik K, Moser E: A quantitative comparison of functional MRI cluster analysis. *Artif Intell Med*, 31:57-71, 2004
- P28) Shimizu Y, Barth M, Windischberger C, Moser E, Thurner S: Wavelet-based multifractal analysis of fMRI time series. *NeuroImage*, 22:1195-202, 2004
- P29) Windischberger C, Robinson S, Rauscher A, Barth M, Moser E: Robust Field Map Generation Using a Triple-Echo Acquisition. *JMRI*, 20:730, 2004
- P30) Robinson S, Hoheisel B, Windischberger C, Habel U, Lanzenberger R, Moser E: FMRI of the Emotions: Towards an Improved Understanding of Amygdala Function. *CMIR*, 1:115-129, 2005
- P31) Cunnington R, Windischberger C, Moser E: Premovement activity of the pre-supplementary motor area and the readiness for action: studies of time-resolved event-related functional MRI. *Hum Mov Sci*, 24:644-56, 2005
- P32) Cunnington R, Windischberger C, Robinson S, Moser E: The selection of intended actions and the observation of others' actions: a time-resolved fMRI study. *NeuroImage*, 29:1294-302, 2006
- P33) Lamm C, Windischberger C, Moser E, Bauer H: The functional role of premotor areas during mental rotation – an event-related functional magnetic resonance imaging study. *Neuroimage*, 36:1374-1386, 2007
- P34) Habel U, Windischberger C, Hoheisel B, Robinson S, Kryspin-Exner I, Gur RC, Moser E: Amygdala activation and facial expressions: explicit emotion discrimination versus implicit emotion processing. *Neuropsychologia*, 45:2369-77, 2007
- P35) Kasess C, Windischberger C, Cunnington R, Lanzenberger R, Pezawas L, Moser E: The suppressive influence of SMA on M1 in motor imagery revealed by fMRI and Dynamic Causal Modeling. *NeuroImage*, 40:828-37, 2008
- P36) Windischberger C, Cunnington R, Lamm C, Lanzenberger R, Langenberger H, Deecke L, Bauer H, Moser E: Brain Activity Movies: An unbiased analysis approach for exploring fMRI data. *Journal of Neuroscience Methods*, 169:222-30, 2008

- P37) Gerstl F, Windischberger C, Mitterhauser M, Wadsak W, Holik A, Kletter K, Moser E, Kasper S, Lanzenberger R: Multimodal imaging of human early visual cortex by combining functional and molecular measurements with fMRI and PET. *NeuroImage*, 41: 204-11, 2008
- P38) Derntl B, Windischberger C, Robinson S, Lamplmayr E, Kryspin-Exner I, Gur RC, Moser E, Habel U: Facial emotion recognition and amygdala activation are associated with menstrual cycle phase. *Psychoneuroendocrinology*, 33: 1031-1040, 2008
- P39) Windischberger C, Fürsatz M, Moser E: Correcting for physiological artefacts in functional MRI of the amygdala in single subjects and random-effect group results. Submitted
- P40) Lanzenberger R, Windischberger C, Geissler A, Gartus A, Tahamtan AR, Uhl F, Moser E, Deecke L, Beisteiner R: Hierachy of neural processing in Braille reading of early-blind subjects. Submitted
- P41) Windischberger C, Lanzenberger R, Holik A, Spindelegger C, Stein P, Moser U, Gerstl F, Fink M, Moser E, Kasper S: Area-specific modulation of neural activation comparing Escitalopram and Citalopram revealed by pharmacological fMRI at 3T. Submitted

#### **INVITED PRESENTATIONS:**

- I1) Metabolische Bildgebung. MR-Symposion - Vienna, 1999
- I2) Funktionelle Magnetresonanz bei 3 Tesla. Atomic Institute, University of Vienna – Vienna, 2000
- I3) EPI-BOLD based fMRI at 3 Tesla. Scientific Retreat – Gössing, 2002
- I4) Acquisition and Analysis of fMRI at 3 Tesla. University of Melbourne – Melbourne, 2003
- I5) “Movies” of human motor cortex activity. Brain Research Institute, University of Vienna – Vienna, 2004
- I6) Brain Activity Movies (BAM): Dynamische funktionelle MRT bei 3 Tesla. 4<sup>th</sup> Austrian fMRT-Symposium, Medical University of Vienna – Vienna, 2004
- I7) Functional MRI in deep brain regions. University of Melbourne – Melbourne, 2005
- I8) High-field MR methodology in psychiatric applications. DGPPN – Berlin, 2005
- I9) Emotion processing and the amygdala: influencing factors and clinical implications: 5<sup>th</sup> Austrian fMRT-Symposium – Salzburg, 2005
- I10) Hochfeld-MR Methoden in der Psychiatrie. Winter Seminar on Biological Psychiatry – Oberlech, 2006
- I11) High-field high-resolution fMRI in Vienna – the first decade. 214<sup>th</sup> PTB seminar on the occasion of the 10<sup>th</sup> anniversary of 3-T MR at PTB – Berlin, 2006
- I12) Pharmacological fMRI: CoE scientific retreat – Semmering, 2006
- I13) Konnektivitätsanalyse mittels DCM im kortikalen Motorsystem. 6<sup>th</sup> Austrian fMRT-Symposium – Innsbruck, 2006
- I14) Pharmacological fMRI of the limbic system comparing escitalopram and Citalopram. Winter Seminar on Biological Psychiatry – Oberlech, 2007
- I15) Functional MRI. Neurobiologie der Psychotherapie – Munich, 2007

#### **PUBLISHED SCIENTIFIC PRESENTATIONS:**

- A1) Windischberger C, Barth M, Moser E: Dreidimensionale funktionelle Magnetresonanz-Bildgebung des Gehirns bei 3 Tesla. *Meeting of the Austrian Society for Medical Physics, ÖPG - Vienna, 1997*
- A2) Berg A, Windischberger C, Moser E: Quality assessment for MRI on a high magnetic field whole body imaging system. *World Congress on Medical Physics and Biomedical Engineering - Nice, 1997*
- A3) Sedivy R, Windischberger C, Kohlberger P, Svolzil K, Breitenegger G: Fractal Dimension - a new mathematical tool for the characterization of cervical epithelium. *Fakultätsvorlesung AKH Wien, 1998*

- A4) Windischberger C, Beisteiner R, Edward V, Kaindl T, Erdler M, Moser E: Resolution enhanced Echo Planar Imaging at 3 Tesla. *Biomag* - Sendai, 1998
- A5) Beisteiner R, Windischberger C, Edward V, Kaindl T, Erdler M, Moser E: How do data analysis techniques influence neuronal localization with fMRI? A comparison of Fuzzy Cluster and Correlation Analysis regarding hand motor somatotopy. *Biomag* - Sendai, 1998
- A6) Edward V, Beisteiner R, Langenberger W, Barth M, Windischberger C, Kaindl T, Erdler M, Moser E: Analysis of visual stimulation data obtained during high resolution functional MR Imaging (HIFI) using Fuzzy Cluster Analysis (FCA) and a nonlinear motion-artifact reduction algorithm. *Biomag* - Sendai, 1998
- A7) Kaindl T, Beisteiner R, Edward V, Windischberger C, Erdler M, Moser E: Is Magnetoencephalography superior to EPI fMRI in localizing neuronal activity? *Biomag* - Sendai, 1998
- A8) Erdler M, Beisteiner R, Kaindl T, Edward V, Windischberger C, Deecke L: Homuncular mapping of the human motor cortex with a whole scalp MEG system. *Biomag* - Sendai, 1998
- A9) Windischberger C, Moser E: Retrospektive Bestimmung physiologischer Bewegungen in der funktionellen Kernspintomographie. *Joint Meeting of the Austrian Society for Biomedical Engineering and the Austrian Society for Medical Physics, ÖGBT and ÖGMP* - Vienna, 1998
- A10) Windischberger C, Barth M, Moser E: 256 by 256 single shot EPI at 3 Tesla. *4th Meeting of the Organization for Human Brain Mapping, HBM* - Montreal, 1998
- A11) Moser E, Windischberger C: High resolution Echo Planar Imaging analyzed by Fuzzy Clustering allows physiological monitoring in functional MRI. *4th Meeting of the Organization for Human Brain Mapping, HBM* - Montreal, 1998
- A12) Beisteiner R, Windischberger C, Edward V, Kaindl T, Barth M, Erdler M, Moser E: Is MEG superior to EPI fMRI in localizing neuronal activity? *4th Meeting of the Organization for Human Brain Mapping, HBM* - Montreal, 1998
- A13) Moser E, Windischberger C: Separation of physiological motion artifacts in single-shot EPI to improve reproducibility for functional MRI studies. *6th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM* - Sydney, 1998
- A14) Baumgartner R, Windischberger C, Moser E: Fuzzy Clustering and Correlation Analysis of functional MR images: A quantitative comparison. *6th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM* - Sydney, 1998
- A15) Sedivy R, Windischberger C, Kohlberger P, Svozil K, Breitenecker G: Fraktale Dimension als neues mathematisch-diagnostisches Hilfsmittel zur Charakterisierung des Cervixepithels. *Meeting of the Austrian Pathological Society, ÖPG* - Vienna, 1998
- A16) Sedivy R, Windischberger C, Kohlberger P, Svozil K, Breitenecker G: Fractal dimension - a new mathematical tool for characterization of the cervical epithelium. *Meeting of the German Pathological Society, DPG* - Kassel, 1998
- A17) Windischberger C, Beisteiner R, Edward V, Kaindl T, Erdler M, Barth M, Klarhöfer M, Moser E: Auflösungsverlechterung durch Verschiebung der Nullphasenposition bei single-shot EPI, *2. Tagung der dt. Sektion der International Society for Magnetic Resonance in Medicine, ISMRM* - Freiburg, 1998
- A18) Sedivy R, Windischberger C, Budinsky AC, Köstler WJ, Zielinski CC: Visualisation of TNF modulation on growth kinetics in breast cancer cell lines by Poincare maps. *Fakultätsvorlesung AKH Wien*, 1998
- A19) Sedivy R, Windischberger C, Haverkamp C, Wolf G: Quantification of the infiltrative growth gattern of breast cancer by fractal analysis. *Fakultätsvorlesung AKH Wien*, 1999
- A20) Windischberger C, Lamm C, Bauer H, Moser E: Mental rotation using 3D-Cubes studied by functional MRI. *16th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB* - Sevilla, 1999
- A21) Windischberger C, Moser E: Improving signal-to-noise in single-shot echo-planar imaging. *16th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB* - Sevilla, 1999
- A22) Lamm C, Windischberger C, Leodolter U, Doleisch H, Moser E, Bauer H: Coregistration of MR and EEG coordinate systems: accuracy of matching spline-interploated with MRI-derived head surfaces. *16th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB* - Sevilla, 1999
- A23) Cunningham R, Windischberger C, Moser E: High temporal resolution fMRI reveals details of haemodynamic response timecourses in different motor cortical areas for single actions. *16th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB* - Sevilla, 1999
- A24) Lamm C, Windischberger C, Moser E, Bauer, H: Coregistration of slow potential topography and fMRI in a spatial task. *7th International Conference on Cognitive Neuroscience* - Budapest 1999

- A25) Barth M, Windischberger C, Moser E: Spiral imaging and fuzzy cluster analysis in single-trial fMRI. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A26) Beisteiner R, Edward V, Langenberger K, Barth M, Windischberger C, Erdler M, Cunnington R, Moser E: Event related fMRI with simultaneous high temporal and high spatial resolution and without relevant image distortion. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A27) Edward V, Beisteiner R, Windischberger C, Cunnington R, Erdler M, Kaindl T: Phase coherence in FFT of fMRI time series is a highly sensitive head motion indicator. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A28) Moser E, Jungbauer P, Gharabaghi M, Windischberger C, Lang W: Fuzzy clustering of dynamic susceptibility contrast MRI at 3 Tesla. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A29) Windischberger C, Barth M, Beisteiner R, Cunnington R, Edward V, Erdler M, Kaindl T, Moser E: Fuzzy clustering as a model-free analysis method in single-event fMRI. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A30) Edward V, Beisteiner R, Cunnington R, Windischberger C, Kaindl T, Erdler M, Zachar A, Endl W, Mayer D: Quantification of the effectiveness of a novel plaster cast helmet head fixation device. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A31) Beisteiner R, Windischberger C, Edward V, Cunnington R, Erdler M, Endl W, Kaindl T, Moser E: Macrovascular differentiation but microvascular overlap of human hand motor somatotopy. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A32) Cunnington R, Windischberger C, Barth M, Beisteiner R, Edward V, Erdler M, Kaindl T, Moser E: Single-event functional MRI of supplementary and primary motor cortical areas. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A33) Erdler M, Beisteiner R, Mayer D, Edward V, Kaindl T, Windischberger C, Cunnington R, Deecke L: Homuncular organization of finger representation in the human motor cortex as studied by whole head magnetoencephalography. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A34) Windischberger C, Beisteiner R, Edward V, Endl W, Erdler M, Cunnington R, Streibl B, Moser E: Finger somatotopy in the human motor cortex: A comparison of fuzzy cluster and correlation analysis. *5th Meeting of the Organization for Human Brain Mapping, HBM - Düsseldorf, 1999*
- A35) Alexander M E, Baumgartner R, Somorjai R L, Summers A R, Windischberger C, Moser E: De-Noising of MR images to improve signal-to-noise ratio. *7th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Philadelphia, 1999*
- A36) Windischberger C, Beisteiner R, Cunnington R, Edward V, Kaindl T, Erdler M, Moser E: Fuzzy Cluster Analysis of single-event functional MRI in the human motor cortex. *40th Experimental Nuclear Magnetic Resonance Conference, ENC - Orlando, 1999*
- A37) Windischberger C, Lamm C, Bauer H, Moser E: Paradigm-free fuzzy cluster analysis of a mental rotation paradigm at 3 Tesla. *17th Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology, ESMRMB - Paris, 2000*
- A38) Lamm C, Windischberger C, Moser E, Bauer H: Untersuchung höherer kognitiver Prozesse mittels fMRT und EEG. *35. Jahrestagung der Deutschen Gesellschaft für Neuroradiologie - Marburg, 2000*
- A39) Gartus A, Erdler M, Mayer D, Edward V, Lanzenberger R, Windischberger C, Deecke L, Beisteiner R: Influence of dipole fit time window on the quality of finger somatotopy. *12th International Conference in Biomagnetism, Biomag - Helsinki, 2000*
- A40) Windischberger C, Lamm C, Bauer H, Moser E: Whole-Cortex fMRI with Single-Trial Analysis of a Mental Rotation Paradigm at 3 Tesla. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A41) Windischberger C, Beisteiner R, Edward V, Erdler M, Lanzenberger R, Cunnington R, Streibl B, Gartus A, Moser E: Use of Minimum Cluster Size Criteria in functional MRI of the Human Sensorimotor Cortex at 3 Tesla. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A42) Streibl B, Uhl F, Windischberger C, Lanzenberger R, Edward V, Erdler M, Cunnington R, Deecke L, Beisteiner R: A Device for flexible tactile Stimulation inside a NMR-unit. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*

- A43) Edward V, Windischberger C, Cunnington R, Erdler M, Mayer D, Endl W, Beisteiner R: Testing a plaster cast head fixation device's ability to restrict voluntary head motion in fMRI. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A44) Erdler M, Windischberger C, Cunnington R, Lanzenberger R, Edward V, Gartus A, Streibl B, Moser E, Deecke L, Beisteiner R: Execution of comparable movements with different practice levels evokes differences of SMA activation as detected with FMRI at 3T. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A45) Beisteiner R, Windischberger C, Lanzenberger R, Edward V, Cunnington R, Erdler M, Gartus A, Streibl B, Moser E, Deecke L: Highly significant somatotopy of the human motor hand area as investigated with 3T FMRI on 46 subjects. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A46) Lanzenberger R, Uhl F, Streibl B, Windischberger C, Edward V, Erdler M, Cunnington R, Gartus A, Moser E, Beisteiner R: FMRI of Braille reading blind subjects. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A47) Edward V, Windischberger C, Cunnington R, Erdler M, Gartus A, Moser E, Beisteiner R: A Novel Plaster cast head fixation device reduces variability of fMRI activation results. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A48) Beisteiner R, Lanzenberger R, Novak K, Edward V, Windischberger C, Erdler M, Cunnington R, Gartus A, Streibl B, Moser E, Czech T, Deecke L: Improved presurgical definition of functional high risk areas. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A49) Lamm C, Windischberger C, Moser E, Bauer H: The role of motor and premotor areas in mental rotation: combined evidence from slow cortical potential and fMRI coregistration. *6th Meeting of the Organization for Human Brain Mapping, HBM - San Antonio, 2000*
- A50) Windischberger C, Lamm C, Bauer H, Moser E: Combining whole-cortex acquisition and single-trial analysis in functional MRI of the human brain at 3 Tesla. *41st Experimental Nuclear Magnetic Resonance Conference, ENC - Pacific Grove, 2000*
- A51) Sedivy R, Windischberger C, Wolf G: Quantification of the invasion pattern in breast cancer. *84th Meeting of the German Pathological Society - Kiel, 2000*
- A52) Windischberger C, Langenberger H, Sycha T, Schmetterer L, Moser E: The effects of respiration patterns on EPI time courses. *8th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Denver, 2000*
- A53) Windischberger C, Lamm C, Bauer H, Moser E: Single-Trial Analysis and Whole-Brain Coverage in Functional MRI of a Mental Rotation Paradigm. *8th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Denver, 2000*
- A54) Langenberger H, Windischberger C, Sycha T, Tschernko E, Fuchsjäger-Mayerl G, Schmetterer L, Moser E: Über die Entstehung atmungsabhängiger Artefakte im funktionellen MRT. *82th Deutscher Röntgenkongress and 3rd Gemeinsamer Kongress der DRG und ÖRG – Wiesbaden, 2001*
- A55) Windischberger C, Lamm C, Bauer H, Moser E: Human Motor Cortex Activity in Mental Rotation fMRI Analyzed by Fuzzy Cluster Analysis. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A56) Cunnington R, Windischberger C, Erdler M, Edward V, Beisteiner R, Moser E: Self-initiated and externally-cued movements studied with event-related functional MRI at 3 Tesla. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A57) Lanzenberger R, Windischberger C, Gartus A, Uhl F, Streibl B, Edward V, Erdler M, Moser E, Deecke L, Beisteiner R: Patterns of Deactivation in Blind and Sighted Subjects performing different tasks. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A58) Lanzenberger R, Uhl F, Windischberger C, Gartus A, Streibl B, Edward V, Erdler M, Moser E, Deecke L, Beisteiner R: Functional Activation in primary "Visual" Cortex of congenitally Blind Subjects. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A59) Beisteiner R, Lanzenberger R, Windischberger C, Edward V, Gartus A: MRI Risk Maps Separate Essential from Non-Essential Brain Areas. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A60) Erdler M, Windischberger C, Lanzenberger R, Edward V, Gartus A, Deecke L, Beisteiner R: Dissociation of supplementary motor area and primary motor cortex when comparing trained and non trained movements with fMRI. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*

- A61) Gartus A, Erdler M, Mayer D, Edward V, Lanzenberger R, Windischberger C, Deecke L, Beisteiner R: Stability of MEG Dipole Solutions Depending on Time Point and Filtering. *7th Meeting of the Organization for Human Brain Mapping, HBM - Brighton, 2001*
- A62) Windischberger C, Beisteiner R, Edward V, Erdler M, Lanzenberger R, Cunnington R, Streibl B, Gartus A, Moser E: Spatially Connected Activation in fMRI at 3 Tesla: Influence on Somatotopy in Human Sensorimotor Cortex? *Joint Meeting of the International Society for Magnetic Resonance in Medicine and the European Society for Magnetic Resonance in Medicine and Biology, ISMRM & ESMRMB - Glasgow, 2001*
- A63) Lanzenberger R, Uhl F, Windischberger C, Gartus A, Streibl B, Edward V, Moser E, Deecke L, Beisteiner R: Cross-Modal Plasticity in Congenitally blind subjects *Joint Meeting of the International Society for Magnetic Resonance in Medicine and the European Society for Magnetic Resonance in Medicine and Biology, ISMRM & ESMRMB - Glasgow, 2001*
- A64) Windischberger C, Moser E: Fuzzy Cluster Analysis of Cortical Responses to Two-Component Visual Paradigms: Comparison with Spatial- and Temporal-Independent Component Analysis. *19th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Nice, 2002*
- A65) Dimitriadou E, Windischberger C, Moser E, Hornik K, Barth M: An Exploratory Concept for Classifying Activation in Multi-Echo fMRI Data. *19th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Nice, 2002*
- A66) Moser E, Barth M, Windischberger C, Gruber S, Krssak M, Mlynarik V: Hochfeld (3T) in-vivo MR-Bildgebung und Spektroskopie: theoretische Vorteile, praktische Probleme und klinisches Potential. *Gemeinsame Jahrestagung der ÖGMP, DGMP und SG SMP - Gmunden, 2002*
- A67) Windischberger C, Lamm C, Bauer H, Moser E: Assessing the Temporal Characteristics of Brain Activation in Event-Related fMRI. *8th Meeting of the Organization for Human Brain Mapping, HBM - Sendai, 2002*
- A68) Windischberger C, Lanzenberger R, Barth M, Sycha T, Langenberger H, Moser E: Activity in Deep Brain Structures During Sexual Arousal Revealed by fMRI at 3 Tesla. *8th Meeting of the Organization for Human Brain Mapping, HBM - Sendai, 2002*
- A69) Barth M, Dimitriadou V, Windischberger C, Hornik K, Moser E: AveSure - Statistical Validation of fMRI Clustering Results. *8th Meeting of the Organization for Human Brain Mapping, HBM - Sendai, 2002*
- A70) Lanzenberger R, Windischberger C, Gartus A, Uhl F, Beisteiner R: Tactile imagery of Braille reading in blind subjects. *8th Meeting of the Organization for Human Brain Mapping, HBM - Sendai, 2002*
- A71) Langenberger H, Windischberger C, Sycha T, Tschernko E, Fuchsjaeger-Mayrl G, Schmetterer L: On the origin of respiratory artifacts in bold-EPI of the human brain. *88th Annual Meeting of the Radiological Society of North America RSNA – Chicago, 2002*
- A72) Windischberger C, Thurner S, Moser E, Barth M: Fractal Analysis of Noise in fMRI Time Series Reveals Brain Activity. *10th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Honolulu, 2002*
- A73) Lanzenberger R, Windischberger C, Gartus A, Geissler A, Barth M, Edward V, Uhl F, Moser E, Deecke L, Beisteiner R: Braille Reading and Tactile Imagery in Early Blind Subjects. *10th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Honolulu, 2002*
- A74) Dimitriadou E, Barth M, Windischberger C, Hornik K, Moser E: Detecting regions of interest in fMRI: an application on exploratory-based data analysis. *IEEE World Congress on Computational Intelligence – Honolulu, 2002*
- A75) Windischberger C, Rauscher A, Barth M, Moser E: A Multiple Echo Approach for Robust Correction of Geometrical Distortions in Echo Planar Imaging. *20th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*
- A76) Windischberger C, Cunnington R, Moser E: Basal Ganglia Activity During Internal Generation of Action. *20th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*
- A77) Windischberger C, Cunnington R, Moser E: Executed and Imagined Movement Studied with High Temporal Resolution at 3 Tesla. *20th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*
- A78) Shimizu Y, Windischberger C, Thurner S, Moser E, Barth M: Multifractal Analysis of fMRI Data. *20th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*
- A79) Robinson S, Moser E, Windischberger C, Rauscher A, Barth M: Optimized 3T EPI Enables fMRI of Amygdala Activation During Emotion Processing and Induction. *20th Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*

- A80) Kilzer M, Windischberger C, Moser E: A Quantitative Comparison of Algorithms for Physiological Artifact Correction. *20<sup>th</sup> Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Rotterdam, 2003*
- A81) Moser E, Sachs G, Windischberger C, Robinson S, Lamm C, Bauer H, Barth M: Funktionelle Hochfeld-Technologie in Psychiatrie und Psychotherapie. *Annual Meeting of the Deutsche Gesellschaft für Psychiatrie, Psychotherapie und Nervenheilkunde, DGPPN – Berlin, 2003*
- A82) Robinson S, Rauscher A, Windischberger C, Barth M, Moser E: Optimising BOLD-EPI of the Human Amygdala at 3T. *9th Meeting of the Organization for Human Brain Mapping, HBM – New York, 2003*
- A83) Cunnington R, Windischberger C, Moser E: Motor representations from self-selection of action and observing the actions of others. *9th Meeting of the Organization for Human Brain Mapping, HBM – New York, 2003*
- A84) Habel U, Klein M, Hoheisel B, Windischberger C, Krypin-Exner I, Moser E, Schneider F: Funktionelle Kernspintomographie von emotionalem Verhalten und Erleben. *DGPPN – Berlin, 2004*
- A85) Cunnington R, Windischberger C, Deecke L, Moser E: The Bereitschafts-BOLD response: Event-related fMRI of voluntary movement. *14<sup>th</sup> EPIC – Leipzig, 2004*
- A86) Windischberger C, Cunnington R, Robinson S, Deecke L, Moser E: Brain Activity Movies: A Novel Approach to Examining Spatio-Temporal Activation Characteristics. *10th Meeting of the Organization for Human Brain Mapping, HBM – Budapest, 2004*
- A87) Windischberger C, Kilzer M, Moser E: The importance of correcting for physiological artifacts for functional MRI in deep brain structures. *10th Meeting of the Organization for Human Brain Mapping, HBM – Budapest, 2004*
- A88) Lanzenberger R, Windischberger C, Geissler A, Barth M, Gartus A, Uhl F, Prayer D, Deecke L, Moser E, Beisteiner R: Lateralized calcarine activity in binocular symmetric and asymmetric blind subjects (fMRI). *10th Meeting of the Organization for Human Brain Mapping, HBM – Budapest, 2004*
- A89) Hoheisel B, Robinson S, Habel U, Windischberger C, Krypin-Exner I, Moser E: Robust amygdala activation during facial emotion processing. *10th Meeting of the Organization for Human Brain Mapping, HBM – Budapest, 2004*
- A90) Robinson S, Windischberger C, Rauscher A, Moser E: High Resolution 3T GR-EPI in the Caudal Brain. *12th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Kyoto, 2004*
- A91) Cunnington R, Windischberger C, Moser E: Timecourse of visual and motor activation during observation and self-selection of action using rapid event-related fMRI. *12th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Kyoto, 2004*
- A92) Windischberger C, Cunnington R, Robinson S, Deecke L, Moser E: Temporal Activation Features in Human Motor Cortex During Executed and Imagined Movements. *12th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Kyoto, 2004*
- A93) Laistler E, Windischberger C, Moser E: Fast field map acquisition using a triple-echo EPI technique, *22<sup>th</sup> Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Basle, 2005*
- A94) Windischberger C, Cunnington R, Hoheisel B, Deecke L, Moser E: Basal ganglia activation during predictable and randomized cued finger movements in Parkinson's disease patients, *22<sup>th</sup> Meeting of the European Society of Magnetic Resonance in Medicine and Biology, ESMRMB – Basle, 2005*
- A95) Windischberger C, Cunnington R, Hoheisel B, Deecke L, Moser E: Functional Magnetic Resonance Imaging of Subcortical Brain Structures in Parkinson's Disease Patients. PhD Symposium, *MUW – Vienna, 2005*
- A96) Hoheisel B, Habel U, Windischberger C, Robinson S, Krysin-Exner I, Moser E: The association of the amygdala to basic emotions. *11th Meeting of the Organization for Human Brain Mapping, HBM – Toronto, 2005*
- A97) Windischberger C, Hoheisel B, Cunnington R, Deecke L, Moser E: Activation in the basal ganglia of Parkinson's disease patients and healthy controls performing motor tasks, *12th Meeting of the Organization for Human Brain Mapping, HBM – Florence, 2006*
- A98) Windischberger C, Friedreich S, Hoheisel B, Moser E: The impact of physiological artifact correction on individual and group results in fMRI of the amygdala, *12th Meeting of the Organization for Human Brain Mapping, HBM – Florence, 2006*
- A99) Windischberger C, Hoheisel B, Cunnington R, Deecke L, Moser E: Emotion recognition in Parkinson's disease patients, *12th Meeting of the Organization for Human Brain Mapping, HBM – Florence, 2006*
- A100) Cunnington R, Windischberger C, Moser E: The supplementary motor area and the readiness for action: studies of time-resolved event-related fMRI, *12th Meeting of the Organization for Human Brain Mapping, HBM – Florence, 2006*

- A101) Hoheisel B, Habel U, Robinson S, Windischberger C, Prinz W, Kryspin-Exner I, Gur RC, Moser E, Different amygdala response to emotional faces in subjects from three ethnic groups, *12th Meeting of the Organization for Human Brain Mapping, HBM – Florence, 2006*
- A102) Windischberger C, Cunnington R, Hoheisel B, Deecke L, Moser E: Strength and Onset of Basal Ganglia Activation in Parkinson's Disease Patients and Healthy Subjects During Different Movement Conditions, *14th Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM - Seattle, 2006*
- A103) Kasess C, Cunnington R, Lanzenberger R, Pezawas L, Moser E, Windischberger C: Functional Connectivity in the Human Motor System During Motor Execution and Motor Imagery. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A104) Lanzenberger R, Windischberger C, Mitterhauser M, Spindelegger, Wadsak W, Moser U, Stein P, Friedreich S, Mien L-K, Holik A, Gerstl F, Ettliger D, Kletter K, Kasper S: Inverse relationship between neural activation and serotonin1A receptor expression revealed by multimodal neuroimaging with fMRI and PET. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A105) Windischberger C, Lanzenberger R, Friedreich S, Spindelegger C, Holik A, Stein P, Moser U, Moser E, Kasper S: Functional MRI of Emotion Discrimination: Reduced Amygdala Activation Following Ten Days of Treatment with Escitalopram. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A106) Derntl B, Habel U, Robinson S, Windischberger C, Lamplmayr E, Kryspin-Exner I, Gur RC, Moser E: The impact of culture on amygdala activation during explicit emotion recognition. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A107) Gerstl F, Windischberger C, Kasper S, Lanzenberger R: Combining PET and fMRI in the molecular and functional definition of the primary visual cortex. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A108) Fürsatz M, Moser E, Windischberger C: Metal-Free Responsebox with optical signal transmission for application at ultra-high fields. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A109) Friedreich S, Windischberger C, Lanzenberger R, Spindelegger C, Moser U, Stein P, Holik A, Moser E: Investigation of the fulfillment of statistical assumptions made on fMRI BOLD data. *13th Meeting of the Organization for Human Brain Mapping, HBM – Chicago, 2007*
- A110) Windischberger C, Lanzenberger R, Friedreich S, Spindelegger C, Holik A, Stein P, Moser U, Moser E, Kasper S: Escitalopram changes amygdala activation during emotional processing as revealed by pharmacological fMRI at 3T. *2<sup>nd</sup> International Congress on Biological Psychiatry – Santiago de Chile, 2007*
- A111) Lanzenberger R, Windischberger C, Mitterhauser M, Spindelegger, Wadsak W, Moser U, Stein P, Mien L-K, Holik A, Kletter K, Kasper S: Serotonin1A receptor level affects neural activation revealed by combining PET and functional MRI. *2<sup>nd</sup> International Congress on Biological Psychiatry – Santiago de Chile, 2007*
- A112) Holik A, Lanzenberger R, Windischberger C, Spindelegger C, Friedreich S, Stein P, Moser U, Kasper S: Cortisole modulates task performance in emotion discrimination during fMRI scanning. *2<sup>nd</sup> International Congress on Biological Psychiatry – Santiago de Chile, 2007*
- A113) Windischberger C, Lanzenberger R, Friedreich S, Spindelegger C, Holik A, Stein P, Moser U, Moser E, Kasper S: Administration of Selective Serotonin Reuptake Inhibitors Changes Amygdala Activation During Facial Emotion Processing. *15<sup>th</sup> Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM – Berlin, 2007*
- A114) Kasess C, Cunnington R, Lanzenberger R, Pezawas L, Moser E, Windischberger C: Connectivity Analysis during Motor Imagery and Motor Execution using DCM. *15<sup>th</sup> Meeting of the International Society for Magnetic Resonance in Medicine, ISMRM – Berlin, 2007*
- A115) Aigner M, Lenz G, Unger A, Tominschek I, Karch S, Pogarell O, Windischberger C, Moser E, Schiepek G: Real-time Monitoring und Bildgebung (fMRI): 2 Komplementäre Aspekte neurobiologisch fundierter Psychotherapie. *Selbstorganisation von Geist & Gehirn – Munich, 2007*
- A116) Hartinger B, Russo-Schwarzbaum S, Kasess C, Kandler B, Moser U, Erfurth A, Esterbauer H, Windischberger C, Kasper S, Moser E, Pezawas L: Behavioral correlates of morphometric brain measures. *3<sup>rd</sup> PhD-Symposium, Medical University of Vienna, 2007*
- A117) Fürsatz M, Moser E, Windischberger C: Metal-free Responsebox with optical signal transmission for application at ultra-high fields. *3<sup>rd</sup> PhD-Symposium, Medical University of Vienna, 2007*

- A118) Kandler B, Russo-Schwarzbaum S, Hartinger B, Kasess C, Moser U, Erfurth A, Esterbauer H, Windischberger C, Kasper S, Moser E, Pezawas L: Investigating brain networks of emotion that impact cognitive functioning optimization and validation of stimulus presentation. *3<sup>rd</sup> PhD-Symposium, Medical University of Vienna, 2007*
- A119) Kasess C, Cunnington R, Lanzenberger R, Moser E, Pezawas L, Windischberger C: Effective connectivity in the human motor system during motor execution and motor imagery. *3<sup>rd</sup> PhD-Symposium, Medical University of Vienna, 2007*
- A120) Russo-Schwarzbaum S, Hartinger B, Kasess C, Kandler B, Moser U, Erfurth A, Esterbauer H, Windischberger C, Kasper S, Moser E, Pezawas L: Surface-based and subcortical correlates of anxious temperament and depression-related behaviour. *3<sup>rd</sup> PhD-Symposium, Medical University of Vienna, 2007*
- A121) Hartinger B, Russo-Schwarzbaum S, Kasess C, Kandler B, Moser U, Erfurth A, Esterbauer H, Windischberger C, Kasper S, Moser E, Pezawas L: Behavioral correlates of morphometric brain measures. *VFWF Universitätsvorlesung – Vienna, 2007*
- A122) Lanzenberger R, Tempfer-Bentz EK, Wadsak W, Windischberger C, Stein P, Mitterhauser M, Spindelegger C, Holik A, Kletter K, Kasper S: How sex hormones influence the brain in men and women. *2<sup>nd</sup> International Congress of Gender Medicine – Vienna, 2007*
- A123) Fürsatz M, Windischberger C, Karlsson KÆ, Mayr W, Moser E: Valence - dependent modulation of hypothalamic activity. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A124) Windischberger C, Weissenbacher A, Gerstl F, Lanzenberger R, Moser E: The amygdalar resting-state network. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A125) Kasess C, Lanzenberger R, Pezawas L, Moser E, Windischberger C: Feedback connections within low-level emotion processing network revealed by Dynamic Causal Modelling. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A126) Weissenbacher A, Lanzenberger R, Moser E, Windischberger C: Increasing specificity of resting-state fMRI-data using multiple regression analysis. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A127) Hartinger B, Russo-Schwarzbaum S, Kasess C, Kandler B, Scharinger C, Pail G, Erfurth A, Esterbauer H, Windischberger C, Kasper S, Moser E, Pezawas L: Depression vulnerability is reflected in subgenual cingulate function. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A128) Windischberger C, Weissenbacher A, Gerstl F, Moser E, Lanzenberger R: Reduced orbitofrontal-amygdala resting-state connectivity in anxiety disorder patients. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A129) Derntl B, Windischberger C, Robinson S, Lamplmayr E, Kryspin-Exner I, Gur RC, Moser E, Habel U: Facial emotion recognition and amygdala activation across the menstrual cycle. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*
- A130) Gerstl F, Windischberger C, Lanzenberger R, Moser E, Kletter K, Kasper S: Multimodal Imaging combining fMRI and PET for the definition of early visual areas in humans. *14th Meeting of the Organization for Human Brain Mapping, HBM – Melbourne, 2008*