

## Curriculum vitae Prof. Dr. med. Cornelius Weiller

Current position Professor and head of department

Research Stroke, mechanisms of loss and recovery of brain function. Structural and functional brain imaging in the language and motor system

Address Albert-Ludwigs-Universität Freiburg  
Neurologische Universitätsklinik, Neurozentrum  
Breisacherstr. 64, D-79106 Freiburg i. Brsg.

Education 1976-1983 Study of Human Medicine in Gent, Erlangen and Aachen  
1984 ECFMG  
1987 Medical Doctor  
1993 Habilitation

Professional 1984-1990 Training in Pathology, Psychiatry and Neurology in Erlangen (Prof. V. Becker), Bonn (Prof. G. Huber) and Aachen (Prof. K. Poeck)  
1990-1991 Postdoc at the MRC Cyclotron Unit, Hammersmith Hospital, London (Prof. RSJ Frackowiak)  
1991-1996 Senior lecturer (C2) and Oberarzt at the Dep. of Neurology, Essen (Prof. HC Diener)  
1996-1999 Professor of Neurology (C4) and head of department of Neurology in Jena  
1999-2005 Professor of Neurology (C4) and head of department of Neurology in Hamburg  
from 01.04.05 Professor of Neurology (C4) and head of department of Neurology in Freiburg

Awards 1991+1993 Young investigators awards of ICBF society  
1994 Hugo-Spatz Preis der DGN  
1994-2003 Biomed II and 5<sup>th</sup> Framework: Coordinator in two large EU concerted actions  
1995- present Senior honorary Fellow, UCL, London, UK  
1998- present Kuratorium of the Tom-Wahlig Stiftung  
2000- present Fachgutachter/ Kollegiat DFG  
2001-2003 GAFOS Faculty  
2001- present Co-editor "Neurologie und Rehabilitation"  
2002 - present Editorial board "NeuroImage"  
2004- present Expert Evaluator, EU (6<sup>th</sup> +7<sup>th</sup> framework)  
2003- Director of the Lurija Institute, Konstanz  
2003 Founding Director of NeuroImage Nord  
2004- present Section Head – Faculty 1000, Neurology  
2004-present Scientific advisory board, "Brain"

Publications: > 200 original papers in peer reviewed journals

h- index: 50

„Top ten“ - cited publications

1. Weiller C, May A, Limmroth V, Jüptner M, Kaube H, v.Schayck R, Coenen HH, Diener HC (1995) Brain stem activation in spontaneous human migraine attacks. *Nature medicine* 1: 658-660
2. Weiller C., Chollet F, Wise RJS, Friston K., Frackowiak RSJ (1992) Functional reorganisation of the brain in recovery from striatocapsular infarction in man. *Ann Neurol* 31:463-472
3. Liepert J, Bauder U, Miltner WHR, Weiller C (2000) Treatment induced cortical reorganisation after stroke in humans. *Stroke*;31:1210-1216
4. Weiller C, Ramsay SC, Wise RJS, Friston KJ, Frackowiak RSJ (1993) Individual patterns of functional reorganization in the human cerebral cortex after capsular infarction. *Ann Neurol* 33:181-189
5. Warburton E, Wise RJS, Price CJ, Weiller C, Hadar U, Ramsay S, Frackowiak RSJ (1995) Studies with Positron Emission Tomography of Noun and Verb Retrieval by Normal Subjects. *Brain* 119:159-179
6. Howard D, Patterson K, Wise R, Brown WD, Friston K, Weiller C, Frackowiak RSJ (1992) The cortical localisation of the lexicons: PET evidence. *Brain* 115: 1769-1782
7. Weiller C., Isensee C., Rijntjes M., Huber W., Müller S., Bier D., Dutschka K., Woods R., Noth J., Diener HC (1995) Recovery from Wernicke`s Aphasia – A PET Study. *Ann Neurol* 37: 723-732
8. Ringelstein EB, Biniek R, Weiller C, Ammeling B, Nolte P, Thron A (1992) Type and extent of hemispheric brain infarctions and clinical outcome in early and delayed middle cerebral artery recanalization. *Neurology* 42: 289-298
9. Liepert J, Miltner WHR, Bauder H, Sommer M, Dettmers C, Taub E, Weiller C (1998) Motor cortex plasticity during constraint-induced movement therapy in stroke. *Neurosc Lett* 1998, 250: 5-8.
10. Jüptner M, Weiller C (1995) Does measurement of regional cerebral blood flow reflect synaptic activity – implications for PET and fMRI. *NeuroImage* 2 (2): 148-156

Some (other) personal favourites:

1. Weiller C, Ringelstein EB, Reiche W, Thron A, Buell U (1990) The large striatocapsular infarct: A clinical and pathophysiological entity. *Arch Neurol* 47: 1085-1091
2. Weiller C, Willmes K, Reiche W, Thron A, Isensee C, Buell U, Ringelstein EB (1993) The case of aphasia or neglect after striatocapsular infarction. *Brain* 116: 1509-1526
3. Weiller C, Isensee C, Rijntjes M, Huber W, Müller S, Bier D, Dutschka K, Woods R, Noth J, Diener HC (1995) Recovery from Wernicke's Aphasia - A PET Study. *Ann Neurol* 37: 723-732
4. Weiller C, Jüptner M, Fellows S, Rijntjes M, Leonhardt G, Kiebel S, Müller S, Diener HC, Thilmann AF (1996) Brain representation of active and passive movements. *NeuroImage* 4:105-110

5. Rijntjes M, Dettmers C, Büchel Ch, Kiebel S, Frackowiak RSJ, Weiller C (1999) A blueprint for movement. Functional and anatomical representations in the human motor system. *J neuroscience* 19(18): 8043-8048
6. Musso M, Kiebel S, Bülau P, Thilman AF, Rijntjes M, Müller S, Weiller C (1999) Training induced brain plasticity in aphasia. *Brain* 122:1781-1790
7. Weiller C, Rijntjes M (1999) Learning, plasticity and recovery in the central nervous system. *Exp Brain Res* 128: 134-138
8. Musso M, Moro A, Glauche V, Rijntjes M, Reichenbach J, Büchel C, Weiller C (2003) The role of Broca's area and the language instinct. *Nature Neuroscience* 6:774-782
9. Saur D, Kreher BW, Schnell S, Kümmerer D, Kellmeyer P, Vry MS, Umarova R, Musso M, Glauche V, Abel S, Huber W, Rijntjes M, Hennig J, Weiller C (2008) Ventral and dorsal pathways for language. *PNAS* 105: 18035-40
10. Umarova RM, Saur D, Schnell S, Kaller CP, Vry MS, Glauche V, Rijntjes M, Hennig J, Kiselev V, Weiller C (2009) Structural Connectivity for visuo-spatial attention: significance of ventral pathways. *Cerebral Cortex*, April (Epub ahead of print)