



KONTAKT

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FORSCHUNGSSCHWERPUNKTE

- Neuroimaging (EEG, MEG, fMRI) von Sprache
- Aphasietherapie, Neurorehabilitation und kortikale Reorganisation nach Schlaganfall
- Post Stroke Depression
- Kognition und Motorik bei Autismusspektrumstörungen
- Funktionelle Lateralisierung bei Gesunden und neuropsychiatrischen Patienten

BERUFLICHER UND WISSENSCHAFTLICHER WERDEGANG

Universitätsprofessorin (W2) für Klinische und Kognitive Neuropsychologie seit 2013
Charité Universitätsmedizin Berlin, CBF
Klinik für Psychiatrie und Psychotherapie

Reader (Associate Professor, tenured) 2009- 2013
Department of Psychology,
Anglia Ruskin University, Cambridge, UK

<i>Senior Lecturer (Assistant Professor, tenured)</i> Department of Psychology, Anglia Ruskin University, Cambridge, UK	2002-2009
<i>Visiting Scientist</i> Medical Research Council, Cognition and Brain Sciences Unit, Cambridge, UK	2001-2011
<i>DFG Forschungsstipendiatin</i> Cognition and Brain Sciences Unit, Medical Research Council, Cambridge, UK	2001-2002
<i>Wissenschaftliche Hochschulassistentin (CI)</i> Fachgruppe Psychologie, Bereich Klinische Psychologie Universität Konstanz	1997-2001

AUSBILDUNG

Habilitation	Psychologie	Universität Konstanz, 2012
Promotion (Dr. rer.soc.)	Psychologie	Universität Tübingen, 1996
Diplom (Dipl.Psych.)	Psychologie	Universität Konstanz, 1994

STIPENDIEN UND AUSZEICHNUNGEN

Forschungsstipendium der Deutschen Forschungsgemeinschaft, 2001-2003

Young Scientist Award for Schizophrenia Research, X. Biennial Winterworkshop on Schizophrenia, Davos, 2000.

Nordmark Neuropharmaka Preis für die Entwicklung und wissenschaftliche Dokumentation des Trainings zur Behandlung von motorischen und sozialen Beeinträchtigungen bei Patienten mit Morbus Parkinson, 1995

MITGLIEDSCHAFT IN FACHGESELLSCHAFTEN

- Experimental Psychology Society
- Cognitive Neuroscience Society
- Deutsche Gesellschaft für Klinische Neurophysiologie
- Society for the Neurobiology of Language
- Wissenschaftliche Gesellschaft Autismus-Spektrum

LEHRERFAHRUNG

- **Master- und Diplomstudiengang (Hauptstudium) im Fach Psychologie:** Neuropsychologie, Klinische Psychologie, Kognitive Neurowissenschaften, Neurorehabilitation
- **Bachelorstudiengang im Fach Psychologie:** Biologische Psychologie, Allgemeine Psychologie I und II, Kognitive Psychologie
- **Hauptstudium im Fach Medizin:** Medizinische Psychologie, Psychiatrische Krankheitslehre
- **Supervision** von Postdoktoranden, Doktoranden (Psychologie, Medizin, Linguistik), Master-/Diplomstudenten, Bachelorstudenten

PUBLIKATIONEN

Bibliographische Information

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Mohr, B. 2017. Neuroplasticity, functional recovery and intensive language therapy in chronic post stroke aphasia: Which factors are relevant? *Frontiers in Human Neuroscience*, 11:332. doi.org/10.3389/fnhum.2017.00332 **IF 3.6**

Stahl, B., **Mohr, B.**, Dreyer, F.R., Lucchese, G., & Pulvermüller, F. 2017. Communicative-pragmatic assessment is sensitive and time-effective in measuring the outcome of aphasia therapy. *Frontiers in Human Neuroscience*, 11:223, doi: 10.3389/fnhum.2017.00223 **IF 3.6**

Lucchese, G., Stahl, B., Dreyer, F., Pulvermüller, F. & **Mohr, B.** 2016. Therapy-Induced Neuroplasticity of Language in Chronic Post Stroke Aphasia: A Mismatch Negativity Study of (A) Grammatical and Meaningful/less Mini-Constructions. *Frontiers in Human Neuroscience*, 10:669. doi: 10.3389/fnhum.2016.00669 **IF 3.6**

Stahl, B., **Mohr, B.**, Dreyer, F., Lucchese, G., Pulvermüller, F. 2016. Language therapy in social interaction: Communication mechanisms promote recovery from chronic aphasia. *Cortex*, 85, 90-99. **IF 4.8**

Moseley, R.L., Correia, M.M., Baron-Cohen, S., Shtyrov, Y., Pulvermüller, F. **Mohr, B.** 2016. Reduced volume of the arcuate fasciculus in adults with high-functioning autism spectrum conditions. *Frontiers in Human Neuroscience*, 10:214. doi: 10.3389/fnhum.2016.00214. **IF 3.6**

Mohr, B., MacGregor, L.J., Difrancesco, S., Pulvermüller, F., Shtyrov, Y. 2016. Therapy induced left-hemispheric changes in word-specific brain activation in aphasia: Evidence from magnetoencephalography. *Neuropsychologia*, 93, 413-424. **IF 3.5**

Moseley, R., Shtyrov, Y., **Mohr, B.**, Lombardo, M.V., Baron-Cohen, S., Pulvermüller, F. 2015. Lost for emotion words: What motor and limbic brain activations reveal about autism and about semantics in general. *Neuroimage*, 104, 413-422. **IF 6.1**

MacGregor, L., Difrancesco, S., Pulvermüller, F., Shtyrov, Y., **Mohr, B.** 2015. Ultra-rapid access to words in chronic aphasia: The effects of intensive language action therapy (ILAT) *Brain Topography*, 28, 279-291. **IF 3.7**

Pulvermüller, F., **Mohr, B.**, Taub, E. 2015. Constraint Induced Aphasia Therapy (CIAT): A neuroscience centered translational method. In: G. Hickock and S. Small (Ed.) *Neurobiology of Language*. Chapter 82, 1025-1032. Elsevier, Academic Press.

Mohr, B., Difrancesco, S., Harrington, K., Evans, S., Pulvermüller, F. 2014. Increase of right-hemispheric activation after intensive language action therapy (ILAT) in chronic aphasia: fMRI evidence from auditory semantic processing. *Frontiers in Human Neuroscience*, 14, doi: 10.3389/fnhum.2014.00919. **IF 3.6**

Möhring, N., Brandt, E.S.L., **Mohr, B.**, Pulvermüller, F., Neuhaus, A.H. 2014. ERP adaptation provides direct evidence for early mirror neuron activation in the inferior parietal lobule. *International Journal of Psychophysiology*, 94, 76-83. **IF 3.0**

Moseley R., Pulvermüller F., **Mohr B.**, Lombardo M., Baron-Cohen S., Shtyrov Y. 2014. Brain Routes for Reading in Adults With and Without Autism: EMEG Evidence. *Journal of Autism and Developmental Disorders*, 44, 137-153. **IF 3.4**

Ludlow, A., **Mohr, B.**, Whitmore, A., Garagnani, M., Pulvermüller, F., Gutierrez, R. 2014. Auditory processing and sensory behaviours in children with Autism Spectrum Disorders as revealed by mismatch negativity. *Brain and Cognition*, 86, 55-63. **IF 2.7**

Moseley, R. L., **Mohr, B.**, Lombardo, M. V., Baron-Cohen, S., Pulvermüller, F. 2013. Action-semantic deficit in autism: behavioural and brain manifestation. *Frontiers in Human Neuroscience*, 7, doi:10.3389/fnhum.2013.00725 **IF 3.6**

Difrancesco, S., Pulvermüller, F., **Mohr, B.** 2012. Intensive Language Action Therapy (ILAT): The methods. *Aphasiology*, 26 (11), 1317-1351. **IF 1.7**

Moseley, R., Carota, F., Hauk, O., **Mohr, B.**, Pulvermüller, F. 2012. A Role for the Motor System in Binding Abstract Emotional Meaning. *Cerebral Cortex*, 22, 1634-1647. **IF 8.3**

Pulvermüller, F., Kherif, F., Hauk, O., **Mohr, B.**, Nimmo-Smith, I. 2009. Cortical cell assemblies for lexical and category-specific semantic processing as revealed by fMRI cluster analysis. *Human Brain Mapping*, 30 (12), 3837-3850. **IF 6.9**

Mohr, B., Pulvermüller, F., Rockstroh, B., Endrass, T. 2008: Hemispheric cooperation –A crucial factor in schizophrenia? Neurophysiological evidence. *Neuroimage*, 41, 1102-1110. **IF 6.1**

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bilateral redundancy gain for words: An ERP study. *Neuropsychologia*, 45, 2114-2124. **IF 3.5**

Pulvermüller, F., Hauk, O., Zohsel, K., Neininger, B. & **Mohr, B.** 2005: Therapy-related reorganization of language in both hemispheres of patients with chronic aphasia. *Neuroimage*, 28, 481-489. **IF 6.1**

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Neininger, B., Pulvermüller, F., Elbert, T., Rockstroh, B. & **Mohr, B.** 2004: Intensivierung, Fokussierung und Verhaltensrelevanz als Prinzipien der Neuropsychologischen Rehabilitation und ihre Implementation in der Therapie chronischer Aphasie – eine Übersichtsarbeit. [Constraint, focussing, behavioral relevance: Principles of neuropsychological rehabilitation and their implementation in aphasia therapy after chronic stroke: A review.] *Zeitschrift für Neuropsychologie*, 15, 219-232. **IF 0.6**

Pulvermüller, F. & **Mohr, B.** 2004: Determinants of ignition times: Topographies of cell assemblies and activation delays they imply. *Behavioral and Brain Sciences*, 27, 308-311. **IF 3.4**

Schweinberger, S.R., Baird, L.M., Blümmler, M., Kaufmann, J.M., **Mohr, B.**, 2003. Interhemispheric cooperation for face recognition but not for affective facial expressions. *Neuropsychologia*, 41 (4), 407-14. **IF 3.5**

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Rockstroh, B., Kissler, J., Lommen, U., **Mohr, B.**, Wienbruch, C., Elbert, T., 2001. Altered hemispheric asymmetry of auditory magnetic fields to tones and syllables in schizophrenia. *Biological Psychiatry*, 49, 694-703. **IF 9.5**

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(1-2), 69-78. **IF 4.4**

Müller, V., Lutzenberger, W., Pulvermüller, F., **Mohr, B.**, Birbaumer, N., 2001. Investigation of brain dynamics in Parkinson's disease by methods derived from nonlinear dynamics. *Experimental Brain Research*, 137, 103-110. **IF 2.3**

Pulvermüller, F., Genkinger, B., Elbert, T., **Mohr, B.**, Rockstroh, B., Koebbel, P., Taub, E., 2001. Constraint-induced therapy of chronic aphasia following stroke. *Stroke*, 32, 1621-1626. **IF 6.2**

Pulvermüller, F., **Mohr, B.**, Schleichert, H., Veit, R., 2000. Operant conditioning of left-hemispheric slow cortical potentials and its effect on word processing. *Biological Psychology*, 53, 177-215. **IF 3.5**

Mohr, B., Pulvermüller, F., Cohen, R., Rockstroh, B., 2000. Interhemispheric cooperation during word processing: Evidence for callosal transfer dysfunction in schizophrenic patients. *Schizophrenia Research*, 46, 231-239. **IF 4.4**

Pulvermüller, F., **Mohr, B.**, Schleichert, H., 1999. Semantic or lexico-syntactic features: What determines word-class specific activity in the human brain? *Neuroscience Letters*, 275, 81-84. **IF 2.2**

Mohr, B., Pulvermüller, F., Schleichert, H., 1998. Learned changes of brain states alter cognitive processing in humans. *Neuroscience Letters*, 253, 159-162. **IF 2.2**

Mohr, B., Pulvermüller, F., Mittelstädt, K., Rayman, J., 1996. Multiple simultaneous stimulus presentation facilitates lexical processing. *Neuropsychologia*, 34, 1003-1013. **IF 3.5**

Mohr, B., Müller, V., Mattes, R., Rosin, R., Federmann, B., Strehl, U., Pulvermüller, F., Müller, F., Lutzenberger, W., Birbaumer, N., 1996. Behavioral treatment of Parkinson's disease leads to improvement of motor skills and to tremor reduction. *Behavior Therapy*, 27, 235-255. **IF 3.0**

Müller, V., **Mohr, B.**, Rosin, R., Pulvermüller, F., Müller, F., Birbaumer, N., 1997. Short-term effects of behavioral treatment on movement initiation and postural control in Parkinson's disease: A controlled clinical study. *Movement Disorders*, 12, 306-314. **IF 5.6**

Pulvermüller, F., Birbaumer, N., Lutzenberger, W., **Mohr, B.**, 1997. High-frequency brain activity: Its possible role in attention, perception and language processing. *Progress in Neurobiology*, 52, 427-445. **IF 10.3**

Mohr, B., Müller, V., Rosin, R., Strehl, U., Birbaumer, N. 1997. Verhaltenstherapeutisches Gruppentraining bei Morbus Parkinson: Eine Effizienzstudie. In: D. Emmans & G. Fuchs (Hrsg.): *Morbus Parkinson und Psychologie. Ein Handbuch*. Vandenhoeck & Ruprecht, Göttingen.

Pulvermüller, F., Eulitz, C., Pantev, C., **Mohr, B.**, Feige, B., Lutzenberger, W., Elbert,

T., Birbaumer, N., 1996. Gamma-band brain responses reflect lexical processing: an MEG study. *Electroencephalography and Clinical Neurophysiology* , 98, 76-85. **IF 2.9**

Pulvermüller, F., **Mohr, B.**, Sedat, N., Hadler, B., Rayman, J., 1996. Word class specific deficits in Wernicke's aphasia. *Neurocase* **2**, 203-212. **IF 1.4**

Pulvermüller, F., Lutzenberger, W., Müller, V., **Mohr, B.**, Dichgans, J., Birbaumer, N., 1996. P3 and contingent negative variation in Parkinson's disease. *Electroencephalography and Clinical Neurophysiology* ,98, 456-467. **IF 2.9**

Pulvermüller, F., **Mohr, B.**, 1996. The concept of transcortical cell assemblies: a key to the understanding of cortical lateralization and interhemispheric interaction. *Neuroscience and Biobehavioral Reviews* ,20, 557-566. **IF 10.3**

Pulvermüller, F., **Mohr, B.**, Preißl, H., 1996. Biology of language: principles, predictions, evidence. *Behavioral and Brain Sciences* ,19, 643-645. **IF 3.4**

Mohr, B. 1996. Neuropsychologie des Morbus Parkinson. In: Strehl, U. & Birbaumer, N.: *Verhaltensmedizinische Intervention bei Morbus Parkinson*. Psychologie Verlags Union, Weinheim, 8-12.

Pulvermüller, F., Lutzenberger, W., **Mohr, B.**, Preißl, H., Eulitz, C., Pantev, C., Elbert, T., Birbaumer, N. 1995. Evoked gamma-band responses in the EEG and MEG. In: Heinze, H.J., Münte, T.F., Scheich, H. & Mangun, G.R. (Eds.): *Mapping cognition in time and space: combining EEG, MEG with functional imaging*. Birkhäuser, Boston.

Mohr, B., Pulvermüller, F., Zaidel, E., 1994. Lexical decision after left, right, and bilateral presentation of content words, function words, and non-words: evidence for interhemispheric interaction. *Neuropsychologia* ,32, 105-124. **IF 3.5**

Mohr, B., Pulvermüller, F., Rayman, J., Zaidel, E., 1994. Interhemispheric cooperation during lexical processing is mediated by the corpus callosum: evidence from the split-brain. *Neuroscience Letters* ,181, 17-21. **IF 2.2**