

## CV Felix R. Dreyer

Born 13.06.1986 in Bielefeld, Germany

### Education

- since 11.2012 PhD Student in the Languages of Emotions Cluster of Excellence at the Freie Universität Berlin, Germany.  
Supervisors: Prof. Dr. Dr. Friedemann Pulvermüller, Prof. Dr. Malek Bajbouj
- 10.2010-07.2012 Psychology Master's programme at the University of Leipzig, Germany  
Thesis title: *Early semantic processing in natural reading studied using a combined EEG/MEG and eye-tracking approach.*  
Supervisors: Dr. Olaf Hauk, Prof. Dr. Jörg Jescheniak
- 09.2008-02.2009 Semester abroad studying "Neuroscience and Cognitive Psychology" at the University of Manchester, UK.
- 10.2006-10.2010 Cognitive Science Bachelor's programme at the University of Osnabrück, Germany  
Thesis title: *Where an emotional picture prime affects the generation of inferences in text comprehension: A magnetic resonance imaging study for specifically predicted brain areas.*  
Supervisors: Prof. Dr. Franz Schmalhofer, Dr. Ekkehard Küstermann
- 2005 Abitur at the Städtisches Gymnasium Gütersloh, Germany.

### Research experience

- Since 11.2014 Research fellow at the Brain Language Laboratory of the Freie Universität Berlin, Germany.
- 04.2011-02.2012 Student research assistant at the Day-Care Clinic of Cognitive Neurology in Leipzig, Germany. Project title: "Non-aphasic communication disorders – neuropsychological and -physiological correlates of text comprehension deficits after brain damage as a basis for the development of clinical tests and diagnostic criteria".
- 11.2010-02.2011 Student Research Assistant at the Max Planck Institute for human cognitive and brain sciences, Department of Neurology, Leipzig, Germany. Project title: "Cognitive and Emotional Deficits in Patients with Established Essential Hypertension".
- 04.2010-05.2010 Research Assistant at the Department of Psychology at the University of Manchester, UK. Project title: *Multimodal conceptual representations of object size.*
- 03.2010 Student Research Assistant for EEG and eyetracking studies at the Department of Neurobiopsychology at the University of Osnabrück, Germany.
- 10.2009-12.2009 Student Research Assistant for EEG and eyetracking studies at the Department of Neurobiopsychology at the University of Osnabrück, Germany.
- 04.2009-06.2009 Student Research Assistant for statistics at the Department of Nursery Sciences at the University of Osnabrück, Germany.
- 11.2008-02.2009 Research Assistant at the Department of Psychology at the University of Manchester, UK (unpaid position).

### Internships

- 02.2012-08.2012 Research internship at the Medical Research Council, Cognition and Brain Sciences Unit, in Cambridge, UK. Internship included Master's thesis. Title: *Early semantic processing in natural reading studied using a combined EEG/MEG and eye-tracking approach.*
- 04.2011-02.2012 Research internship at the Max Planck Institute for Human Cognitive and Brain sciences, Department of Neurology, Leipzig, Germany (part time). Project title:

*Cognitive and Emotional Deficits in Patients with Established Essential Hypertension.*

- 03.2011-04.2011 Research internship at the Day-Care Clinic of Cognitive Neurology in Leipzig, Germany.
- 07.2010-09.2010 Neuropsychology internship at the Day-Care Clinic of Cognitive Neurology in Leipzig, Germany.
- 01.2010 Internship at the Konrad Lorenz Research Station in Grünau im Almtal, Austria. Project title: *Reversal Learning in Northern Bald Ibis.*

### Teaching experience

- 04.2014-07.2014 Seminar "Experimental Neurolinguistics" at the Freie Universität Berlin, Germany
- 10.2013-02.2014 Seminar: "Experimental Phonology and Semantics" at the Freie Universität Berlin, Germany
- 04.2011-07.2011 Tutor for Statistics (MSc level) at the University of Leipzig, Germany

### Awards and Scholarships

- 09.2015 Travel stipend of the Volkswagen Foundation for the "Philologie und Gesellschaft" Symposium 2015, Hannover, Germany
- 10.2014 Poster prize of the 6<sup>th</sup> International Symposium on Navigated Brain Stimulation in Neurosurgery, Berlin, Germany.
- 11.2012-10.2014 PhD scholarship from the Languages of Emotions Cluster of Excellence
- 07.2011 Partial SUN Scholarship: tuition fee and accommodation for the "Brains and Minds" Summerschool 2011
- 12.2009 Lower Saxony Scholarship for outstanding academic achievement

### Publications

- Grisoni, L., Dreyer, F. R., & Pulvermüller, F. (2016). Somatotopic Semantic Priming and Prediction in the Motor System. *Cerebral Cortex*, 26(5), 2353-2366.
- Dreyer, F. R., Frey, D., Arana, S., von Saldern, S., Picht, T., Vajkoczy, P., & Pulvermüller, F. (2015). Is the motor system necessary for processing action and abstract emotion words? Evidence from focal brain lesions. *Frontiers in psychology*, 6.
- Rohr, C. S., Dreyer, F. R., Aderka, I. M., Margulies, D. S., Frisch, S., Villringer, A., & Okon-Singer, H. (2015). Individual differences in common factors of emotional traits and executive functions predict functional connectivity of the amygdala. *Neuroimage*, 120, 154-163.
- Connell, L., Lynott, D., & Dreyer, F. (2012). A functional role for modality-specific perceptual systems in conceptual representations. *PLoS ONE*, 7(3), doi:10.1371/journal.pone.0033321
- Connell, L., Lynott, D., & Dreyer, F. (2011). Touching with the mind's hand: Tactile and proprioceptive stimulation facilitates conceptual size judgements. In A. Karmiloff-Smith, N. Nersessian & B. Kokinov (Eds.), *Proceedings of the Third European Conference on Cognitive Science*, paper 123. Sofia, Bulgaria: New Bulgarian University Press.

## Posters

Stahl, B., Mohr, B., Dreyer, F.R., Lucchese, G., & Pulvermüller, F.. Using language for communication and action increases the efficacy of intensive aphasia therapy: a crossover randomized controlled trial. Poster presented at the 54th Annual Meeting of the Academy of Aphasia, 2016, Llandudno, UK.

Dreyer, F. R., & Pulvermüller, F. fMRI dissociations between subclasses of abstract nouns in left motor areas during passive reading. Poster presented at the 8th Annual meeting of the Society for the Neurobiology of Language – SNL 2016, London, UK.

Pulvermüller, F., Dreyer, F.R., Lucchese, G., Millrose, S., Meissner, L., Keller, V., Mohr, B., & Stahl, B. Neuropragmatic Speech-Language Deficits Specific To Speech Act Type Following Left-Hemispheric Lesion. Poster presented at the 8th Annual meeting of the Society for the Neurobiology of Language, 2016, London, UK and at the 54th Annual Meeting of the Academy of Aphasia, 2016, Llandudno, UK.

Grisoni, L., Dreyer, F. R., & Pulvermüller, F. The sounds of meaning: Investigating the functional interaction between action sounds and. Poster presented at the 7th Mismatch Negativity Conference, 2015, Leipzig, Germany.

Dreyer, F. R., Frey, D., Picht, T., Vajkoczy, P., & Pulvermüller, F. Hinweise auf die kausale Rolle von motorischen Arealen der linken Hemisphäre bei der Verarbeitung von abstrakten und konkreten Begriffen. Poster presented at the 29th annual meeting of the Society for Neuropsychology, 2014, Oldenburg, Germany.

Dreyer, F. R., Frey, D., Picht, T., Kulchytska, N., Schneider, H., Vajkoczy, P., & Pulvermüller, F. Word Frequency influences performance in language mapping paradigms with navigated repetitive transcranial magnetic stimulation. Poster presented at the 6<sup>th</sup> International Symposium on Navigated Brain Stimulation in Neurosurgery, 2014, Berlin, Germany.

Dreyer, F. R., Frey, D., Picht, T., Vajkoczy, P., & Pulvermüller, F. Evidence for a functional role of left motor areas in processing of abstract and concrete words – a triple-case study on brain tumor patients. Poster presented at the 6th Annual meeting of the Society for the Neurobiology of Language – SNL 2014, Amsterdam, Netherlands and at the 7th Embodied & Situated Language Processing Conference – ESPL 2014, Rotterdam, Netherlands

Lynott, D., Connell, L., & Dreyer, F. Object size judgements are affected by tactile and proprioceptive stimulation. Poster presented at the 4th Embodied & Situated Language Processing Conference – ESPL 2011, Bielefeld, Germany.