

Curriculum Vitae

PD Dr. phil. Markus Josef Hofmann, Dipl.-Psych., Akademischer Rat

Bergische Universität Wuppertal

Fakultät für Human- und Sozialwissenschaften

General und Biological Psychology

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Forschungszentrum Jülich (guest researcher since July 2021)

Institute of Neuroscience and Medicine – 4 (Prof. Dr. Jon Shah / Prof. Dr. Heim)

Forschungszentrum Juelich GmbH, 52425 Juelich

Research foci:

- Localist connectionist models of episodic and semantic processes
- Machine Learning und language models of emotional, aesthetic and semantic processes
- Advanced statistical models: Generalized additive models, diffusion models, predictive modeling
- Elektroencephalography (EEG): Event-related potentials, time-frequency analyses
- Neuroimaging: fMRI and functional near-infrared spectroscopy
- Eye movement analyses, pupillometry
- Combination of eye-movement and neuroimaging analyses

Academic development

2013-today	Akademischer Rat (tenured since 2016) at Prof. Dr. Radachs chair of General and Biological Psychology, Bergischen Universität Wuppertal (BUW)
2021	Habilitation, Thema: „Neurokognitive Dynamik semantischer Gedächtnisprozesse in algorithmischen Modellen“ (neurocognitive dynamics of semantic memory processes in algorithmic models)
2005-2013	Academic employee at Prof. Dr. Arthur Jacobs chair of General and Neurocognitive Psychology, Free University Berlin (FU)
2005-2011	PhD with Prof Dr. Jacobs, topic: „Setting letters and words into context: An Associative Read-Out Model“ (Auf der Suche nach dem Sinn des Lesens: Buchstaben und Wörter im Kontext“, summa cum laude (best grade).
1999-2005	Diploma in Psychology, Catholic University of Eichstätt-Ingolstadt, diploma thesis: „Serial or Parallel Processing of Orthography and Phonology: Evidence from the LRP and Behavioral Data“, Note: sehr gut (1,0)
1997-2001	Studies in Philosophy (Magister Artium), main subject: Philosophy, minor subjects: studies of contemporary literature, psychology (concluded after interim examination, grade: 1,5, equivalent to Bachelor's degree)
1995-1996	Social service
1986-1995	Egbert Gymnasium Münsterschwarzach
2.5.1975	Geboren in Würzburg

Languages: German (first language), English (full professional proficiency), Latein (major qualification, profound knowledge), French (basic knowledge)

Programming languages: Full professional proficiency in Matlab, Perl, R and linux server administration

Reviews for

- Advances in Cognitive Psychology
- Biological Psychology
- Brain & Language
- Brain Research
- Cognition & Emotion
- Cognitive, Affective, & Behavioral Neuroscience
- Cognitive Processing
- Cerebral Cortex
- Cognitive, Affective and Behavioral Neuroscience
- Experimental Brain Research
- Frontiers in Artificial Intelligence
- Frontiers in Human Neuroscience
- Frontiers in Psychology, Psychology of Aging
- Information Processing and Management
- International Journal of Psychophysiology
- Israel Science Foundation
- Journal of Cognitive Neuroscience
- Journal of Cognitive Science
- Journal of Computational Neuroscience
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Learning, Memory, and Cognition
- Journal of Memory and Language
- Journal of Neurophysiology
- Journal of Psychophysiology
- Language, Cognition and Neuroscience
- Memory
- NeuroImage
- Neuropsychologia
- Neuroscience Letters
- Neuroscience & Biobehavioral Reviews
- Psychophysiology
- Quarterly Journal of Experimental Psychology
- Scientific Studies of Reading

Editor

- Main associate editor for the Frontiers Research Topic “Neurocomputational Models of Language Processing”, Frontiers in Artificial Intelligence, Frontiers in Human Neuroscience (since 2023).
- Associate Editor, Frontiers in Human Neuroscience, Section Speech and Language (seit 2019).
- Conference proceeding (and local organizer) of the “19th European Conference on Eye Movements 2017 (ECEM)”, 20.-24.8.2017, Wuppertal, <http://ecem2017.uni-wuppertal.de>

Academic self management

- Speaker of the Postdocs, docs and student assistants in psychology (Mittelbausprecher, Psychologie, BUW, since 2022)
- Commission member of the center of information and media management (Kommissionsmitglied des Zentrums für Informations- und Medienverarbeitung der BUW (since 2020)
- Member of the central examination board in psychology (B.Sc., M.Sc., Dipl.-Psych, since 2020)
- Member of PhD commissions: Teresa Sylvester (2022, Free University Berlin), Andre Rölke-Wellmann (2021, supervisor), Anna van Beekum (2018.19, BUW), Eva Elliott (2013, FU-Berlin)
- Curriculum coordinator for psychology, BUW (2014-2023)
- Erasmus departmental coordinator of psychology, BUW (since 2013)
- Member of the PhD commission of the faculty for human and social sciences, BUW (2018-2020)
- Member of the hiring commission for the Professorship of Neurocognitive Development and behavior regulation, BUW (Professur für Psychologie mit dem Schwerpunkt neurokognitive Entwicklung und Verhaltensregulation, W2, 2015, 2018)
- Central organisation of the experimental training, FU (Zentrale Organisation der experimentellen Praktika, WS 2005-2008)

Memberships

- Fellow of the Psychonomic Society (seit 2016)
- Ernst-Reuter Gesellschaft (Alumnus der Freien Universität Berlin, seit 2013)
- Deutsche Gesellschaft für Psychologie (seit 2013)
- Cognitive Science Society (2013-2014)

International collaborations

- Sui Xue, School of Psychology, Liaoning Normal University, Dalian, China. Three papers submitted/in preparation with Dr. Yutong Li, since 2022.
- Albrecht Inhoff, State University of New York at Binghamton, USA: Collaboration on DFG project HO5138/2-2, 2016.
- Ronan Reilly, guest researcher at National University of Ireland, Maynooth, Department of Computer Science, July-September, 2015.

- Chris Westbury, University of Alberta in Edmonton, Canada, three common publications, 2014-2018

Theses

- Hofmann, M. J.** (2021). Neurokognitive Dynamik semantischer Gedächtnisprozesse in algorithmischen Modellen. Habilitation, Bergische Universität Wuppertal.
https://www.researchgate.net/profile/Markus-Hofmann-5/publication/352212392_Neurokognitive_Dynamik_semantischer_Gedachtnisprozesse_in_algorithmischen_Modellen/links/60bf3743a6fdcc22eae90b9f/Neurokognitive-Dynamik-semantischer-Gedaechtnisprozesse-in-algorithmischen-Modellen.pdf
- Hofmann, M. J.** (2011). Setting letters and words into context: An Associative Read-Out Model. (Auf der Suche nach dem Sinn des Lesens: Buchstaben und Wörter im Kontext), Dissertation, Freie Universität Berlin (summa cum laude, best grade). http://www.diss.fu-berlin.de/diss/receive/FUDISS_thesis_000000025784
- Hofmann, M.** (2004). Serial or Parallel Processing of Orthography and Phonology: Evidence from the LRP and Behavioral Data. Diplomarbeit, Katholische Universität Eichstätt-Ingolstadt.