

Dr. Martin Lachmair

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Education

05/2009–07/2013 **PhD** in cognitive science at the University of Tübingen, Prof. Dr. B. Kaup
10/1999–09/2003 **studied computer science**, Universities of Stuttgart and Tübingen
10/2006–03/2009 Prof. Dr. W. Rosenstiel (**diploma thesis** at IBM Deutschland R&D GmbH)
1983–1992 **Abitur** (advanced school-leaving certificate) at the Pestalozzi-Gymnasium
Biberach/Riss

Research Experience

07/ 2013–today **Postdoc** in the department for media development at the Leibniz-Institut
für Wissensmedien Tübingen
02/2010–06/2013 **Researcher** (project INF), collaborative research centre 833, University of
Tübingen
05/2009–06/2013 **PhD student**, Department for Language and Cognition, University of
Tübingen
2003–2009 **Student assistant** at the Institute for Parallel Systems, University of
Stuttgart, and at the Department for Language and Cognition, University
of Tübingen

Academic Functions (Selection)

2010–2013 Member of the Academic Commission for cognitive science; University of
Tübingen

Reviewer: *Acta Psychologica*; *Psychonomic Bulletin & Review*; *Psychological Research*; *Cognition*;
Neuroscience & Biobehavioral Reviews; *Attention, Perception, & Psychophysics*

10 Most Relevant Publications

Lachmair, M., Ruiz Fernandez, S., Bury, N., Gerjets, P., Fischer, M., & Bock, O. (2016). How body orientation affects concepts of space, time and valence: functional relevance of integrating sensorimotor experiences during word processing. *PLoS ONE*, 11:e0165795. <https://dx.doi.org/10.1371/journal.pone.0165795>

Lachmair, M., Ruiz Fernández, S., & Gerjets, P. (2016). Priming effects between spatial meaning of verbs and numbers are modulated by time intervals: early interference and late facilitation. *Canadian Journal of Experimental Psychology*, 70, 295-300. <https://dx.doi.org/10.1037/cep0000085>

- Lachmair, M.**, Dudschig, C., de la Vega, I., & Kaup, B. (2015). Constructing meaning for up and down situated sentences: Is a sentence more than the sum of its words? *Language and Cognition*. doi:10.1017/langcog.2015.11.
- Lachmair, M.**, Dudschig, C., de la Vega, I., & Kaup, B. (2014). Relating numeric cognition and language processing: Do numbers and words share a common representational platform? *Acta Psychologica, 148*, 107-114. doi:10.1016/j.actpsy.2013.12.004.
- Lachmair, M.**, Dudschig, C., Ruiz Fernández, S., & Kaup, B. (2014). Numbers affect the processing of verbs denoting movements in vertical space. *Cognitive Processing, 15*, 115-117. <https://dx.doi.org/10.1007/s10339-014-0632-2>
- Dudschig, C., Souman, J., **Lachmair, M.**, de la Vega, I., & Kaup, B. (2013). Reading "sun" and looking up: The influence of language on the planning of saccadic eye movements. *PLoS ONE, 8*(2).
- de la Vega, I., De Filippis, M., Dudschig, C., **Lachmair, M.**, & Kaup, B. (2013). Keep your hands crossed: The valence-by-left/right interaction is related to hand, not side, in an incongruent hand - response key assignment. *Acta Psychologica, 142*, 273-277.
- Dudschig, C., **Lachmair, M.**, de la Vega, I., De Filippis, M., & Kaup, B. (2012). Do task-irrelevant direction-associated motion verbs affect action planning? Evidence from a Stroop paradigm. *Memory & Cognition, 40*(7), 1081-1094.
- de la Vega, I., De Filippis, M., **Lachmair, M.**, Dudschig, C., & Kaup, B. (2012). Emotional valence and physical space: Limits of interaction. *Journal of Experimental Psychology: Human Perception and Performance, 38*, 375-385.
- Lachmair, M.**, Dudschig, C., De Filippis, M., de la Vega, I., & Kaup, B. (2011). Root versus roof: Automatic activation of location information during word processing. *Psychonomic Bulletin & Review, 18*, 1180-1188.

Teaching / Supervisor Experience

Summer term 2017	Multimodal Interaction in Virtual Reality
Summer term 2015	Cognition in extreme environments Neue Medien und kognitionswissenschaftliche Untersuchungen
Winter term 2014/2015	Kognition in extremen Umweltszenarien Neue Medien und kognitionswissenschaftliche Untersuchungen
Summer term 2014	Kognition in extremen Umweltszenarien
Winter term 2013/14	Augmented reality and embodiment (Master seminar computer science/media informatics), University of Tübingen
Summer term 2013	Computer aided research methods with R, University of Tübingen
Winter term 2012/13	Computer aided research methods with R, University of Tübingen
Summer term 2012	Computer aided research methods with R, University of Tübingen
Winter term 2011/12	Introduction to business informatics, Duale Hochschule Stuttgart. Database technologies, Duale Hochschule Stuttgart
Summer term 2011	Research oriented seminar in cognitive psychology 'Cognitive paradigms with Matlab'. Experimental psychology in cognitive science: Introduction to R.
Winter term 2010/11	Research oriented seminar in evaluation and research methods 'Cognitive paradigms with Matlab'. Research oriented seminar in cognitive psychology 'Connectionist models of language processing with artificial neural networks'.