



Jens G. Klinzing

Doctoral Student

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Research

My work focuses on the neuronal mechanisms of sleep-dependent memory consolidation in humans. For newly acquired memories to endure, they have to be reactivated and reprocessed during rest and sleep. I alter this processing pharmacologically (by changing the activity of specific neurotransmitters) and with reminder cues (by presenting learning-associated odors). I measure the effects of these manipulations on memory performance and try to understand the underlying neurological processes using high-resolution electrophysiological M/EEG recordings and novel source-level analysis techniques.

since 10/2013	PhD-student, Institute of Medical Psychology and Behavioral Neurobiology at the University of Tübingen
2012 – 2013	Research assistant at the Center of Neurology, University Hospital Tübingen and the Institute of Medical Psychology and Behavioral Neurobiology, Tübingen

Education

2011 – 2013	MSc in Neural and Behavioural Science, University of Tübingen, Germany
2009	Exchange student, Nelson Mandela Metropolitan University, Port Elizabeth, South Africa
2007 – 2011	BSc in Cognitive Science, University of Osnabrück, Germany

Publications

Klinzing, J. G., Rasch, B., Born, J., & Diekelmann, S. (2016). Sleep's role in the reconsolidation of declarative memories. *Neurobiology of Learning and Memory*, 136, 166–173.

Klinzing, J. G., Mölle, M., Weber, F., Supp, G., Hipp, J. F., Engel, A. K., & Born, J. (2016). Spindle activity phase-locked to sleep slow oscillations. *NeuroImage*, 134, 607–616.

Veit, R., Konicar, L., Klinzing, J. G., Barth, B., Yilmaz, Ö., & Birbaumer, N. (2013). Deficient fear conditioning in psychopathy as a function of interpersonal and affective disturbances. *Frontiers in Human Neuroscience*, 7.