



Dr. Ulrike Basten

Postdoctoral researcher

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Expertise

Cognitive Neuroscience
Neurocognitive mechanisms of resilience
Processing of affective information in the brain: cognitive biases towards positive vs. negative information; integration of positive and negative information in decision making
Cognitive and neural mechanisms of trait anxiety: cognitive performance; neural efficiency
The brain bases of intelligence: neural efficiency; brain network topology

Vita

Since 07/2011	Postdoctoral researcher, Institute for Psychology, Neurocognitive Psychology, Goethe University Frankfurt, Germany
07/2010 – 06/2011	Doctoral student, Institute for Psychology, Neurocognitive Psychology, Goethe University Frankfurt, Germany
10/2006 – 06/2010	Doctoral student, Institute for Psychology, University of Heidelberg, Germany
07/2004 – 07/2006	Psychology, University of Heidelberg, Germany, Dipl. Psych., University of Heidelberg, Germany)
01/2004 – 06/2004	Psychology, University of Exeter, UK
10/2002 – 12/2003	Psychology, University of Heidelberg, Germany
10/2000 – 09/2002	Psychology, University of Bielefeld, Germany

Publications

Hilger K, Ekman M, Fiebach CJ, Basten U (2017) Efficient hubs in the intelligent brain: Nodal efficiency of hub regions in the salience network is associated with general intelligence. *Intelligence* 60:10-25.



- Basten U, Hilger K, Fiebach CJ (2015) Where smart brains are different: A quantitative meta-analysis of functional and structural brain imaging studies on intelligence. *Intelligence* 51:10-27.
- Basten U, Stelzel C, Fiebach CJ (2012) Trait anxiety and the neural efficiency of manipulation in working memory. *Cogn Affect Behav Neurosci* 12:571-88.
- Basten U, Stelzel C, Fiebach CJ (2012) Trait anxiety modulates the neural efficiency of inhibitory control. *J Cogn Neurosci* 23(10):3132-45.
- Basten U*, Biele G*, Heekeren HR, Fiebach CJ (2010) How the brain integrates costs and benefits during decision making. *Proc Natl Acad Sci USA* 107:21767-72. *equal contribution

Awards, Grants and Honor

2012 Ph.D. Award, Goethe University Frankfurt