

Prof. Dr. med. Hauke R. Heekeren
(* 1971)

Affective Neuroscience and Psychology of Emotion
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Curriculum vitae

since 2009	Deputy speaker of the Cluster of Excellence “Languages of Emotion” (EXC 302)
since 2009	Professor (W3) of Affective Neuroscience and Psychology of Emotion, Freie Universität Berlin
since 2009	Co-Director of the Dahlem Institute for the Neuroimaging of Emotion (D.I.N.E.)
2005-2010	Head (W2) of Max-Planck Research Group “Neurocognition of Decision-making” at the Max-Planck Institute for Human Development, Berlin
2004-2009	Group leader, Executive Functions and Language group, Berlin NeuroImaging Center & Neuroscience Research Center, Charité, Berlin
2001-2003	Postdoctoral fellow, Lab of Brain and Cognition, NIH, NIMH, Bethesda, MD
2000-2001	Post-doctoral research fellow, Charité, Dept. of Neurology, Berlin, Germany

Research fields

Perceptual decision making
Motivation and affect in decision making
Cognitive and affective components in normal and disturbed social cognition
Multimodal neuroimaging (fMRI, NIRS, EEG, TMS)

Activities in the scientific community, honors, awards

since 2011	President-Elect Society for Neuroeconomics
since 2010	Board member Society for Neuroeconomics
since 2010	Chief Editor Frontiers in Decision Neuroscience
since 2009	Associate Editor Frontiers in Human Neuroscience
2008-2009	Editorial board Frontiers in Human Neuroscience
2008	Medical Neurosciences Teaching Award
2006 – present	Faculty member of the International Max Planck Research School on the Life Course (LIFE), MPI for Human Development
2006 – present	Faculty member of the Berlin School of Mind & Brain
2005	Emmy-Noether-Award (DFG)
2004	Rudolph Virchow Award for excellence in research (Charité University Medicine)
2001	Emmy-Noether-Fellowship (DFG)

Original publications in international, peer-reviewed journals (selection)

1. Park SQ, Kahnt T, Talmi D, Rieskamp J, Dolan RJ, Heekeren HR (2012). Adaptive coding of reward prediction errors is gated by striatal coupling. *P. Natl. Acad. Sci.*, Feb 27. [Epub ahead of print]
2. Biele G, Krugel L, Rieskamp J, Heekeren HR (2011). The neural basis of following advice. *PLoS Biology*, Jun;9(6):e1001089
3. Philiastides MG, Auksztulewicz R, Heekeren HR, Blankenburg (2011). Causal role of dorsolateral prefrontal cortex in human perceptual decision making. *Current Biology*, Jun 7;21(11):980-3.
4. Wenzlaff H, Bauer M, Maess B, Heekeren HR (2011). Neural characterization of the Speed-Accuracy Tradeoff in a Perceptual Decision Making Task. *Journal of Neuroscience*, Jan 26;31(4):1254-66.
5. Basten U*, Biele G*, Heekeren HR, Fiebach C (2010) How the Brain Integrates Costs and Benefits during Decision Making. *P. Natl. Acad. Sci. USA*. 2010 Nov 30
6. Philiastides MG, Biele G, Heekeren HR (2010) A mechanistic account of value computation in the human brain. *P. Natl. Acad. Sci. USA*, 10.1073/pnas.1001732107
7. Dziobek I, Bahnemann M, Convit A, Heekeren HR (2010). The role of the fusiform-amygdala system in the pathophysiology of autism. *Archives of General Psychiatry*, 2010 Apr;67(4):397-405.
8. Krugel LK, Biele G, Mohr PNC, Li SC, Heekeren HR (2009) Genetic variation in dopaminergic neuromodulation influences the ability to rapidly and flexibly adapt decisions. *P. Natl. Acad. Sci. USA*, 106(42):17951-6. Epub 2009 Oct 12.
9. Heekeren HR, Marrett S, Ungerleider LG. (2008) Neural systems involved in human perceptual decision making. *Nature Reviews Neuroscience*, 2008 Jun;9(6):467-79
10. Heekeren HR, Marrett S, Bandettini PA, Ungerleider LG (2004). A general mechanism for perceptual decision-making in the human brain. *Nature*, 431 (7010):859-861.

Third-party-funding (selection)

Bernstein Focus Grant Neurocomputational Models of Learning, German Ministry for Education and Research, funding period: 7/1/2009 – 6/30/2012

Emmy-Noether-Award, Neurocognition of Decision-making, 2005-2012, German Research Foundation (DFG He 3347/1-2)

Behavioral and Neurobiological Foundations of Risk Preferences in American and German Baby Boomers. Volkswagen Foundation Research Collaboration 6/2009-05/2011

Berlin School of Mind and Brain (Graduate School as part of the "Exzellenzinitiative des Bundes und der Länder", 60 principal investigators in total), funding period: 11/1/2006 – 10/31/2011.

Contextual Influences on Risk Perception in Investment Decisions, SFB 649 "Security and Risk" (TP A12), DFG, 1/2009-12/2012

Research collaboration „Cognitive Neuroscience of decision making and performance monitoring in health and obsessive-compulsive disorder" (Speaker: Markus Ullsperger), Sub-project TP3: Reward- and monitoring-based decision making in the healthy brain: behaviour, genes, and neural correlates, German Ministry for Education and Research, 11/2007 – 05/2011

Research collaboration BMBF, „The Role of the Emotional Network and Neuropeptidergic Modulation in Normal and Impaired Social Cognition". Module 3: Social cognition and empathy in autism spectrum disorders, German Ministry for Education and Research, 1/2008 – 05/2011
11/2007-10/2012