

Curriculum Vitae

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1. Curriculum Vitae

Personal information

Born: January, 24, 1971 in Herford, Germany
 Citizenship: German
 Marital status: Married, two children (born 1997 and 2002)

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Professional Experience

03/2012 Full professorship offer (Psychiatry and Neuroscience) at the Mount Sinai School of Medicine, New York, NY (declined)
 02/2009 – present Professor of Biological Psychology and Cognitive Neuroscience, Freie Universität Berlin (W3 position, full professor, tenured)
 10/2005 – 09/2010 Head of Max-Planck Research Group “Neurocognition of Decision-making” at the Max Planck Institute for Human Development, Berlin (W2 position)
 12/2003 – 09/2005 Resident, Charité University Medicine Berlin, Campus Benjamin Franklin, Dept. of Neurology
 04/2001 – 11/2003 Postdoctoral fellow, Lab of Brain and Cognition, National Institutes of Health, National Institute of Mental Health, Bethesda, MD, USA.
 Supervisors: Leslie G. Ungerleider, Ph.D. and Peter A. Bandettini, Ph.D.
 06/2000 – 04/2001 Resident (“Arzt im Praktikum”), Charité University Medicine Berlin, Campus Mitte, Dept. of Neurology
 01/1996 – 09/1999 Graduate fellow, functional neuroimaging group (Prof. Dr. A. Villringer, director), Humboldt-University Berlin

Academic Leadership

12/2018 – present Vice President of Freie Universität Berlin (FUB)
 02/2015 – 12/2018 Dean of the Department of Education and Psychology (two terms) of FUB
 12/2014 – present Managing Director Center for Cognitive Neuroscience Berlin
 03/2013 – 02/2015 Vice Dean for Research of the Department of Education and Psychology of FUB
 02/2009 – 10/2014 Deputy speaker of the Cluster of Excellence “Languages of Emotion”

Graduate Studies

01/1996 – 06/1998 DFG Graduate program “Mechanisms of damage in CNS disease – Application of imaging techniques”

Education

1998 – 2000 Medical School, Essen University, Essen, Germany
1996 – 1998 Medical School, Humboldt-University, Berlin, Germany
1994 – 1995 Medical School, Munich University, Munich, Germany
1992 – 1994 Medical School, Münster University, Muenster, Germany

Qualifications

09/2002 License for the practice of medicine (‘Approbation’)
09/2000 Dr. med., Humboldt-University, Berlin, Germany, (‘Summa cum laude’)
05/2000 M.D, Essen University, Essen, Germany

Languages

German, English, French

Service

2020 – present Member of DFG Review Board 206 (Fachkollegium 206 Neurowissenschaft)
2018 – present Fellow of the Max Planck School of Cognition
2015 – 2018 Member of the extended Academic Senate of FUB
2015 – 2018 Member of the Medical Senate, Charité University Medicine Berlin
2006 – present Faculty member of the Berlin School of Mind and Brain
2006 – present Faculty member of the International Max Planck Research School on the Life Course (LIFE), MPI for Human Development

2. Publications

Google scholar profile: <https://scholar.google.de/citations?user=K1yPolkAAAAJ&hl=en>

ORCID-ID: <https://orcid.org/0000-0001-7912-6826>

Peer reviewed articles

156. Rillig, M. C., Lehmann, A., Bank, M. S., Gould, K. A., & Heekeren, H. R. (2021). Scientists need to better communicate the links between pandemics and global environmental change. *Nature Ecology & Evolution*, 1-2. <https://doi.org/10.1038/s41559-021-01552-7>
155. Liebig, J., Froehlich, E., Sylvester, T., Braun, M., Heekeren, H. R., Ziegler, J. C., & Jacobs, A. M. (2021). Neural processing of vision and language in kindergarten is associated with prereading skills and predicts future literacy. *Human Brain Mapping*.
154. Morawetz, C., Steyrl, D., Berboth, S., Heekeren, H. R., & Bode, S. (2020). Emotion Regulation Modulates Dietary Decision-Making via Activity in the Prefrontal–Striatal Valuation System. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhaa147>
153. Metz, S., Waiblinger-Grigull, T., Schulreich, S., Chae, W. R., Otte, C., Heekeren, H. R., & Wingenfeld, K. (2020). Effects of hydrocortisone and yohimbine on decision-making under risk. *Psychoneuroendocrinology*, 114, 104589. <https://doi.org/10.1016/j.psyneuen.2020.104589>
152. Pajkert, A., Ploner, C. J., Lehmann, T. N., Witte, V. A., Oltmanns, F., Sommer, W., ... & Finke, C. (2020). Early volumetric changes of hippocampus and medial prefrontal cortex following medial temporal lobe resection. *European Journal of Neuroscience*. <https://doi.org/10.1111/ejn.14784>
151. Schulreich, S., Gerhardt, H., Meshi, D., & Heekeren, H. R. (2020). Fear-induced increases in loss aversion are linked to increased neural negative-value coding. *Social Cognitive and Affective Neuroscience*, 15(6), 661-670. <https://doi.org/10.1093/scan/nsaa091>
150. McDonald, B., Becker, K., Meshi, D., Heekeren, H. R., & von Scheve, C. (2020). Individual differences in envy experienced through perspective-taking involves functional connectivity of the superior frontal gyrus. *Cognitive, Affective, & Behavioral Neuroscience*, 1-15. <https://doi.org/10.3758/s13415-020-00802-8>
149. Thomas, A. W., Molter, F., Krajbich, I., Heekeren, H. R., & Mohr, P. N. (2019). Gaze bias differences capture individual choice behaviour. *Nature human behaviour*, 3(6), 625-635.
148. Buritica, J. M. R., Heekeren, H. R., & van den Bos, W. (2019). The computational basis of following advice in adolescents. *Journal of experimental child psychology*, 180, 39-54.
147. Nowacki, J., Heekeren, H. R., Deuter, C. E., Joerissen, J. D., Schröder, A., Otte, C., & Wingenfeld, K. (2019). Decision making in response to physiological and combined physiological and psychosocial stress. *Behavioral neuroscience*, 133(1), 59. <https://doi.org/10.1037/bne0000288>
146. Oganian, Y., Heekeren, H. R., & Korn, C. W. (2019). Low foreign language proficiency reduces optimism about the personal future. *Quarterly Journal of Experimental Psychology*, 72(1), 60-75. <http://doi.org/10.1177/1747021818774789>
145. Rosenblau, G., O'Connell, G., Heekeren, H. R., & Dziobek, I. (2019). Neurobiological mechanisms of social cognition treatment in high-functioning adults with autism spectrum disorder. *Psychological Medicine*, 1-11. <https://doi.org/10.1017/S0033291719002472>
144. Thomas, A. W., Heekeren, H. R., Müller, K. R., & Samek, W. (2019). Analyzing neuroimaging data through recurrent deep learning models. *Frontiers in neuroscience*, 13, 1321. <https://doi.org/10.3389/fnins.2019.01321>
143. Shing, Y. L., Finke, C., Hoffmann, M., Pajkert, A., Heekeren, H. R., & Ploner, C. J. (2019). Integrating across memory episodes: Developmental trends. *Plos one*, 14(4), e0215848. <https://doi.org/10.1371/journal.pone.0215848>
142. Morawetz, C., Mohr, P. N., Heekeren, H. R., & Bode, S. (2019). The effect of emotion regulation on risk-taking and decision-related activity in prefrontal cortex. *Social cognitive and affective neuroscience*, 14(10), 1109-1118. <https://doi.org/10.1093/scan/nsz078>

141. Herm, J., Haeusler, K. G., Kunze, C., Krüll, M., Brechtel, L., Lock, J., ... & Endres, M. (2019). MRI Brain Changes After Marathon Running: Results of the Berlin Beat of Running Study. *International journal of sports medicine*, 40(13), 856-862. <https://doi.org/10.1055/a-0958-9548>
140. Rodriguez Buritica, J. M., Heekeren, H. R., Li, S.-C., & Eppinger, B. (2018). Developmental differences in the neural dynamics of observational learning. *Neuropsychologia*, 119, 12–23. <http://doi.org/10.1016/j.neuropsychologia.2018.07.022>
139. Eppinger, B., Heekeren, H. R., & Li, S. C. (2018). Age differences in the neural mechanisms of intertemporal choice under subjective decision conflict. *Cerebral Cortex*, 28(11), 3764-3774. <http://doi.org/10.1093/cercor/bhx239>
138. Korn, C. W., Heekeren, H. R., & Oganian, Y. (2018). The framing effect in a monetary gambling task is robust in minimally verbal language switching contexts. *Quarterly Journal of Experimental Psychology*, 1747021818769259. <http://doi.org/10.1177/1747021818769259>
137. Toelch, U., Panizza, F., & Heekeren, H. R. (2018). Norm compliance affects perceptual decisions through modulation of a starting point bias. *Royal Society Open Science*, 5(3), 171268. <http://doi.org/10.1098/rsos.171268>
136. Froehlich, E., Liebig, J., Morawetz, C., Ziegler, J. C., Braun, M., Heekeren, H. R., & Jacobs, A. M. (2018). Same Same But Different: Processing Words in the Aging Brain. *Neuroscience*, 371, 75–95. <http://doi.org/10.1016/j.neuroscience.2017.11.042>
135. Fatfouta, R., Meshi, D., Merkl, A., & Heekeren, H. R. (2018). Accepting unfairness by a significant other is associated with reduced connectivity between medial prefrontal and dorsal anterior cingulate cortex. *Social Neuroscience*, 13(1), 61–73. <http://doi.org/10.1080/17470919.2016.1252795>
134. Andrejević, M., Meshi, D., van den Bos, W., & Heekeren, H. R. (2017). Individual differences in social desirability are associated with white-matter microstructure of the external capsule. *Cognitive, Affective, & Behavioral Neuroscience*, 17(6), 1255–1264. <http://doi.org/10.3758/s13415-017-0548-2>
133. Pajkert, A., Finke, C., Shing, Y. L., Hoffmann, M., Sommer, W., Heekeren, H. R., & Ploner, C. J. (2017). Memory integration in humans with hippocampal lesions. *Hippocampus*, 27(12), 1230–1238. <http://doi.org/10.1002/hipo.22766>
132. Liebig, J., Froehlich, E., Morawetz, C., Braun, M., Jacobs, A. M., Heekeren, H. R., & Ziegler, J. C. (2017). Neurofunctionally dissecting the reading system in children. *Developmental Cognitive Neuroscience*, 27, 45–57. <http://doi.org/10.1016/j.dcn.2017.07.002>
131. Mohr, P. N. C., Heekeren, H. R., & Rieskamp, J. (2017). Attraction Effect in Risky Choice Can Be Explained by Subjective Distance Between Choice Alternatives. *Scientific Reports*, 7(1), 8942. <http://doi.org/10.1038/s41598-017-06968-5>
130. Morawetz, C., Bode, S., Baudewig, J., & Heekeren, H. R. (2017). Effective amygdala-prefrontal connectivity predicts individual differences in successful emotion regulation. *Social Cognitive and Affective Neuroscience*, 12(4), 569–585. <http://doi.org/10.1093/scan/nsw169>
129. Morawetz, C., Alexandrowicz, R. W., & Heekeren, H. R. (2017). Successful emotion regulation is predicted by amygdala activity and aspects of personality: A latent variable approach. *Emotion (Washington, D.C.)*, 17(3), 421–441. <http://doi.org/10.1037/emo0000215>
128. Rosenblau, G., Kliemann, D., Dziobek, I., & Heekeren, H. R. (2017). Emotional prosody processing in autism spectrum disorder. *Social Cognitive and Affective Neuroscience*, 12(2), 224–239. <http://doi.org/10.1093/scan/nsw118>
127. Morawetz, C., Bode, S., Derntl, B., & Heekeren, H. R. (2017). The effect of strategies, goals and stimulus material on the neural mechanisms of emotion regulation: A meta-analysis of fMRI studies. *Neuroscience & Biobehavioral Reviews*, 72, 111–128. <http://doi.org/10.1016/j.neubiorev.2016.11.014>
126. Morawetz, C., Oganian, Y., Schlickeiser, U., Jacobs, A. M., & Heekeren, H. R. (2017). Second Language Use Facilitates Implicit Emotion Regulation via Content Labeling. *Frontiers in Psychology*, 8(239), 366. <http://doi.org/10.3389/fpsyg.2017.00366>
125. Korn, C. W., La Rosée, L., Heekeren, H. R., & Roepke, S. (2016). Processing of information about future life events in borderline personality disorder. *Psychiatry Research*, 246, 719–724. <http://doi.org/10.1016/j.psychres.2016.07.067>
124. Rodriguez Buritica, J. M., Eppinger, B., Schuck, N. W., Heekeren, H. R., & Li, S.-C. (2016). Electrophysiological correlates of observational learning in children. *Developmental Science*, 19(5), 699–709. <http://doi.org/10.1111/desc.12317>

123. Majer, P., Mohr, P. N. C., Heekeren, H. R., & Hårdle, W. K. (2016). Portfolio Decisions and Brain Reactions via the CEAD method. *Psychometrika*, 81(3), 881–903. <http://doi.org/10.1007/s11336-015-9441-5>
122. Shing, Y. L., Brehmer, Y., Heekeren, H. R., Bäckman, L., & Lindenberger, U. (2016). Neural activation patterns of successful episodic encoding: Reorganization during childhood, maintenance in old age. *Developmental Cognitive Neuroscience*, 20, 59–69. <http://doi.org/10.1016/j.dcn.2016.06.003>
121. Nassar, M. R., Bruckner, R., Gold, J. I., Li, S.-C., Heekeren, H. R., & Eppinger, B. (2016). Age differences in learning emerge from an insufficient representation of uncertainty in older adults. *Nature Publishing Group*, 7, 11609. <http://doi.org/10.1038/ncomms11609>
120. Rosenblau, G., Kliemann, D., Lemme, B., Walter, H., Heekeren, H. R., & Dziobek, I. (2016). The role of the amygdala in naturalistic mentalising in typical development and in autism spectrum disorder. *The British Journal of Psychiatry: the Journal of Mental Science*, 208(6), 556–564. <http://doi.org/10.1192/bjp.bp.114.159269>
119. Brehmer, Y., Shing, Y. L., Heekeren, H. R., Lindenberger, U., & Bäckman, L. (2016). Training-induced changes in subsequent-memory effects: No major differences among children, younger adults, and older adults. *NeuroImage*, 131, 214–225. <http://doi.org/10.1016/j.neuroimage.2015.11.074>
118. Morawetz, C., Bode, S., Baudewig, J., Kirilina, E., & Heekeren, H. R. (2016). Changes in Effective Connectivity Between Dorsal and Ventral Prefrontal Regions Moderate Emotion Regulation. *Cerebral Cortex (New York, N.Y. : 1991)*, 26(5), 1923–1937. <http://doi.org/10.1093/cercor/bhv005>
117. Schulreich, S., Gerhardt, H., & Heekeren, H. R. (2016). Incidental fear cues increase monetary loss aversion. *Emotion (Washington, D.C.)*, 16(3), 402–412. <http://doi.org/10.1037/emo0000124>
116. Meshi, D., Mamerow, L., Kirilina, E., Morawetz, C., Margulies, D. S., & Heekeren, H. R. (2016). Sharing self-related information is associated with intrinsic functional connectivity of cortical midline brain regions. *Scientific Reports*, 6(1), 22491. <http://doi.org/10.1038/srep22491>
115. Seehausen, M., Kazzer, P., Bajbouj, M., Heekeren, H. R., Jacobs, A. M., Klann-Delius, G., et al. (2016). Effects of empathic social responses on the emotions of the recipient. *Brain and Cognition*, 103, 50–61. <http://doi.org/10.1016/j.bandc.2015.11.004>
114. Morawetz, C., Bode, S., Baudewig, J., Jacobs, A. M., & Heekeren, H. R. (2016). Neural representation of emotion regulation goals. *Human Brain Mapping*, 37(2), 600–620. <http://doi.org/10.1002/hbm.23053>
113. Korn, C. W., La Rosée, L., Heekeren, H. R., & Roepke, S. (2016). Social feedback processing in borderline personality disorder. *Psychological Medicine*, 46(3), 575–587. <http://doi.org/10.1017/S003329171500207X>
112. Esfahani-Bayerl, N., Finke, C., Braun, M., Düzel, E., Heekeren, H. R., Holtkamp, M., et al. (2016). Visuo-spatial memory deficits following medial temporal lobe damage: A comparison of three patient groups. *Neuropsychologia*, 81, 168–179. <http://doi.org/10.1016/j.neuropsychologia.2015.12.024>
111. Oganian, Y., Korn, C. W., & Heekeren, H. R. (2016). Language switching-but not foreign language use per se reduces the framing effect. *Journal of Experimental Psychology. Learning, Memory, and Cognition*, 42(1), 140–148. <http://doi.org/10.1037/xlm0000161>
110. Korn, C. W., Rosenblau, G., Rodriguez Buritica, J. M., & Heekeren, H. R. (2016). Performance Feedback Processing Is Positively Biased As Predicted by Attribution Theory. *PLoS ONE*, 11(2), e0148581. <http://doi.org/10.1371/journal.pone.0148581>
109. Froehlich, E., Liebig, J., Ziegler, J. C., Braun, M., Lindenberger, U., Heekeren, H. R., & Jacobs, A. M. (2016). Drifting through Basic Subprocesses of Reading: A Hierarchical Diffusion Model Analysis of Age Effects on Visual Word Recognition. *Frontiers in Psychology*, 7(328), 1863. <http://doi.org/10.3389/fpsyg.2016.01863>
108. Meshi, D., Tamir, D. I., & Heekeren, H. R. (2015). The Emerging Neuroscience of Social Media. *Trends in Cognitive Sciences*, 19(12), 771–782. <http://doi.org/10.1016/j.tics.2015.09.004>
107. Oganian, Y., Conrad, M., Aryani, A., Spalek, K., & Heekeren, H. R. (2015). Activation Patterns throughout the Word Processing Network of L1-dominant Bilinguals Reflect Language Similarity and Language Decisions. *Journal of Cognitive Neuroscience*, 27(11), 2197–2214. http://doi.org/10.1162/jocn_a_00853
106. Lausberg, H., Kazzer, P., Heekeren, H. R., & Wartenburger, I. (2015). Pantomiming tool use with an imaginary tool in hand as compared to demonstration with tool in hand specifically modulates the left middle and superior temporal gyri. *Cortex; a Journal Devoted to the Study of the Nervous System and Behavior*, 71, 1–14. <http://doi.org/10.1016/j.cortex.2015.05.021>
105. Eppinger, B., Heekeren, H. R., & Li, S.-C. (2015). Age-related prefrontal impairments implicate deficient prediction of future reward in older adults. *Neurobiology of Aging*, 36(8), 2380–2390. <http://doi.org/10.1016/j.neurobiolaging.2015.04.010>

104. Garrett, D. D., Nagel, I. E., Preuschhof, C., Burzynska, A. Z., Marchner, J., Wiegert, S., et al. (2015). Amphetamine modulates brain signal variability and working memory in younger and older adults. *Proceedings of the National Academy of Sciences of the United States of America*, 112(24), 7593–7598. <http://doi.org/10.1073/pnas.1504090112>
103. Rosenblau, G., Kliemann, D., Heekeren, H. R., & Dziobek, I. (2015). Approximating implicit and explicit mentalizing with two naturalistic video-based tasks in typical development and autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 45(4), 953–965. <http://doi.org/10.1007/s10803-014-2249-9>
102. Prehn, K., Korn, C. W., Bajbouj, M., Klann-Delius, G., Menninghaus, W., Jacobs, A. M., & Heekeren, H. R. (2015). The neural correlates of emotion alignment in social interaction. *Social Cognitive and Affective Neuroscience*, 10(3), 435–443. <http://doi.org/10.1093/scan/nsu066>
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100. Oganian, Y., Froehlich, E., Schlickeiser, U., Hofmann, M. J., Heekeren, H. R., & Jacobs, A. M. (2015). Slower Perception Followed by Faster Lexical Decision in Longer Words: A Diffusion Model Analysis. *Frontiers in Psychology*, 6(328), 1958. <http://doi.org/10.3389/fpsyg.2015.01958>
99. Fatfouta, R., Schulreich, S., Meshi, D., & Heekeren, H. (2015). So Close to a Deal: Spatial-Distance Cues Influence Economic Decision-Making in a Social Context. *PLoS ONE*, 10(8), e0135968. <http://doi.org/10.1371/journal.pone.0135968>
98. Heereman, J., Walter, H., & Heekeren, H. R. (2015). A task-independent neural representation of subjective certainty in visual perception. *Frontiers in Human Neuroscience*, 9(e96511), 551. <http://doi.org/10.3389/fnhum.2015.00551>
97. Philiastides, M. G., Heekeren, H. R., & Sajda, P. (2014). Human scalp potentials reflect a mixture of decision-related signals during perceptual choices. *Journal of Neuroscience*, 34(50), 16877–16889. <http://doi.org/10.1523/JNEUROSCI.3012-14.2014>
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93. Papenberg, G., Bäckman, L., Nagel, I. E., Nietfeld, W., Schröder, J., Bertram, L., et al. (2014). COMT polymorphism and memory dedifferentiation in old age. *Psychology and Aging*, 29(2), 374–383. <http://doi.org/10.1037/a0033225>
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90. Filimon F, Philiastides MG, Nelson JD, Kloosterman NA, Heekeren HR (2013). How Embodied Is Perceptual Decision Making? Evidence for Separate Processing of Perceptual and Motor Decisions. *J Neurosci*, 2013 Jan 30;33(5):2121-36. doi: 10.1523/JNEUROSCI.2334-12.2013
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Books

Heekeren HR (1999) Inauguraldissertation, Humboldt-Universität Berlin, Nichtinvasive optische Messung des zerebralen Cytochrom-c-Oxidase Redox-Status bei visueller Stimulation, Noninvasive optical assessment of the cerebral cytochrome-c-oxidase redox-state during visual stimulation (Summa cum laude)

Raab M, Johnson J, Heekeren HR (2009) Mind and Motion: The Bidirectional Link between Thought and Action, Progress in Brain Research, Elsevier, Amsterdam. 2009, ISBN: 978-0444533562 (325 pp).

Book chapters

Morawetz, C., & Heekeren, H. (2019). Emotion und Gehirn. An der Schnittstelle zwischen affektiver und kognitiver Neurowissenschaft. In *Emotionen* (pp. 88-94). JB Metzler, Stuttgart.

Gold, J. I., & Heekeren, H. R. (2014). Neural mechanisms for perceptual decision making. In *Neuroeconomics (Second Edition)* (pp. 355-372).

Sajda P, Philiastides MG, Heekeren HR, Ratcliff R (2011). Linking neuronal variability to perceptual decision making via neuroimaging, *Neuronal Variability and Its Functional Significance*, Editors: Mingzhou Ding and Dennis Glanzman, Oxford University Press.

Philiastides MG, Heekeren HR (2009). Spatiotemporal characteristics of perceptual decision making in the human brain. In "The handbook of reward and decision making." J.-C. Dreher, & L. Tremblay (Eds.), Amsterdam: Elsevier.

Green, N. & Heekeren, H.R. (2010). Perzeptuelle Entscheidungsfindung, In: Reimann, M. and Weber, B. (eds.) (2010), *Neuroökonomie*, Edited Textbook, Wiesbaden, Gabler Verlag.

Prehn, K., Heekeren, H.R. (2009). Moral judgment and the brain: A functional approach to the question of emotion and cognition in moral judgment integrating psychology, neuroscience and evolutionary biology. In: Braeckman, J., Verplaetse, J., De Schrijver, J., editors. *The moral brain*. Netherlands: Springer, pp. 129–54.

von Pannwitz W, Obrig H, Heekeren H, Müller A, Kohl M, Wolf T, Wenzel R, Dirnagl U, and Villringer A (1998). Clinical approaches in near-infrared spectroscopy. In "Transcranial Cerebral Oximetry" (G. Litscher and G. Schwarz, eds.), pp. 166–183. Pabst Science, Berlin.

3. Invited Talks (selection)

2019

SMG-Forum, Schweizer Management Gesellschaft, Zurich

Award Ceremony, Math-Nat Faculty, Düsseldorf University

Klinik für Psychiatrie und Psychotherapie, Charité University Medicine Berlin, Berlin

Society for NeuroEconomics, Dublin

2018

MPS-UCL symposium, Ringberg Castle

Frontiers in Social Neuroscience Symposium, UVA, Amsterdam

Frontiers Forum, Verbier

Maastricht University – Neuroeconomics Talks 2018, Maastricht

2017

LIN Symposium, Magdeburg

OCCAM, Osnabrück

Topoi Symposium, Berlin

Keynote, BCI Winter meeting, High1, South Korea

International Conference on Brain Plasticity linking Molecules, Cells, and Behavior, Magdeburg

2016

Keynote, ICNN 2016, Hangzhou, China

Umeå center for Functional Brain Imaging, Umea, Sweden

Keynote, Neuro-IS, Gmunden

Hanse-Wissenschaftskolleg, Delmenhorst

2015

Studienstiftung des deutschen Volkes, Hamburg

Encods, Sesimbra

2014

iMed conference, Lisbon

Winter School (EPFL, Lausanne), Sass-Almagell

2013

New Economic School, Moscow

National Chengchi University, Taipeh

Eine Welt ohne Seele und freien Willen? Methoden, Erkenntnisse und Konsequenzen der Hirnforschung, Symposium, EKH Foundation, Frankfurt

2012

ESF Workshop "Motivation and Action", Copenhagen

International Symposium "Biogenic amines as coordinators and controllers of physiological processes and behaviour", Berlin

2011

Bioclub FU Berlin, Berlin

Fall School International Research Training Group „Adaptive Minds“, Saarland University

FENS-IBRO Training Centre, „Imaging brain function in animals and humans“, Geneva

Physiology 2011, Oxford

Universitat Pompeu Fabra, Barcelona, Consolider-CogNeuro Seminar Series

International Jacobs University Bremen, [JCLL Lecture](#)

University of Zurich

University of Edinburgh

2010

UC Berkeley

ICN London

Karolinska Institutet, International Forum Lecture, Stockholm

Urania Berlin, Berlin

Universität Konstanz, Konstanz

2009

Kyoto International Seminar on Psychology, Kyoto University, Japan

Human Neuroimaging Lab, Baylor College, Houston, TX

The Center for Brain Health, University of Texas at Dallas, Dallas, TX

Bernstein-Riken conference, Berlin

2nd Sino-German Frontiers of Science Symposium, Potsdam

Evangelische Akademie, Loccum

Neurocultures, MPI for History of Science, Berlin

2008

Workshop Animal emotionale, ZIF, Bielefeld

Brain Meeting, FIL, UCL, London, UK

Workshop Systems Biology of Decision Making, Columbus, Ohio

Brain awareness week, Rome

Centre de Neurosciences Cognitives, CNRS UMR 5529, Lyon

Alpine Brain Imaging Conference, Champéry

2007

Maxnet Aging Conference, Stockholm

Seminar on the Foundations of Human Social Behavior, Zürich

NWFZ Symposium, Berlin

Woche des Gehirns, Basel

Biozentrum Basel, Thursday Seminars in Neurobiology, Basel

2006

1st International Workshop of the Research Project „*animal emotionale* – Emotions as the Missing Link Between Cognition and Action, Bonn

Frankfurt Symposium BIC-MEG, Frankfurt

Neuroscience Lecture, UKE, Hamburg

F.C. Donders Center for Cognitive NeuroImaging, Nijmegen

Brain meeting, Wellcome Department of Imaging Neuroscience, London, UK

Workshop: DOUBLE STANDARDS Towards an Integration of Evolutionary and Neurological Perspectives on Human Morality, Ghent

Symposium: From perceptual to economic decisions, ECVF 2006, St. Petersburg

2005

Banbury Workshop: Neurobiology of Decision-making. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY

CVS Symposium, University of Rochester, NY

2002

Gruter Institute, Squaw Valley, CA

1997

Pre-conference special session, 3rd international Conference on Human Brain Mapping, Copenhagen

4. Teaching activities

I have several years of experience in teaching medical students as well as psychology and cognitive neuroscience students. I have taught different types of courses (lectures, seminars, bedside teaching). In 2010, we established a new Master's program at Freie Universität, "Social, Cognitive, and Affective Neuroscience" (as of 2021 replaced by Master's program "Cognitive neuroscience"), in which I do most of my teaching activities. As a faculty member I have taught in the International Max Planck Research School on the Life Course (LIFE) as well as the Berlin School of Mind and Brain.

Supervised MD and PhD Theses

On-going

Y. Yao, Einstein Center for Neurosciences Berlin

P. Ganesh, Berlin School of Mind and Brain

Finished

R. Bruckner, 2020, Psychology, Freie Universität Berlin, currently Postdoc, Freie Universität Berlin

A. Thomas, 2020, Machine Learning, Technical University Berlin, currently Postdoc, Stanford University

S. Schulreich, 2017, Psychology, Freie Universität Berlin, currently Postdoc, Hamburg University

J. Rodriguez-Buritica, 2017, Berlin School of Mind and Brain, Freie Universität Berlin, currently Postdoc, Freie Universität Berlin

J. von Heereman, Psychology, 2016, Freie Universität Berlin, now in Industry (Founder of Team Building Things, Founder of Normcut)

Y. Oganian, Psychology, 2015, Freie Universität Berlin, currently Postdoc, UCSF

R. Fatfouta, Psychology, 2015, Freie Universität Berlin, now in Industry (Bundesdruckerei)

D. Kliemann, 2013, Psychology, Freie Universität Berlin, currently Assistant Professor Univ. of Iowa

G. Rosenblau, 2013, Psychology, Freie Universität Berlin, currently Assistant Professor, George Washington University

C. Korn, 2013, Berlin School of Mind and Brain, Freie Universität Berlin, currently Jun.-Prof., Heidelberg University

N. Green, 2013, Berlin School of Mind and Brain, Freie Universität Berlin, now in Industry (RoX Health)

H. Wenzlaff, 2012, Medical Neuroscience, Charité, Humboldt-University Berlin, currently Professor, Medical School Berlin

M. Bahnemann, 2012, MD, Neurology, Charité University medicine Berlin, currently DRK Kliniken Berlin

L. Krugel, 2012, MD, Neurology, Charité University medicine Berlin, currently Resident, Charité

S. Park, 2011, Berlin School of Mind and Brain, Freie Universität Berlin, currently Professor,
Charité & Deutsches Institut für Ernährungsforschung
P. Mohr, 2011, Max Planck International Research School LIFE, Freie Universität
Berlin, currently Professor, Freie Universität Berlin

Thesis examiner

Laurence Hunt, University of Oxford, UK

Nicholas Wright, UCL, UK

Marco Economides, UCL, UK

5. Organization of Conferences, Workshops and Symposia

03/2020	Online-Conference DIGI_HD2020, Program Committee
10/2019	10 th anniversary of Center of Cognitive Neuroscience Berlin
09/2019	Workshop: Decision Making and the Brain, University of Zurich
05/2018	Workshop: Montreal - Berlin - Decision Neuroscience, McGill University, Montreal, Canada
09/2013	Annual meeting of the Society for Neuroeconomics. President
05/2012	2nd Einstein Fellowship Symposium, Berlin School of Mind and Brain. Session Chair
02/2011	Advances in Affective Neurosciences. Workshop. Hanse-Wissenschaftskolleg (HWK) Delmenhorst, Organized jointly with Arthur Jacobs, Thorsten Fehr, Manfred Herrmann
11/2010	Model-based Neuroimaging and Decision Neuroscience, Minisymposium, Annual Meeting of the Society for Neuroscience, San Diego, CA, Chairs: Birte Forstmann & Hauke R. Heekeren
10/2010	Berlin Decision Neuroscience Workshop, MPI for Human Development, Organizer (www.decisionneuroscience.de)
05/2010	Neuroeconomics: Genetics, Aging and Culture, 3rd Sino-German Frontiers of Science Symposium organized by the Alexander von Humboldt Foundation and the Chinese Academy of Science, Member of Organizing Committee and Session Co-Chair, Qingdao, China
05/2008	Mind and Motion: The Bidirectional Link between Thought and Action, Organized jointly with Markus Raab and Joseph Johnson, Center for Interdisciplinary Research (ZIF), Bielefeld
06/2007	A Multi-Level Perspective on the Neural Correlates of Perceptual Decision Making. Human Brain Mapping 2007, Chicago, USA

- 08/2006 From perceptual to economic decisions, Organized jointly with V. Klucharev and Ale Smidts, ECVP 2006, St. Petersburg, Russia
- 06/2004 Moral Decision Making – Neuroimaging, Neurophilosophy and Law, Berlin, Germany

6. Awards & Honors

2015	Teaching Award ("Preis für gute Lehre"), Department of Education and Psychology and Education, Freie Universität Berlin
2012	President of the Society for Neuroeconomics
2008	Medical Neurosciences Teaching Award 2007
2005	Emmy-Noether-Award (DFG)
2004	Rudolf Virchow Award for excellence in research, Charité University Medicine Berlin
2004	Travel award, Organization for Human Brain Mapping
2003	Travel award, Organization for Human Brain Mapping
2001	Postdoctoral fellowship, Emmy-Noether-Program, Deutsche Forschungsgemeinschaft (DFG), "Neurocognition of decision-making"
1997	Graduate scholarship, Deutsche Forschungsgemeinschaft (DFG), Graduate Programme 238 'Mechanisms of damage in CNS disease - Application of imaging techniques', Humboldt University, Berlin

7. Professional Activities

Service: Disciplinary

President, Society for Neuroeconomics, 2012

Executive Board (Elected), Society for Neuroeconomics, 2010-2014

Society Memberships: Society for Neuroscience, Organization for Human Brain Mapping (HBM), Cognitive Neuroscience Society, Society for Neuroeconomics, Deutsche Gesellschaft für Psychologie

Journal & Grant reviewing

Reviewer of Journal Submissions

Nature, Science, PLoS Biology, Neuron, Nature Neuroscience, Trends in Neuroscience, Trends in Cognitive Science, Proceedings of the National Academy of Sciences, USA (PNAS), Journal of Neuroscience, Journal of Cognitive Neuroscience, Cerebral Cortex, Biological Psychiatry, NeuroImage, Human Brain Mapping, and others.

Reviewer of Grant Applications

Deutsche Forschungsgemeinschaft, Volkswagen Foundation, DAAD, National Science Foundation, USA, Wellcome Trust, UK, Medical Research Council, UK, Swiss National Science Foundation, Netherlands Organisation for Scientific Research, and others.

Editorial Board

2019 – Field Chief Editor Frontiers in Human Neuroscience
2010 – Chief Editor Frontiers in Decision Neuroscience
2011 – 2019 Specialty Chief Editor Frontiers in Human Neuroscience
2009 – 2011 Associate Editor Frontiers in Human Neuroscience
2008 – 2009 Editorial board Frontiers in Human Neuroscience
2007 – 2010 Editorial board Acta Neuropsychiatrica

8. Public Funding

Center Grants & Graduate Programs

Funding period: 11/2012 - 10/2017
Source: German Excellence Initiative - "Exzellenzinitiative des Bundes und der Länder zur Förderung von Wissenschaft und Forschung an deutschen Hochschulen" (Co-Applicant)
Topic: Berlin School of Mind and Brain (www.mind-and-brain.de/)
Speaker: A. Villringer, M. Pauen
Amount: ca. 1 Mio € p.a. (total 5 Mio €)

Funding period: 11/2006 - 10/2011
Source: German Excellence Initiative - "Exzellenzinitiative des Bundes und der Länder zur Förderung von Wissenschaft und Forschung an deutschen Hochschulen" (Co-Applicant)
Topic: Berlin School of Mind and Brain (www.mind-and-brain.de/)
Speaker: A. Villringer, M. Pauen
Amount: ca. 1 Mio € p.a. (total 5 Mio €)

Funding period: 11/2007 - 10/2012
Source: German Excellence Initiative - "Exzellenzinitiative des Bundes und der Länder zur Förderung von Wissenschaft und Forschung an deutschen Hochschulen"
Topic: "Languages of Emotion", Cluster of Excellence, Freie Universität Berlin
Speaker: H. Kappelhoff, H.R. Heekeren (deputy speaker)
Amount: ca. 6 Mio € p.a. (total 30 Mio €)

Funding period: 2010 - 2014
Source: DFG, Graduiertenkolleg 1589 (Co-Applicant)
Topic: "Sensory Computation in Neural Systems"
Speaker: Klaus Obermayer

Individual Grants

Funding period: 11/2018 - 10/2021
Source: DFG, HE 3347/9-1 "The interaction of memory and reinforcement learning in value-based choice"
Topic: Memory and Reinforcement learning
Collaboration: H. Heekeren (PI), Ulman Lindenberger (collaborator)
Amount: 1 x Postdoc, ca. 156 T€ p.a. (468 T€)

Funding period: 11/2018 - 10/2021
Source: DFG, HE 3347/8-1 "The role of stress neuromodulators in decision making under risk"
Topic: Stress neuromodulators and decision making
Collaboration: H. Heekeren, K. Wingefeld
Amount: 45T€

- Funding period: 4/2014 - 3/2017
Source: DFG, HE 3347/6-1 "Gains and losses in reputation"
Topic: Reputation
Collaboration: H. Heekeren
Amount: 1 x Postdoc, ca. 120 T€ p.a. (360 T€)
- Funding period: 1/2013 - 12/2016
Source: DFG, SFB 649 "Security and Risk" (TP A12)
Topic: Einflüsse des Entscheidungskontexts auf die Risikowahrnehmung bei Anlageentscheidungen.
Collaboration: H. Heekeren
Amount: 1 x BAT IIa, ca. 72 T€ p.a. (288 T€)
- Funding period: 5/2011 - 04/2013
Source: BMBF Research collaboration „IRAGS" (Speaker: Arthur Jacobs)
Topic: Sub-project "Individual Reading-Associated Genetic Score (IRAGS)".
Collaboration: H. Heekeren, A. Jacobs, J. Ziegler, U. Lindenberger, L. Bertram,
Amount: 1 x BAT IIa/2, ca. 36 T€ p.a. (total 144 T€)
- Funding period: 7/2010 - 10/2012
Source: DFG, Cluster of Excellence "Languages of Emotion"
Topic: "FIFA – embodying the nation"
Collaboration: H. Heekeren, Christian von Scheve
Amount: 1 x BAT IIa/2, ca. 40 T€ p.a. (120 T€)
- Funding period: 6/2009 - 05/2011
Source: Volkswagen Foundation
Topic: Behavioral and Neurobiological Foundations of Risk Preferences in American and German Baby Boomers.
Collaboration: H. Heekeren (Speaker), U. Lindenberger, S.-C. Li, B. Knutson, L. Carstensen (Stanford University)
Amount: 1 x BAT IIa, ca. 72 T€ p.a. (total 144 T€)
- Funding period: 1/2009 - 12/2012
Source: DFG, SFB 649 "Security and Risk" (TP A12)
Topic: Contextual Influences on Risk Perception in Investment Decisions.
Collaboration: H. Heekeren & J. Rieskamp
Amount: 1 x BAT IIa, ca. 102 T€ p.a. (408 T€)
- Funding period: 1/2009 - 12/2011
Source: Deutsche Forschungsgemeinschaft, (PAK317) HE 3347/3-1
Topic: Visual Memory in younger and older adults: EEG and fMRI Studies of Neural Dynamics underlying Repetition Priming
Collaboration: H. Heekeren, U. Lindenberger, S.-C. Li
Amount: 1 x BAT IIa, ca. 72 T€ p.a. (216 T€)
- Funding period: 7/2009 - 10/2012
Source: DFG, Cluster of Excellence "Languages of Emotion"
Topic: Training Socio-Emotional Competencies: Development and Evaluation of a New Software Tool for Adults with Asperger Autism
Collaboration: I. Dziobek, H. Kappelhoff
Amount: 2 x BAT IIa/2, ca. 80 T€ p.a. (total 175 T€)

Funding period: 11/2007 - 5/2011
 Source: BMBF, Research collaboration „Cognitive Neuroscience of decision making and performance monitoring in health and obsessive-compulsive disorder” (Speaker: Markus Ullsperger)
 Topic: Sub-project TP3: Reward- and monitoring-based decision making in the healthy brain: behaviour, genes, and neural correlates
 Amount: BAT IIa, ca. 73 T€ p.a. (218 T€)

Funding period: 1/2008 - 6/2011
 Source: BMBF, Research collaboration BMBF, „The Role of the Emotional Network and Neuropeptidergic Modulation in Normal and Impaired Social Cognition”. (Speaker: Sabine Herpertz)
 Topic: Module 3: Social cognition and empathy in autism spectrum disorders
 Amount: BAT IIa, ca. 102 T€ p.a. (308 T€)

Funding Period: 2007
 Source: BMBF, NIL-Initiative, NIL – II
 Duration: 12 months
 Topic: Learning Induced Improvements in Mathematical Cognition: Cerebral Correlates and Sources of Individual Differences
 Speaker: I. Wartenburger (Project Imaging)
 Collaboration: E. van der Meer, J. Kramer, HR. Heekeren, I. Wartenburger
 Amount: Project Imaging: 35T€ (1 PhD-Student, 1 Student assistant, consumables)

Funding Period: 2008 - 2010
 Source: Organization for Autism Research
 Topic: Evaluating the effectiveness of the Social Cognition Training Tool (SCOTT) in autism spectrum conditions on behavioral, oculomotor, and neuronal levels
 Collaboration: I. Dziobek, S. Bölte, HR. Heekeren
 Amount: 59 T\$ (40 T€)

Funding Period: 2005 - 2011
 Source: DFG, Emmy-Noether-Award (He 3347/1-2)
 Topic: Neurocognition of Decision-making
 Amount: ca. 188 T€ per year for 5 years (940T€)

Funding period: 2005 - 2008
 Source: BMBF (Berlin NeuroImaging Center, P11, Co-PI)
 Topic: Dopaminergic Neuromodulation in Cognitive Aging
 Amount: BAT IIa/2, ca. 28 T€ per year (84 T€)

Funding period: 2005 - 2008
 Source: BMBF (Berlin NeuroImaging Center, P13, Co-PI)
 Topic: Dopaminergic Neuromodulation in Cognitive Aging
 Amount: BAT IIa/2, ca. 28 T€ per year (84 T€)

Funding period: 2006 (NIL – I)
 Source: BMBF, with Prof. van der Meer, Prof. Kramer, Dr. Wartenburger
 Topic: Behavioral and neural correlates of mathematical giftedness.
 Amount: 6 T€