

Hans Kirschner

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Professional Appointments

- Since 04.2017 Postdoctoral Research Fellow at the Otto von Guericke University, Neuropsychology Department, Magdeburg, Germany, Prof. Dr. Markus Ullsperger
- 06.2016 – 05.2017 Psychologist at the Mobile Counseling for Victims of Right-Wing Violence, Saxony-Anhalt

Education

- 2011 - 2016 PhD student at the University of Exeter, School of Psychology, UK; Topic: „Compassion for the self and well-being: psychological and biological correlates of a new concept“; Supervisors: Prof. Anke Karl and Prof. Willem Kuyken
- 2004 - 2011 Degree in Psychology at the Technical University of Dresden, Germany
- 2004 Abitur (i.e., high school degree)

Selected Scholarships and Awards

- 2011 – 2016 University of Exeter Graduate Fellowship match-funded to a Wellcome Capital Bit Award to the Mood Disorders Centre, University of Exeter. (Salary and Research Funds)
- 2011 – 2013 University of Exeter Music Scholarship (Composition and Guitar)
- 08.2012 Grand awarded by the Compassionate Mind Foundation, UK; to support the research project: „Compassion for the self and well-being: psychological and biological correlates of a new concept“

Peer-Reviewed Publications (*shared authorship)

Kirschner, H., Nassar, M. R., Fischer, A. G., Frodl, T., Meyer-Lotz, G., Froböse, S., Seidenbecher, S., Klein, T. A., & Ullsperger, M. (2023). Transdiagnostic inflexible learning dynamics explain deficits in depression and schizophrenia. *Brain*, 147(1), 201-214.

Kirschner, H., Fischer, A. G., Danielmeier, C., Klein, T. A., & Ullsperger, M. (2024). Cortical β

Power Reflects a Neural Implementation of Decision Boundary Collapse in Speeded Decisions. *The Journal of Neuroscience*, 44(13), e1713232024.

Overmeyer, R., **Kirschner**, H., Fischer, A. G., & Endrass, T. (2023). Unraveling the influence of trial-based motivational changes on performance monitoring stages in a flanker task. *Scientific Reports*, 13(1), 19180.

Kirschner, H., Fischer, A. G., & Ullsperger, M. (2022). Feedback-related EEG dynamics separately reflect decision parameters, biases, and future choices. *Neuroimage*, 259, 119437.

Kirschner, H., & Klein, T. A. (2022). Beyond a blunted ERN - Biobehavioral correlates of performance monitoring in schizophrenia. *Neurosci Biobehav Rev*, 133, 104504.

Kirsch*, F., **Kirschner***, H., Fischer, A. G., Klein, T. A., & Ullsperger, M. (2022). Disentangling performance-monitoring signals encoded in feedback-related EEG dynamics. *Neuroimage*, 257, 119322.

Kirschner, H., Kuyken, W., & Karl, A. (2022). A Biobehavioural Approach to Understand How Mindfulness-Based Cognitive Therapy Reduces Dispositional Negative Self-Bias in Recurrent Depression. *Mindfulness*, 13(4), 928-941.

Kirschner, H., Humann, J., Derrfuss, J., Danielmeier, C., & Ullsperger, M. (2021). Neural and behavioral traces of error awareness. *Cogn Affect Behav Neurosci*, 21(3), 573-591.

Kirschner, H., Kuyken, W., Wright, K., Roberts, H., Brejcha, C., & Karl, A. (2019). Soothing Your Heart and Feeling Connected: A New Experimental Paradigm to Study the Benefits of Self-Compassion. *Clin Psychol Sci*, 7(3), 545-565.

Kirschner, H., Hilbert, K., Hoyer, J., Lueken, U., & Beesdo-Baum, K. (2016). Psychophysiological reactivity during uncertainty and ambiguity processing in high and low worriers. *Journal of Behavior Therapy and Experimental Psychiatry*, 50, 97-105.

Book Chapter

Kirschner, H., & Ullsperger, M. (2024). The medial frontal cortex, performance monitoring, cognitive control, and decision making. In Reference Module in Neuroscience and Biobehavioral Psychology. Elsevier.

Chaired Conference Symposia

Oct. 2022 Disentangling multiplexed contributions to error and reward processing alterations in psychiatry. Symposium for the 62ND Annual Meeting der Society for Psychophysiological Research in Vancouver, Canada

External Seminar and Laboratory Talks

Dec. 2023	Cognition group seminar, University of Exeter
Dec. 2023	Frank Lab, Brown University
Sep. 2023	Nassar Lab, Brown University
Aug. 2022	Shenhav Lab, Brown University
May 2022	Nassar Lab, Brown University
Dec. 2018	Cognition group seminar, University of Exeter

Conference Presentations

Kirschner, H., Fischer, A. G., Danielmeier, C., Klein, T. A., & Ullsperger, M. (2024). Cortical β Power Reflects a Neural Implementation of Decision Boundary Collapse in Speeded Decisions. Motivational and Cognitive Control, Lyon, FR [**Poster**]

Kirschner, H., Fischer, A. G., Frodl, T., Klein, T. A., & Ullsperger, M. (2022). Selective biases in reinforcement learning signals in depression and schizophrenia. Computational Properties of Prefrontal Cortex, Oxford, UK [**Poster**]

Kirschner, H., Barnhofer, T., & Ullsperger, M. (2019). Disentangling the link between Mindfulness and Error Processing. Motivational and Cognitive Control, Berlin, Germany [**Poster**]

Kirschner, H., Kuyken, W., & Karl, A. (2017, December). Mindfulness-based Cognitive therapy normalises psychophysiological responses to a self-compassion exercise in recurrent depression. Annual Meeting der Society for Psychophysiological Research in Vienna, Austria [**Poster**]

Kirschner, H., Kuyken, W., & Karl, A. (2017) *Mindfulness based cognitive therapy normalises psychophysiological responses to a self-compassion exercise in recurrent depression.* 45th Annual Conference of the British Association for Behavioural and Cognitive Psychotherapies (BABCP), Manchester, UK [**TALK**]

Kirschner, H., Kuyken, W., & Karl, A. (2014) *Psychophysiology of self-compassion and the role of individual differences.* 42nd Annual Conference of the British Association for Behavioural and Cognitive Psychotherapies (BABCP), Birmingham, UK [**TALK**]

Kirschner, H., Kuyken, W., & Karl, A. (2014). Does self-compassion meditation enhance positive self-referential processing? Annual Meeting der Society for Psychophysiological Research in Florence, Italia [**Poster**]

Kirschner, H., Kuyken, W., & Karl, A. (2013) *Compassion for the Self: psychophysiological correlates of a new concept that facilitates resilience in mood disorders.* 43rd Congress

of the European Association of Behavioural and Cognitive Therapies (EABCT), Marrakech, Morocco **[TALK]**

Kirschner, H., et al. (2012). Psychophysiological correlates of anticipatory anxiety and uncertainty in high and low worriers: an experimental study. Annual Meeting der Society for Psychophysiological Research in New Orleans, USA **[Poster]**

Kirschner, H., Berndt, C., Bucks, R., Hogan, A., & Karl, A. (2011). The relationship between performance monitoring, mood, and ageing. Annual Meeting der Society for Psychophysiological Research in Boston, USA **[Poster]**

Service Roles

2024 – Present Midlevel Representative, OVGU

2022 – Present Departmental Colloquium Committee, OVGU

Teaching

- Invited workshops on "Advanced EEG single-trial analysis techniques"
- Seminar OVGU: "Clinical neuroscience" (undergraduate Level; Summer terms 2017-2022)
- Seminar OVGU: "EEG: Theory and Practice" (graduate Level; Summer terms 2017-2022)
- Seminar OVGU: "EEG: Theory and Practice" (graduate Level; Summer terms 2017-2022)

Ad Hoc Reviewer

Neuroimage, Scientific Reports, Biological Psychiatry, Neuroscience Biobehavioral Reviews, European Journal of Neuroscience, POLS ONE, Psychological Research, Psychophysiology, Cerebral Cortex, Psychological Medicine, Behavioural and Cognitive Psychotherapy