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Beiträge in Zeitschriften mit Peer-Review-Prozess

Rice, L.C., Langan, M., Cheng, D.T., Sheu, Y., **Peterburs, J.**, Hua, J., Qin, Q., Rilee, J., Faulkner, M., Mathena, J., Munro, C., Wand, G., McCaul, M., Desmond, J.E. (2023). Disrupted executive cerebro-cerebellar functional connectivity in alcohol use disorder. *Alcohol: Clinical and Experimental Research*, 1–15. <https://doi.org/10.1111/acer.15219>.

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* *gleichwertiger Beitrag; geteilte Erst- bzw. Letztautorschaft*

Buchveröffentlichungen

Ocklenburg, S., **Peterburs, J.** (2017). The ontogenesis of handedness and language lateralization. In: Galaburda, A.M., Gaab, N., Hoeft, F., McCardle, P. (Hrsg.). *Dyslexia and Neuroscience: The Geschwind-Galaburda Hypothesis 30 Years Later*. Towson, MD: Brookes.

Kirschbaum, C. (Hrsg.) (2008). *Biopsychologie von A bis Z*. Heidelberg: Springer Medizin Verlag. (*Ich habe verschiedene Lexikon-Artikel für diese biopsychologische Enzyklopädie verfasst.*)

Eingeladene Vorträge

- 2023** Your brain on snacks - Neuronale Belohnungsverarbeitung und ihre Relevanz im Kontext von Essstörungen und Übergewicht. 2. Sommersymposium der Klinik für Psychosomatische Medizin & Psychotherapie, *Helios Kliniken Schwerin*
- 2023** Reward and punishment sensitivity and Pavlovian bias in feedback-based learning. Symposium of Learning and Socio-emotional neural functions. *University of Jyväskylä, Finland*
- 2022** Situational and inter-individual influences in performance monitoring, *University of Jyväskylä, Finland*
- 2022** Tasting colors and seeing sound – Synaesthesia as a window into the mechanisms of multisensory integration. Workshop “Mind & Brain”, Kooperation der *MSH Medical School Hamburg und des St. Hilda’s College der University of Oxford*
- 2021** The role of the cerebellum for feedback processing. Neurophysiologisches Seminar, *Universitätsmedizin Essen*
- 2019** Die Biopsychologie der Handlungsüberwachung. Institut für Psychologie, *Universität Greifswald*
- 2018** Chocolate incentives – Reward preferences in active and observational feedback processing. *Tagung der European Society for Cognitive and Affective Neuroscience, Leiden, Niederlande*
- 2018** Cerebellar contributions to sequence prediction in verbal working memory. *Jahrestagung der International Society for Behavioral Neuroscience in Anchorage, AK, USA; Symposium “The motor-cognitive interface – motor system contributions to cognition”*
- 2018** Biopsychologische Grundlagen der Handlungsüberwachung. *Klinische Psychologie, Universität Siegen*
- 2017** Inter-individual and situational modulators of performance monitoring. *School of Psychology, Victoria University, Wellington, New Zealand*
- 2017** Situational and inter-individual modulation of human performance monitoring. *School of Psychology, University of Auckland, New Zealand*
- 2017** Lateralized response inhibition in left- and right-handers - Testing the Asymmetric Inhibition Model. *Who am I and how do I feel about it? First New Zealand - German symposium on emotion and consciousness*. Biopsychologie, Ruhr-Universität Bochum
- 2017** Die Biopsychologie der Handlungsüberwachung. *Institut für Psychologie, Christian-Albrechts-Universität zu Kiel*

- 2016** Error and feedback processing in social anxiety. *Tagung experimentell arbeitender Psychologen (TeaP), Heidelberg*
- 2015** Error and feedback processing in social anxiety disorder. *Lehrstuhl für Sozialpsychologie, Universität Münster*
- 2015** Towards gender equality in science. *EVOBRAIN – Erste deutsch-brasilianische Sommerschule zur komparativen Neurowissenschaft der Hirnevolution, Rio de Janeiro, Brasilien*
- 2014** Relationship between eye movements and cerebellar activation in a verbal working memory task. *Lehrstuhl für experimentelle und biologische Psychologie, Heinrich-Heine-Universität, Düsseldorf*
- 2014** Processing of eye movement-related information in the human cerebellum. *Clinical Neuroscience Series, Neurologie, Johns Hopkins School of Medicine, Baltimore, MD, USA*
- 2014** Thalamic and cerebellar contributions to saccade monitoring. *Neurobiologie, Duke Institute of Brain Sciences, Duke University, Durham, NC, USA*
- 2013** Neural coding of uncertainty in a subclinical obsessive-compulsive sample. *Lehrstuhl für Klinische Neuropsychologie, Ruhr-Universität Bochum*
- 2013** The role of thalamus and cerebellum for processing of saccade-related efference copy signals. *Lehrstuhl für Neurophysik, Universität Marburg*
- 2013** Opportunities and challenges for women in science. *Erste südafrikanisch-deutsche Sommerschule zu komparativer Psychologie, Johannesburg, Südafrika*
- 2012** To err or not to err – Cerebellar lesions alter performance monitoring on the antisaccade task. *Neurophysiologisches Seminar, Universitätsklinikum Essen*
- 2011** Cerebellar and thalamic contributions to saccade-related efference copy processing. *Abteilung Kognitive Neurowissenschaften, Neurologie, Johns Hopkins University School of Medicine, Baltimore, USA*

Konferenzbeiträge (ausgewählte)

Peterburs, J. (2023). The effect of cerebellar TMS on error and feedback processing in a probabilistic learning task. Cerebellum Gordon Research Conference, Bates College, Lewiston, Maine, USA

Vahedi, J., Bahic, A., Chaliani, I., Schilbach, L., Ciupka-Schön, B., Bellebaum, C., Pietrowsky, R., **Peterburs, J.** (2023). Monitoring of self-committed versus observed errors in obsessive-compulsive disorder and social anxiety disorder: an ERP study. Poster, Jahrestagung der Society for Psychophysiological Research, New Orleans, USA.

Berlijn, A.M., Huvermann, D.M., Groiss, S.J., Mittelstädt, M., Schnitzler, A., Bellebaum, C., Timmann, D., Minnerop, M., **Peterburs, J.** (2022). The effect of cerebellar TMS on error processing: a combined single-pulse TMS and ERP study. Poster, Jahrestagung der Society for Psychophysiological Research, Vancouver, Kanada.

Huvermann, D.M., Berlijn, A.M., Groiss, S.J., Mittelstädt, M., Schnitzler, A., Bellebaum, C., Minnerop, M., Timmann, D., **Peterburs, J.** (2022). Feedback processing under cerebellar and vertex single-pulse TMS stimulation. Poster, Jahrestagung der Society for Psychophysiological Research, Vancouver, Kanada.

Peterburs, J. (2022). Targeting the error-related negativity (ERN) with cerebellar transcranial magnetic stimulation. Talk at the annual meeting of the International Society for Behavioral Neuroscience in St. John's, Neufundland, Kanada.

Ocklenburg, S., **Peterburs, J.** (2022). Ecological validity in affective and cognitive neuroscience: Using mobile EEG and VR. Vortrag, Jahrestagung der International Society for Behavioral Neuroscience in St. John's, Neufundland, Kanada.

Packheiser, J., El Basbasse, Y., **Peterburs, J.**, Güntürkün, O., Serow, E., Maymon, C., Grimshaw, G., Ocklenburg, S. (2022). Measuring the neural correlates of real-life fear using virtual reality and mobile EEG. Vortrag, Jahrestagung Psychologie und Gehirn, Freiburg

Peterburs, J. (2021). Your brain on snacks – Neural coding of subjective reward preferences in the context of selective devaluation. Vortrag, Jahrestagung der International Society for Behavioral Neuroscience (virtueller Kongress aufgrund der COVID-19 Pandemie)

Peterburs, J. (2020). Zerebelläre Prädiktion im verbalen Arbeitsgedächtnis. Vortrag, Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung (virtueller Kongress aufgrund der COVID-19 Pandemie)

Peterburs, J., Bellebaum, C. (2019). It's all about chocolate! The impact of subjective preferences on active and observational outcome processing. Vortrag, Jahrestagung der International Society for Behavioral Neuroscience in Taormina, Italien

Liang, Y., **Peterburs, J.**, Cheng, D.T., Desmond, J.E. (2018). Sensory acquisition functions of the cerebellum in verbal working memory: An fMRI investigation. Poster, Jahrestagung der Society for Neuroscience, San Diego, USA

Bloes, R.D., **Peterburs, J.**, Otero-Milan, S.I., Kronemer, S., Marvel, C.L. (2017). Selective working memory deficits in cerebellar ataxia. Poster, Jahrestagung der Society for Neuroscience, Washington DC, USA

Peterburs, J., Voegler, R., Bellebaum, C., Straube, T. (2016). Under watchful eyes: Social observation modulates feedback processing in social anxiety disorder. Poster, Jahrestagung der Society for Neuroscience, San Diego, CA, USA

Peterburs, J., Rustemeier, M, Thürling, M., Göricke, S., Suchan, B., Timmann, D., Bellebaum, C. (2015). A cerebellar role in performance monitoring: ERP and VBM evidence in cerebellar degenerative disease. Poster, Jahrestagung der Organization for Human Brain Mapping, Honolulu, USA

Peterburs, J., Sandrock, C., Straube, T. (2015). MPFC activation during feedback processing is modulated by feedback source in social anxiety. Poster, Jahrestagung der Organization for Human Brain Mapping, Honolulu, USA

Peterburs, J., Cheng, D.T., Desmond, J.E. (2014). The association between eye movements and cerebellar activation in a verbal working memory task. Poster, Jahrestagung der Society for Neuroscience, Washington DC, USA

Peterburs, J., Suchan, B., Bellebaum, C. (2013). You do the math: Coding of bets and wins in the feedback-related negativity and P300. Poster, Jahrestagung der Society for Neuroscience, San Diego, USA

Peterburs, J., Koch, B., Schwarz, M., Daum, I., Hoffmann, K.-P., Bellebaum, C. (2011). To err or not to err - Differential contributions of the cerebellum and thalamus to error processing in humans. Poster, Jahrestagung der Society for Neuroscience, Washington DC, USA

Peterburs, J., Gajda, K., Koch, B., Schwarz, M., Daum, I., Hoffmann, K.-P., Bellebaum, C. (2011). Altered error processing in patients with focal thalamic lesions. Poster, Jahrestagung der Cognitive Neuroscience Society, San Francisco, USA

Peterburs, J., Bellebaum, C., Koch, B., Schwarz, M., Daum, I. (2010). Deficits of Working Memory and Verbal Fluency following Cerebellar Lesions. Poster, FENS-IBRO Mini-Schule & Workshop 'Looking back at Mount Ararat: Diversity and cross-fertilization among approaches to memory', Eriwan, Armenien

Peterburs, J., Gajda, K., Bellebaum, C., Hoffmann, K.-P., Daum, I. (2010). Updating for Perception: An ERP-study of post-saccadic perceptual localization. Poster, Jahrestagung der Vision Sciences Society, Naples, Florida, USA

Peterburs, J., Jarick, M., Dixon, M. (2009). When Photisms Help and When They Hurt: The Impact of Colour Incongruity on Object Substitution Masking in Grapheme-Colour Synaesthetes. Poster, Jahrestagung der Cognitive Neuroscience Society, San Francisco, USA

Jarick, M., **Peterburs, J.**, Dixon, M. (2008). Reading Between the Masks: Synaesthetic Colours Alleviate Masking in a Grapheme-Colour Synaesthete. Poster, Jahrestagung der Canadian Society for Brain, Behaviour and Cognitive Science, London, Ontario, Canada