

## Prof. Dr. Christine Stelzel

### Publikationen

#### Preprints

- Kontaxi, S., Kuchinke, L., Stürmer, B., & Stelzel, C. (2024). Self-Determination: Effects of Motivational and Affective Processing on Attentional Resource Allocation. *Authorea*. <https://doi.org/10.22541/au.172888403.34830546/v1> (Preprint)
- Mueckstein, M., Hilger, K., Heinzel, S., Granacher, U., Rapp, M. A., & Stelzel, C. (2025). Network Neuroscience of Human Multitasking: Local Features Matter. *bioRxiv*. <https://doi.org/10.1101/2025.04.30.651494> (Preprint)

#### Erst/Letztautorenschaften

- Mueckstein, M., Görgen, K., Heinzel, S., Granacher, U., Rapp, M. A., & Stelzel, C. (2025). Multitasking practice eliminates modality-based interference by separating task representations in sensory brain regions. *The Journal of Neuroscience*, 45(4), e0755242024. <https://doi.org/10.1523/jneurosci.0755-24.2024>
- Mueckstein, M.; Heinzel, S.; Granacher, U.; Brahms, M.; Rapp, M.A. & Stelzel, C. (2022). Modality-specific effects of mental fatigue in multitasking. *Acta Psychologica*, 230. <https://doi.org/10.1016/j.actpsy.2022.103766>
- Brahms, M.; Heinzel, S.; Rapp, M; Mückstein, M.; Hortobágyi, T.; Stelzel, C\*. & Granacher, U.\* (2022). The acute effects of mental fatigue on balance performance in healthy young and older adults – A systematic review and meta-analysis. *Acta Psychologica*, 225. doi: 10.1016/j.actpsy.2022.103540. \* shared senior authorship
- Müller, C. J., Classe, F., Stürmer, B., Kuchinke, L., & Stelzel, C. (2021). Neurocognitive effects of self-determined choice and emotional arousal on time estimation. *Advances in Cognitive Psychology*, 17(2), 161-175. <https://doi.org/10.5709/acp-0326-2>
- Brahms, M., Heinzel, S., Rapp, M., Reisner, V., Wahmkow,G., Rimpel, J., Schauenburg, G., Stelzel, C\*, & Granacher, U\*. (2021). Cognitive-Postural Multitasking Training in Older Adults – Effects of Input- Output Modality Mappings on Cognitive Performance and Postural Control. *Journal of Cognition*, X(X): X, pp. 1–25. DOI: <https://doi.org/10.5334/joc.146> \*shared senior authorship
- Bruening, J., Ludwig, V. U., Paschke, L. M., Walter, H., & Stelzel, C. (2018). Motivational effects on the processing of delayed intentions in the anterior prefrontal cortex. *Neuroimage*, 172, 517-526. doi: 10.1016/j.neuroimage.2018.01.083
- Stelzel, C., Bohle, H., Schauenburg, G., Walter, H., Granacher, U., Rapp, M. A., & Heinzel, S. (2018). Contribution of the Lateral Prefrontal Cortex to Cognitive-Postural Multitasking. *Frontiers in psychology*, 9, 1075. doi: 10.3389/fpsyg.2018.01075
- Stelzel, C\*, Schauenburg, G\*, Rapp, M. A., Heinzel, S., & Granacher, U. (2017). Age-Related Interference between the Selection of Input-Output Modality Mappings and Postural Control-a Pilot Study. *Front Psychol*, 8, 613. doi: 10.3389/fpsyg.2017.00613 \*equal contribution
- Paschke, L. M., Dorfel, D., Steimke, R., Trempler, I., Magrabi, A., Ludwig, V. U., Schubert, T., Stelzel, C.\*, Walter, H.\* (2016). Individual differences in self-reported self-control predict successful emotion regulation. *Soc Cogn Affect Neurosci*, 11(8), 1193-1204. doi: 10.1093/scan/nsw036 \*shared senior authorship
- Sekutowicz, M., Schmack, K., Steimke, R., Paschke, L., Sterzer, P., Walter, H., & Stelzel, C.. (2016). Striatal activation as a neural link between cognitive and perceptual flexibility. *Neuroimage*, 141, 393-398. doi: 10.1016/j.neuroimage.2016.07.046
- Heinzel, S., Lorenz, R. C., Pelz, P., Heinz, A., Walter, H., Kathmann, N., Rapp, M.A.\* , Stelzel, C.\* (2016). Neural correlates of training and transfer effects in working memory in older adults. *NeuroImage*, 134, 236-249. \*shared senior authorship

- Paschke, L.M.\* , Walter, H.\* , Steimke, R., Ludwig, V.U., Gaschler, R., Schubert, T., & Stelzel, C. (2015). Motivation by potential gains and losses affects control processes via different mechanisms in the attentional network. *NeuroImage*, 11, 549-561. \*shared first authorship
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#### Koautorenschaften

- Montag C., Solms, M., Stelzel, C., and Davis, K.L. (2022) The future of the Affective Neuroscience Personality Scales: A reflection on seven pressing matters. *Personality Neuroscience*. Vol 5: e10, 1–6. doi: 10.1017/pen.2022.2
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- Wiers, C.E., Stelzel, C., Gladwin, T.E, Park, S.Q, Pawelczack, S. Steffen, ..., Walter, H.\* , Bermpohl, F.\* (2015). Effects of Cognitive Bias Modification-Training on Neural Alcohol Cue Reactivity in Alcohol-Dependence. *Am J Psychiatry*, 172(4), 335-343.\*shared senior authorship.
- Wiers, C. E., Stelzel, C., Park, S. Q., Gawron, C. K., Ludwig, V. U., Gutwinski, S., . . . , Walter, H.\* , Bermpohl, F. (2014). Neural Correlates of Alcohol-Approach Bias in Alcohol Addiction: the Spirit is Willing but the Flesh is Weak for Spirits. *Neuro- psychopharmacology* 39(3), 688-697. \*shared senior authorship.
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Magrabi, A., Steimke, R., Paschke, L. M., . . . Walter, H. (2014). The suggestible brain: posthypnotic effects on value-based decision-making. *Soc Cogn Affect Neurosci*, 9(9), 1281-1288.

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