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Allgemeine Psychologie und Kognitive Neurowissenschaften  
Charlotte Fresenius Universität, Hamburg

## BERUFSERFAHRUNG

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- **Post-Doc, Charlotte Fresenius Universität, Hamburg**  
*Allgemeine Psychologie und Kognitive Neurowissenschaften* seit 03/2025
- **Post-Doc, Förderungsfonds der Medizinische Fakultät, Universitätsklinikum Hamburg-Eppendorf**  
*Förderprojekt: «The effect of nicotine on threat avoidance behaviour in healthy non-smokers»* 04/2024

## AUSBILDUNG

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- **Dr. rer. biol. hum., Promotion am Universitätsklinikum Hamburg-Eppendorf** *magna cum laude*  
*Thesis: «Nicotine and endocannabinoid plasma levels as risk factors for maladaptive fear learning»* 09/2023
- **M.Sc., Kognitive und Integrative Systemneurowissenschaften an der Philipps-Universität Marburg**  
*Thesis: «Neurophysiological dynamics of human fear conditioning and extinction: An EEG pilot study»* 10/2018
- **B.Sc., Biologie an der Philipps-Universität Marburg**  
*Thesis: «Farbinjektionen in den Zentralkomplex der Honigbiene (Apis mellifera)»* 06/2016
- **Abitur an der Marienschule Hildesheim** 06/2011

## WISSENSCHAFTLICHE VERÖFFENTLICHUNGEN

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Mueller, M., Korn, C., & Haaker, J. (2025). The effect of nicotine on threat avoidance behaviour in healthy non-smokers. *Psychopharmacology*, 1-11.

Cohen, O., Skversky-Blocq, Y., Mueller, M., Haaker, J., & Shechner, T. (2024). Downstream Effects of Observational Threat Learning: Generalization and Reversal Learning across Development. *Behaviour Research and Therapy*, 104670.

Mueller, M., Fadai, T., Rauh, J., & Haaker, J. (2024). Nicotine reduces discrimination between threat and safety in the hippocampus, nucleus accumbens and amygdala. *Translational Psychiatry*, 14, 319

Mueller, M., Cohen, O., Shechner, T., & Haaker, J. (2024). Observational threat learning influences costly avoidance behaviour in healthy humans. *Scientific reports*, 14 (1), 17346

Mueller, M., Weisser, S., Rauh, J., & Haaker, J. (2022). Smokers show increased fear responses towards safety signals during fear generalization, independent from acute smoking. *Scientific reports*, 12(1), 1-10.

Weisser, S.\*, Mueller, M.\*, Rauh, J., Esser, R., Fuss, J., Lutz, B., & Haaker, J. (2022) (\*shared authorship). Acquisition of threat responses are associated with elevated plasma concentration of endocannabinoids in male humans. *Neuropsychopharmacology*, 1-8.

Sperl, M. F., Wroblewski, A., Mueller, M., Straube, B., & Mueller, E. M. (2021). Learning dynamics of electrophysiological brain signals during human fear conditioning. *Neuroimage*, 226, 117569.

## BEITRÄGE AUF WISSENSCHAFTLICHEN KONFERENZEN

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- **European Meeting on Human Fear Conditioning** *Poster*  
*«Nicotine reduces discrimination between threat and safety by reduction of hippocampal activations»* 05/2023
- **European Meeting on Human Fear Conditioning** *Pitch*  
*«The effect of nicotine on extinction training in humans»* 05/2022
- **European Meeting on Human Fear Conditioning** *Vortrag*  
*«Weaker discrimination in threat learning and impaired extinction learning in smokers»* 05/2021
- **SFB TRR58 Ph.D. Students Symposium** *Vortrag*  
*«The effect of nicotine on fear learning in humans - approaches to a contextual paradigm»* 09/2019

## SONSTIGES

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- studentische Hilfskraft**

*Unterstützung der Lehrveranstaltungen in der Tierphysiologie, Philipps-Universität Marburg*

2014-2016

- studentische Hilfskraft**

*Labortierpflege Gelbfiebermücke (Aedes Aegypti) in der Tierphysiologie, Philipps-Universität Marburg*

2015-2016