

# Marvin S. Meiering

*Curriculum Vitae*

## Contact Information

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Kurfürstenstr. 73  
12105 Berlin  
Germany  
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## Education

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- 2021 - current      **Ph.D. student in Psychology**  
MSB Medical School Berlin, Germany  
Free University Berlin, Germany  
Subject: *Rumination in the Context of the Research Domain Criteria*  
Advisors: Felix Blankenburg Ph.D., Simone Grimm, Ph.D., and Sören Enge, Ph.D.
- 2019 - 2021      **M.Sc. Clinical Psychology**  
MSB Medical School Berlin, Germany  
Master Thesis: *Effects of ketamine on resting-state networks: Association of functional connectivity and dissociation*  
Advisors: Simone Grimm, Ph.D. and Matti Gärtner, Ph.D.
- 2016 - 2019      **B.Sc. Psychology**  
MSB Medical School Berlin, Germany  
Bachelor Thesis: *Effects of social support on stress reactivity*  
Advisors: Simone Grimm, Ph.D. and Sören Enge, Ph.D.

## Academic Positions

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- 2021 - current      **Ph.D. Scholarship Holder**  
MSB Medical School Berlin, Germany  
Advisors: Simone Grimm, Ph.D. and Sören Enge, Ph.D.
- 2020 - 2021      **Research Assistant**  
MSB Medical School Berlin, Germany  
Supervisor: Simone Grimm, Ph.D.

## Peer-Reviewed Publications

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Meiering, M. S., Weigner, D., Gärtner, M., Schäfer, T., & Grimm, S. (2022). Does route of administration affect antidepressant efficacy of ketamine? A meta-analysis of double-blind randomized controlled trials comparing intravenous and intranasal

administration. *Journal of Psychiatric Research*, 156, 639–646. <https://doi.org/10.1016/j.jpsychires.2022.10.062>

Gärtner, M., Weigand, A., Keicher, C., **Meiering, M. S.**, Weigner, D., Carstens, L., Hertrampf, R., Beckmann, C., Mennes, M., Wunder, A., & Grimm, S. (2023). Modulatory effects of ketamine and lamotrigine on cognition: Emotion interaction in the brain. *Neuropsychobiology*, 82 (2), 91-103. <https://doi.org/10.1159/000528315>.

Gärtner, M., Weigand, A., **Meiering, M. S.**, Weigner, D., Carstens, L., Keicher, C., Hertrampf, R., Beckmann, C., Mennes, M., Wunder, A., & Grimm, S. (2023). Region and time specific effects of ketamine on cerebral blood flow: a randomized controlled trial. *Neuropsychopharmacology*. <https://doi.org/10.1038/s41386-023-01605-4>

**Meiering, M. S.**, Weigner, D., Enge, S., & Grimm, S. (2023). Transdiagnostic phenomena of psychopathology in the context of the RDoC: Protocol of a multimodal cross-sectional study. *BMC Psychology*, 11, 297. <http://dx.doi.org/10.1186/s40359-023-01335-8>

Carstens, L., Popp, M., Keicher, C., Hertrampf, R., Weigner, D., **Meiering, M. S.**, Treadway, M., Luippold, G., Süssmuth, S. D., Beckmann, C., Wunder, A., & Grimm, S. (2023). Effects of a single dose of amisulpride on functional brain changes during reward- and motivation-related processing using task-based fMRI in healthy subjects and patients with major depressive disorder – study protocol for a randomized clinical trial. *Trials*, 24, 761. <http://dx.doi.org/10.1186/s13063-023-07788-x>

## Manuscripts Under Review

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Gärtner, M., Weigand, A., **Meiering, M. S.**, Weigner, D., Carstens, L., Keicher, C., Hertrampf, R., Beckmann, C., Mennes, M., Wunder, A., & Grimm, S. (2024). Negative Emotionality shapes the modulatory effects of Ketamine and Lamotrigine in Subregions of the Anterior Cingulate Cortex. *Translational Psychiatry*. Manuscript under review.

**Meiering, M. S.**, Gärtner, M., Weigner, D., Carstens, L., Keicher, C., Hertrampf, R., Beckmann, C., Mennes, M., Wunder, A., Grimm, S., & Weigand, A. (2024). *Investigating modulatory effects of ketamine and lamotrigine on negative emotional processing in the brain*. Manuscript in preparation. *Translational Psychiatry*. Manuscript under review.

## Manuscripts In Preparation

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Weigner, D., Gärtner, M., **Meiering, M. S.**, Carstens, L., Keicher, C., Hertrampf, R., Beckmann, C., Mennes, M., Wunder, A., Weigand, A., & Grimm, S. (2023). *Alterations of functional connectivity during and after ketamine application and modulation by lamotrigine*. Manuscript in preparation. To be submitted in *Neuropsychopharmacology*.

**Meiering, M. S.,** Weigner, D., Enge, S., & Grimm, S. (2024). *Differential effects of Rumination and Worry on DMN function: a cross-sectional fMRI study*. Manuscript in preparation. To be submitted in *International Journal of Clinical and Health Psychology*.

## Conferences

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**Meiering, M. S.,** Weigand, A., Gärtner, M., Weigner, D., Keicher, C. & Grimm, S. (April, 2022). *Effects of ketamine on resting-state networks: Association between functional connectivity and dissociative states*. Poster presented virtually at the KETAMINE & RELATED COMPOUNDS 2022, Oxford, UK.

**Meiering, M. S.,** Weigner, D., Enge, S., & Grimm, S. (June, 2023). *Interaktion von Negativer Affektivität und Rumination: Studienprotokoll einer multimodalen Untersuchung transdiagnostischer Risikofaktoren*. Poster presented at the PSYCHOLOGIE & GEHIRN 2023, Tübingen, Germany.

Weigner, D., **Meiering, M. S.,** Enge, Grimm, S. & Enge, S. (June, 2023). *Studienprotokoll: Eine multimodale Untersuchung des Negativitätsbias*. Poster presented at the PSYCHOLOGIE & GEHIRN, Tübingen, Germany.

**Meiering, M. S.,** Weigner, D., Gärtner, M., Carstens, L., Keicher, C., Hertrampf, R., Beckmann, C. F., Mennes, M., Wunder, A., Weigand, A. & Grimm, S. (October, 2023). *Effects of ketamine and lamotrigine on negative emotional processing in the brain: a double-blind randomized controlled neuroimaging trial*. Poster presented at the 36<sup>th</sup> ECNP CONGRESS, Barcelona, Spain. <http://dx.doi.org/10.1016/j.nsa.2023.103354>.

## Research Skills

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- Neuroimaging training: *Donders Advanced (f)MRI Tool-kit*, September 26<sup>th</sup> to 30<sup>th</sup> 2022, Donders Center for Cognitive Neuroimaging, Nijmegen, The Netherlands
- Task-based neuroimaging analyses with FSL
- Functional connectivity analyses with FSL and the CONN toolbox
- Advanced User status at the *Berlin Center of Advanced Neuroimaging* and the *Center for Cognitive Neuroscience Berlin* (certified to independently operate the MRI equipment at these sites)
- Python
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## Honors and Awards

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| 2021 | Valedictorian of the master's degree program "Clinical Psychology" in 2021, MSB Medical School Berlin, Germany  |
| 2023 | ECNP Excellence Award at the 36 <sup>th</sup> European College of Neuropsychopharmacology Congress, Barcelona, Spain for the Poster "Effects of ketamine and lamotrigine on |

negative emotional processing in the brain: a double-blind randomized controlled neuroimaging trial”

- 2023 Award for an excellent abstract of an independent talk at the 2023 DGPPN (German society of psychiatry and psychotherapy, psychosomatics and neurology) Congress, Berlin, Germany for the talk „Effekte von Ketamin und Lamotrigin auf die emotionale Informationsverarbeitung: Ergebnisse einer randomisiert-kontrollierten fMRT-Studie“