



## PROFESSIONAL EXPERIENCE

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- Current** Postdoctoral Researcher, SLEEP AND COGNITION GROUP, Netherlands Institute for Neuroscience  
03/2020 > Investigating associations between insomnia, hyperarousal and anxiety with Eus van Someren.
- 12/2021 Maternity Leave  
05/2022
- 02/2020 PhD Student, DEPARTMENT OF CLINICAL PSYCHOLOGY, University of Würzburg  
04/2016 > My work focused on the neural and behavioral correlates of social attention and their role in social anxiety under the supervision of Matthias Gamer.
- 10/2019 PhD Exchange and Research Assistant, DEPARTMENT OF PSYCHOLOGY, University of Cambridge  
02/2019 > I investigated sensory representations (auditory maps) in the brain in wakefulness versus sleep under supervision of Anat Arzi and Tristan Bekinschtein.

## EDUCATION

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- 2020 PhD in Psychology, University of Würzburg, *Summa Cum Laude*
- 2013 – 2015 Master of Science, Neuroscience and Cognition, Utrecht University, *Cum Laude*
- 2010 – 2013 Bachelor of Liberal Arts, Philosophy and Cognitive Neurosciences, University College Utrecht, *Magna Cum Laude*

## PUBLICATIONS

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- 2022 **Rösler, L.**, van der Lande, G., ... van Someren, E.J.W. Actigraphy in insomnia: Worth the effort? *Journal of Sleep Research*.
- 2022 **Rösler, L.**, van der Lande, G., ... van Someren, E.J.W. Combining cardiac monitoring with actigraphy aids nocturnal arousal detection during ambulatory sleep assessment in insomnia. *Sleep*.
- 2021 Barnes-Scheufler, C.V., Passow, C., **Rösler, L.**, ... Bittner, R. Transdiagnostic comparison of visual working memory capacity in bipolar disorder and schizophrenia. *International Journal of Bipolar Disorders*.
- 2020 Kocevskaja, D., Blanken, T., van Someren, E.J.W. & **Rösler, L.** Sleep quality during the COVID-19 pandemic: Not one size fits all. *Sleep Medicine*
- 2020 **Rösler, L.**, Göhring, S., Strunz, M. & Gamer, M. Social anxiety is associated with heart rate but not gaze in a real social interaction. *Journal of Behavior Therapy and Experimental Psychiatry*
- 2019 **Rösler, L.**, Rubo, M. & Gamer, M. Artificial faces predict gaze allocation in complex scenes. *Frontiers in Psychology*.
- 2019 **Rösler, L.** & Gamer, M. . Freezing of gaze during action preparation under threat imminence. *Scientific Reports*.
- 2019 Yao, B., Neggers, S.F.W., Rolfs, M., **Rösler, L.**, ... & Thakkar, K.N. Structural thalamo-frontal hypoconnectivity is related to oculomotor corollary discharge dysfunction in schizophrenia. *Journal of Neuroscience*.
- 2018 Flechsenhar\*, A., **Rösler\***, L. & Gamer, M. Investigating the dynamics of social attention with a gaze-contingent display and recurrence quantification analysis. *Scientific Reports*. \*Equal contribution
- 2017 **Rösler, L.**, End, A., & Gamer, M. Orienting towards social features in naturalistic scenes is reflexive. *PloS ONE*.
- 2017 Thakkar, K.N., **Rösler, L.**, ... & Neggers, S.F.W. 7T proton magnetic resonance spectroscopy of GABA, glutamate, and glutamine reveals altered concentrations in schizophrenia patients and healthy siblings. *Biological Psychiatry*.
- 2015 **Rösler, L.**, Rolfs, M., Van der Stigchel, S., Neggers, S. F.W., Cahn, W., Kahn, R. S., & Thakkar, K. N.. Failure to use corollary discharge to remap visual target locations is associated with psychotic symptom severity in schizophrenia. *Journal of Neurophysiology*.

## SUBMITTED PUBLICATIONS

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- Under Review Cox, R., **Rösler, L.** ... & van Someren, E.J.W. The first night effect and the consistency of short sleep in insomnia disorder. *Journal of Sleep Research*.
- Under Review Leerssen, J., Aghajanic, M., Bresser, T., **Rösler, L.** ... & van Someren, E.J.W. Cognitive, behavioral and circadian rhythm interventions for insomnia alter emotional brain responses. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
- Under Review Roberts, D., **Rösler, L.**, Wijnen, J.P. & Thakkar, K.N. Associations between N-Acetylaspartate and white matter integrity in individuals with schizophrenia and unaffected relatives *Psychiatry Research*.

## GRANTS, HONORS AND AWARDS

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- 2022 Research Grant, Bial Foundation, "Uncovering the Dynamics of Hyperarousal and Restless Sleep" (Role : PI, € 55.000)
- 2022 Childcare Support Grant, Sleep Europe (ESRS) Congress
- 2019 Poster Award, World Association for Stress Related and Anxiety Disorders (WASAD) Congress
- 2017 Neuroscience Research Award, Graduate School of Life Sciences, Würzburg
- 2017 Travel Grant from the Graduate School of Life Sciences Würzburg travel award to attend the Statistical Parametric Mapping (SPM) workshop, London
- 2016 Travel Grant from the University Hospital Frankfurt to attend the Schizophrenia International Research Society Conference, Florence
- 2014-2015 U/Select Honors Program, Utrecht University

## CONFERENCE CONTRIBUTIONS & INVITED TALKS

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- 2022 **Rösler, L.** Sleep & Mental Well-being. *Invited Talk, Topics in Translational Neuroscience Workshop, School for Mental Health and Neuroscience, Maastricht, NL.*
- 2022 **Rösler, L.** & Van der Wal, Sanne. Beter Slapen : Do's and Don'ts. *Workshop, KNAW Inspiratiedag, Amsterdam, NL.*
- 2022 **Rösler, L.** & van Someren, E. Actigraphy in insomnia: Worth the effort? *Poster presented at ESRS Congress, Athens, Greece.*
- 2021 **Rösler, L.** & van Someren, E. Actigraphy in insomnia: is it really worth the effort? *Talk presented at SLAAP2021 Congress, Virtual.*
- 2019 **Rösler, L.** & Gamer, M. Freezing of gaze supports action preparation under threat imminence. *Poster presented at WASAD Congress, Würzburg, Germany.*
- 2018 **Rösler, L.** & Gamer, M. Early visual cortex and amygdala activity is modulated by reflexive social attention. *Poster presented at Gentner Symposium "Understanding Others: From Psychological Concepts to Neural Mechanisms", Jerusalem, Israel.*
- 2018 **Rösler, L.** & Gamer, M. The influence of social anxiety on a real-life social interaction. *Talk presented at Science Conference of Zentrum für Psychische Gesundheit, Würzburg, Germany.*
- 2018 **Rösler, L.** & Gamer, M. Behavioral and neural mechanisms of reflexive social attention. *Talk presented at Psychologie und Gehirn Conference, Giessen, Germany.*
- 2018 **Rösler, L.** & Gamer, M. Neural mechanisms of reflexive social attention : a combined eye-tracking and fMRI study. *Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, Boston, United States.*
- 2017 **Rösler, L.**, End, A., & Gamer, M. Orienting towards social features in naturalistic scenes is reflexive. *Poster presented at the International Conference for Cognitive Neuroscience, Amsterdam, The Netherlands.*
- 2016 **Rösler, L.**, Thakkar, K.N., ... & Neggers, S.F.W. Altered Glutamine, Glutamate and GABA Levels in Schizophrenia Patients and Their Healthy First-Degree Relatives : A 1H-MRS Study at 7T. *Talk presented at the biennial meeting of the Schizophrenia International Research Society, Florence, Italy.*

## TEACHING AND MENTORING

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- 2019 **Clinical Psychology Seminar, BACHELOR OF PSYCHOLOGY, University of Würzburg**  
‣ Discussing emotional disorders in depth with a focus on network theory
- 2019 **Biopsychology Seminar, BACHELOR OF PSYCHOLOGY, University of Würzburg**  
2016 ‣ Teaching biopsychological methods in a seminar setting  
‣ Acquainting students with the study of scientific literature
- 2018 **Biopsychology Lecture, BACHELOR OF PSYCHOLOGY, University of Würzburg**  
‣ Two lectures on functional magnetic resonance imaging physics, analyses and applications

2019 **Thesis Supervision, B.Sc. AND M.Sc., University of Würzburg**

- 2016
- > Sandrine Michelberger, Master thesis: Does social anxiety modulate social attention? An eye-tracking study.
  - > Teresa Wörsdörfer, Master thesis: The neural correlates of social attention.
  - > Stefan Göring, Master thesis: The influence of social anxiety on gaze during a real social interaction.
  - > Michael Strunz, Master thesis: How social anxiety influence a real social interaction - An eye-tracking and psychophysiology study.
  - > Julia Jochim, Bachelor thesis: The influence of fear on visual attention.
  - > Alexandra Vogt, Bachelor thesis: Intraindividual stability of visual exploration patterns - from the lab to the real life.

## </> LANGUAGES

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German ● ● ● ● ●  
English ● ● ● ● ●  
Dutch ● ● ● ● ●

## + PROGRAMMING

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- > R
- > Python
- > Matlab

## “ REFERENCES

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