Lara Rösler

- Anna Maria van Schurmanstraat 2, 3521 XC Utrecht, The Netherlands i German

PROFESSIONAL EXPERIENCE

Current	Postdoctoral Researcher, SLEEF	P AND COGNITION	GROUP, Netherla	ands Instit	ute for Neuroscience	
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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

> I investigated sensory representations (auditory maps) in the brain in wakefulness versus sleep un-02/2019 der supervision of Anat Arzi and Tristan Bekinschtein.

EDUCATION

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

- 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.
- Barnes-Scheufler, C.V., Passow, C., Rösler, L., ... Bittner, R. Transdiagnostic comparison of visual working 2021 memory capacity in bipolar disorder and schizophrenia. International Journal of Bipolar Disorders.
- 2020 Kocevska, 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 Re-
- 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 gazecontingent display and recurrence quantification analysis. Scientific Reports. *Equal contribution
- 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.
- 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

Under Review Cox, R., **Rösler, L.** ... & van Someren, E.J.W. The first night effect and the consistency of short sleep in insom-

nia disorder. Journal of Sleep Research.

Under Review Leerssen, J., Aghajanic, M., Bresser, T., Rösler, L. ... & van Someren, E.J.W. Cognitive, behavioral and circa-

dian 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 mat-

ter integrity in individuals with schizophrenia and unaffected relatives Psychiatry Research.

F GRANTS, HONORS AND AWARDS

- 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

- 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, NI*
- 2022 **Rösler, L.** & van Someren, E. Actigraphy in insomnia: Worth the effort? *Poster presented at ESRS Congress, Athens, Greece.*
- 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

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 eyetracking 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



- **>** R
- > Python
- > Matlab



Prof. Dr. Matthias Gamer

German • (

English

Dutch

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