

PROFESSIONAL EXPERIENCE

- Current** | **Postdoctoral Researcher, SLEEP AND COGNITION GROUP, Netherlands Institute for Neuroscience**
03/2020 > Investigating which mechanisms of insomnia are linked to anxiety and depression vulnerability.
fMRI EEG Psychophysiology Matlab R
- 02/2020 | **PhD Student, DEPARTMENT OF PSYCHOLOGY, University of Würzburg**
04/2016 > Investigating the neural and behavioral correlates of social attention under the supervision of Prof. Dr. Matthias Gamer.
Eye-Tracking fMRI MVPA GLMM Matlab R
- 10/2019 | **PhD Exchange and Research Assistant, DEPARTMENT OF PSYCHOLOGY, University of Cambridge**
02/2019 > Investigating dissimilarities of tonotopic auditory maps in wakefulness versus sleep under supervision of Dr. Anat Arzi and Prof. Dr. Tristan Bekinschtein.
fMRI EEG Decoding Analyses fmripred BIDS Linux
- 04/2016 | **Research Assistant, BRAIN IMAGING CENTER, University Hospital Frankfurt am Main**
10/2015 > Investigating the neurophysiological underpinnings of attention and working memory dysfunction in patients with schizophrenia and patients with bipolar disorder
fMRI Matlab
- 01/2015 | **Research Assistant, 7-TESLA-MRI FLOW-MANAGER, PSYCHIATRY, University Hospital Utrecht**
07/2014 > Planning, execution and supervision of all scans at the 7Tesla MRI scanner.
- 12/2014 | **Research Intern, STAR LAB, BRAIN CENTER RUDOLF MAGNUS, Utrecht**
01/2014 > Investigating behavioral, structural, and metabolic correlates of agency dysfunction in schizophrenia under the supervision of Prof. Dr. Bas Neggers and Dr. Katharine Thakkar.
1H-MRS Eye-Tracking Matlab

PUBLICATIONS

- 2020 Kocavska, D., Blanken, T., van Someren, E. & 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* <https://doi.org/10.1016/j.jbtep.2020.101600>
- 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*. Preprint available from : <https://psyarxiv.com/a2pfh/>
- 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*. *Both authors contributed equally.
- 2017 Rösler, L., End, A., & Gamer, M. Orienting towards social features in naturalistic scenes is reflexive. *PLoS ONE*.
- 2017 Thakkar, K.N., Rösler, L., Wijnen, J.P., Boer, V.O., Klomp, D.W.O., Cahn, W., Kahn, R.S. & 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*.

EDUCATION

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

CONFERENCE CONTRIBUTIONS

- 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., Wijnen, J.P., Boer, V.O., Klomp, D.J.W., Cahn, W., Kahn, R.S. & 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
- June 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.

HONORS AND AWARDS

- 2019 Poster Award, World Association for Stress Related and Anxiety Disorders (WASAD) Congress 2019
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

</> LANGUAGES

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

+ PROGRAMMING

- › Matlab
- › R
- › Neurobehavioral Systems Presentation
- › Bash
- › Python