

## PROFESSIONAL EXPERIENCE

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

In Prep	Rösler, L. & Gamer, M. Early visual cortex and amygdala activity is modulated by reflexive social attention.
Under Review	Rösler, L., Göhring, S., Strunz, M. & Gamer, M. Social anxiety is associated with heart rate but not gaze in a real social interaction. <i>Psychiatry Research</i> . Preprint available from : <a href="https://psyarxiv.com/gps3h/">https://psyarxiv.com/gps3h/</a>
2019	Rösler, L., Rubo, M. & Gamer, M. Artificial faces predict gaze allocation in complex scenes. <i>Frontiers in Psychology</i> .
2019	Rösler, L. & Gamer, M. . Freezing of gaze during action preparation under threat imminence. <i>Scientific Reports</i> . Preprint available from : <a href="https://psyarxiv.com/a2pfh/">https://psyarxiv.com/a2pfh/</a>
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. <i>Journal of Neuroscience</i> .
2018	Flechschar*, A., Rösler*, L. & Gamer, M. Investigating the dynamics of social attention with a gaze-contingent display and recurrence quantification analysis. <i>Scientific Reports</i> . *Both authors contributed equally.
2017	Rösler, L., End, A., & Gamer, M. Orienting towards social features in naturalistic scenes is reflexive. <i>PloS ONE</i> .
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. <i>Biological Psychiatry</i> .
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. <i>Journal of Neurophysiology</i> .

## EDUCATION

---

- 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         | <b>Clinical Psychology Seminar, BACHELOR OF PSYCHOLOGY, University of Würzburg</b> <ul style="list-style-type: none"><li>➢ Discussing emotional disorders in depth with a focus on network theory</li></ul>  |
| 2019<br>2016 | <b>Biopsychology Seminar, BACHELOR OF PSYCHOLOGY, University of Würzburg</b> <ul style="list-style-type: none"><li>➢ Teaching biopsychological methods in a seminar setting</li><li>➢ Acquainting students with the study of scientific literature</li></ul>   |
| June 2018    | <b>Biopsychology Lecture, BACHELOR OF PSYCHOLOGY, University of Würzburg</b> <ul style="list-style-type: none"><li>➢ Two lectures on functional magnetic resonance imaging physics, analyses and applications</li></ul>  |
| 2019<br>2016 | <b>Thesis Supervision, B.Sc. AND M.Sc., University of Würzburg</b> <ul style="list-style-type: none"><li>➢ Sandrine Michelberger, Master thesis : Does social anxiety modulate social attention? An eye-tracking study.</li><li>➢ Teresa Wörsdörfer, Master thesis : The neural correlates of social attention.</li><li>➢ Stefan Göring, Master thesis : The influence of social anxiety on gaze during a real social interaction.</li><li>➢ Michael Strunz, Master thesis : How social anxiety influence a real social interaction - An eye-tracking and psychophysiology study.</li><li>➢ Julia Jochim, Bachelor thesis : The influence of fear on visual attention.</li><li>➢ Alexandra Vogt, Bachelor thesis : Intraindividual stability of visual exploration patterns - from the lab to the real life.</li></ul> |



## 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