

Curriculum Vitae | Rebecca Lutz

PERSONAL INFORMATION

Nationality Austrian
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RESEARCH INTERESTS

Empathy • Prosocial behavior • Pain processing • Placebo/Nocebo effect • Neuroimaging

EDUCATION

10/2023 – present **PhD Candidate in Clinical Neuroscience (Dr. rer. medic)**
Bingellab - Translational Pain Research Unit, University Hospital Essen (Germany)
Supervisors: Prof Ulrike Bingel, Dr Helena Hartmann, Dr Katharina Schmidt
Working title: “The influence of pain on affective and cognitive processes and behavior”

01/2021 – 09/2023 **MSc in Psychology**
University of Vienna (Austria)
Supervisors: Prof Stefanie Höhl, Markus Tünte MSc
Thesis: “Empathic concern and prosocial behavior in 18-month-old toddlers”

10/2017 - 01/2021 **BSc in Psychology**
University of Vienna (Austria)
Thesis: “Metacognitive Strategies: Effects of the Supervised Orientation Tutorial on the Metacognitive Strategies of Students.”

RESEARCH EXPERIENCE

10/2023 – present **PhD Candidate**
Bingellab - Translational Pain Research Unit, University Hospital Essen (Germany)

- Currently planning multiple projects, all with the aim to investigate how pain and expectations influence affective and cognitive processes and behaviors both on the behavioral and neuronal level
- Supervisors: Prof Ulrike Bingel, Dr Helena Hartmann, Dr Katharina Schmidt

05/2023 – 09/2023 **Student research assistant &**
04/2022 – 04/2023 **Research intern**
SCAN-Unit, Department of Cognition, Emotion, and Methods in Psychology, University of Vienna (Austria)

- Assisting in the research project: op:cog22 - “Investigating the role of opioids in social cognition”
- Collecting data using various methods (Opioids, Constant current stimulator, ECG, Dynamometer)

- Conducting psychological health screenings using the M.I.N.I German Version 5.0.0 (Mini international neuropsychiatric interview) and CTQ (Childhood trauma questionnaire)
- Recruiting for and organizing of testing's
- Training of new master students and interns
- Supervisors: Prof Claus Lamm, Dr Markus Rütgen, Julia Braunstein MSc

05/2022 – 09/2023

Student research assistant &

12/2021 – 09/2023

MSc project &

10/2021 – 04/2022

Research intern

Children's Studies in Vienna, Department of Developmental Psychology, University of Vienna (Austria)

As student research assistant:

- Assisting in the research project: "Laughing Together. The Influence of laughter on cooperation in the context of bio-behavioural synchrony"
- Collecting data using various neuroscientific methods (fNIRS, ECG)
- Tech trouble shooting (fNIRS and other technical equipment)
- Recruiting for and organizing of testings
- Training of new interns and master students writing their master thesis
- Coding of laughter (ELAN)
- Supervisors: Prof Stefanie Höhl, Dr Carolina Pletti, Verena Schäfer MSc

For MSc project:

- Master's thesis in the project: "InteroSens – Interoceptive sensitivity and social development in infancy"
- Collecting, micro-/coding, analyzing of data and writing of masters thesis
- Thesis: "Empathic concern and prosocial behavior in 18-month-old toddlers"
- Supervisors: Prof Stefanie Höhl, Markus Tünte MSc

As research intern:

- Assisting in the research projects: "InteroSens – Interoceptive sensitivity and social development in infancy" and „EiToM – Emotional implicit theory of mind and interoception“
- Conducting literature research
- Formulating experimental paradigms on social cognitive skills
- Collecting data using various neuroscientific methods (fNIRS, ECG, Eyetracking)
- Analyzing physiological data (ECG)
- Programming experiments using OpenSesame (Python)
- Writing a Preregistration
- Supervisors: Prof Stefanie Höhl, Markus Tünte MSc

ADDITIONAL RESEARCH EXPERIENCE

- 09/2022 – 01/2023 **Research intern**
Comparative Canine Neuroimaging Unit, University of Vienna (Austria)
- Preparation of scanner and training equipment for canine MRI data acquisition and training
 - Assisting with MRI data collection and training with dogs
 - Training of new interns
 - Supervisors: Prof Ludwig Huber, Prof Claus Lamm
- 07/2022 **Student assistant**
ESCAN 2022 in Vienna, European Society for Cognitive and Affective Neuroscience (Austria)
- Assisting at the conference and the social events
 - Technical help/trouble shooting during keynotes, symposia and oral presentations
 - Local organizers: Assoc Prof Giorgia Silani, Prof Claus Lamm

TEACHING EXPERIENCE

- 14-15/02/2024 **Seminar** “Grundlagen experimenteller Forschung am Beispiel Schmerz”
Medical Faculty, University of Duisburg-Essen (Germany)
- Assisting other members of the Bingel team in a seminar
 - Teaching medical students about research, specifically pain research and how pain can be measured
- 2020 – 2021 **Student Tutor**
Faculty of Psychology, Department of Developmental and Educational Psychology, University of Vienna (Austria)
- Course: “Supervised Orientation Tutorium”
 - Conducting one in-person and three online seminar sessions
 - Teaching 8 first-year undergraduate psychology students various study-relevant core competencies (e.g., time and learning management) as well as techniques for reading scientific literature
 - Supervisors: Dr Birgit Leidenfrost, Dr Dorothea König

SCIENCE COMMUNICATION

- 25/04/2024 **Girls & Boys Day 2024** “Was man als Wissenschaftler*In so macht & warum nicht nur Ärzt*Innen sich mit Schmerz beschäftigen”
Bingellab - Translational Pain Research Unit, University Hospital Essen (Germany)
- Planning and leading a workshop to give 12-16 year-old teenagers insights into the work of a (neuro-)scientist as part of the University of Duisburg-Essen’s yearly Girls & Boys Day
- 21/02/2024 **Workshop** “Was mein Gehirn alles kann”
Junior-Uni Essen (Germany)
- Assisting Dr Helena Hartmann with a workshop for 8–10-year-old children

ACADEMIC SCHOLARSHIPS

2024	Scholarship for excellent academic achievements, University of Vienna, Austria (1.301€)
2023	Scholarship for excellent academic achievements, University of Vienna, Austria (750€)

POSTER PRESENTATIONS

Tünte, M., Jordan, G., **Lutz, R.**, & Höhl, S. (2023, March 23). *Using micro-coding to investigate temporal dynamics of empathic concern in 18-month-old infants* [Poster Presentation]. SRCD 2023 Biennial Meeting, Salt Lake City, Utah, USA

Lutz, R., Tünte, M., & Höhl, S. (2023, February 03). *Empathic concern and prosocial behavior in 18-month-old toddlers* [Poster Presentation]. CoBeNe Academy Conference 2023, Vienna, Austria

RELEVANT SKILLS

Software:	very good skills in MS Office advanced skills in Interact, OpenSesame, SoSci Survey, SPSS, JASP, R, ELAN, Matlab basic skills in PsychoPy
Programming:	Python for fMRI data (pre-)processing, statistical analysis, programming tasks MATLAB for fNIRS data preprocessing, EEG data preprocessing, programming tasks
Research experience:	fNIRS, fMRI, EEG, Eyetracking (EyeLink 1000), ECG, Opioids, Placebos/Nocebos, Thermal heat stimulator, Constant current stimulator (Digitimer DS5), Dynamometer, Respiration Belt
Languages:	German (first language), English (C2), French (A2)