

# CURRICULUM VITAE | Olaf Borghi

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CV last updated: March 2024

## EDUCATION

### Since Sep. 23 **PhD Candidate in *Psychology* | Royal Holloway, University of London**

Supervisors: Prof. Manos Tsakiris; Dr. Kaat Smets

PhD Student in the MSCA Doctoral Network: "IP-PAD (Interdisciplinary Perspectives on the Politics of Adolescence & Democracy)"

► Project working title: "Investigating the effects of cognitive and affective developments on ideological thinking in adolescence". This is an interdisciplinary research project situated at the intersection of the fields of social and computational neuroscience, developmental psychology, and political science, with the goal to investigate the cognitive, neural, and psychological mechanisms that contribute to the development of ideological, evidence-resistant, and dogmatic thinking.

### Jul. 23 **M.Sc. in *Psychology* | University of Vienna (with distinction / summa cum laude)**

Track: Social Neuroscience, Cognitive Psychology and Research Methods

Supervisors: Dr. Magdalena Boch; Prof. Claus Lamm

Thesis: *Modulation of the Action Observation Network: Investigating Action, Agent and Observer Factors in an fMRI Study*

► Conduction of an fMRI study investigating shared activation during action observation and execution (i.e., the action observation network) in human participants as well as several factors influencing the activation of this system; development of a reusable pre-processing and analysis workflow.

### Jul. 21 **B.Sc. in *Psychology* | University of Vienna (with distinction / summa cum laude)**

Supervisor: Dr. Ulrich Tran

Thesis: *A Novel Approach to the Relationship between Mindfulness and Empathy*

► Conduction of a pre-registered empirical study using online questionnaire data from 552 adults from the general population to investigate the relationship between mindfulness, emotion regulation strategies and empathy with structural equation modelling.

## RESEARCH EXPERIENCE

### Since Sep. 23 **Early Career Fellow | Royal Holloway, University of London**

*Department of Psychology*

### 2021-223 **Student Research Assistant | University of Vienna**

*Faculty of Psychology, Department for Cognition, Emotion, and Methods in Psychology*

*Social Cognitive and Affective Neuroscience Unit of Prof. Claus Lamm*

► MRI data collection in canine and human participants, eye-tracking data collection in humans, manual segmentation of dog brain images, intern management, and organizational assistance.

**2022-2023**

**Research Internship I University of Vienna**

*Faculty of Psychology, Department for Cognition, Emotion, and Methods in Psychology*

*Research Methods in Psychology, Dr. Ulrich Tran*

► Preparation of a study investigating the longitudinal relationship of everyday mindfulness and perceived stress using daily-diary data from a sample of over 1000 participants from the general population with random-intercept cross-lagged panel models.

**2020**

**Research Internship I University of Vienna**

*Faculty of Psychology, Department for Cognition, Emotion, and Methods in Psychology*

*Social Cognitive and Affective Neuroscience Unit of Prof. Claus Lamm*

► Assistance in MRI data acquisition in dogs, systematic documentation of the dog training process, assistance in dog handling

## TEACHING EXPERIENCE

**2022-2023**

**Student Teaching Assistant I University of Vienna**

*Faculty of Psychology, Department for Cognition, Emotion, and Methods in Psychology*

Courses (Summer-terms): *Statistik 1* (Prof. Frank Scharnowski; English: "Statistics 1") and "VU Research Approaches in Cognitive Psychology and Neurosciences" (Prof. Frank Scharnowski and Dr. Ulrich Tran)

► Conducting tutorials (10 1.5-hour live-sessions online via Zoom) for groups of 15-100 students on statistics, probability, and research methodology, as well as asynchronous streaming of the sessions to up to 500 students enrolled in the lecture on the digital learning platform, as well as general organizational assistance for the lectures and exams.

**2020-2021**

**Student Tutor I University of Vienna**

*Faculty of Psychology, Department of Developmental and Educational Psychology*

Course (Winter-terms): "Supervised Orientation Tutorium" (Dr. Birgit Leidenfrost & MMag. Christoph Burger)

► Conducting one in-person and three online seminar sessions on teamwork, learning strategies, and time management for a group of nine first-year undergraduate psychology students.

## PUBLICATIONS

ORCID: <https://orcid.org/0000-0001-9724-2839> Google Scholar: [googlescholar/olafborghi](https://scholar.google.com/citations?user=olafborghi)

**Borghi, O., L., Voracek, M., & Tran, U. S. (Under Review).** Day-to-Day Associations between Mindfulness and Perceived Stress: Insights from Random Intercept Cross-Lagged Panel Modeling.

**Borghi, O., Mayrhofer, L., Voracek, M., & Tran, U. S. (2023).** Differential associations of the two higher-order factors of mindfulness with trait empathy and the mediating role of emotional awareness. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-30323-6>

## POSTER AND CONFERENCE PRESENTATIONS

**Borghi, O. (2023).** Day-to-day association between mindfulness and perceived stress and how to investigate psychological chicken-and-egg problems. PGR Conference, Department of Psychology, Royal Holloway, University of London.

**Borghi, O., Lamm, C., & Boch, M. (2023).** Modulation of the Action Observation Network by Action, Agent and Observer Factors: Insights from an fMRI Study on Dog-Experts and Non-Experts. ECR Poster Session, Faculty of Psychology, Vienna.

## ACADEMIC SCHOLARSHIPS

- 2024** Scholarship for excellent academic achievements, University of Vienna, Vienna, Austria (931€)
- 2023** Scholarship for excellent academic achievements, University of Vienna, Vienna, Austria (750€)
- 2022** Scholarship for excellent academic achievements, University of Vienna, Vienna, Austria (750€)

## SKILLS & CERTIFICATIONS

**Github:** <https://github.com/olafborghi> **OSF:** [osf.io/2a896](https://osf.io/2a896)

### Data acquisition

- Extensive training and certification for Siemens Magnetom Skyra MR system
- Eye-tracking with Eyelink 1000 Plus, SR Research, Ontario, Canada
- Online questionnaire construction with SoSci Survey and Qualtrics

### Data analysis | Coding

- R (data manipulation and visualization and advanced statistical analyses such as structural equation modeling and multilevel modeling)
- Python (data manipulation using various libraries such as *“numpy”* and *“pandas”*, data visualization, MRI data analysis using *“Nipype”*, *“Nilearn”* and *“Nibabel”*)
- fMRI data analysis using FSL; basic knowledge of bash scripting
- Basic knowledge of Git and version control
- ITK-snap (manual brain segmentation)
- State-of-the-art open science methods such as pre-registration and safeguard power analysis
- Other software: JASP and SPSS (multivariate statistics), G\*Power (power analysis)

### Languages

- German (native)
- English (C2 level; proficient in writing, reading, and speaking)
- Italian (B2/C1 level)