

Visual Neuroscience Lab (PI: Natalia Zaretskaya) at the Institute of Psychology, University of Graz jointly with the fMRI Lab (PI: Christian Windischberger) at MR Center of Excellence, Medical University of Vienna is looking for a

Doctoral Candidate
within the framework of the FWF funded project
„High-resolution imaging of the human claustrum“
(Project-Assistant; 30 hours a week; fixed-term employment initially for 1 year with a possibility of extension for up to 4 years in total)

Project description

The project is dedicated to investigating the claustrum, one of the most mysterious structures of the human brain. It is led by the PI Natalia Zaretskaya in Graz and the co-PI Christian Windischberger in Vienna. You will join the Vienna-based part of the team and will be involved in piloting and conducting experiments using 7 Tesla MRI. Project-related publications:

- Adam Coates, Natalia Zaretskaya, High-resolution dataset of manual claustrum segmentation, Data in Brief, Volume 54, 2024, <https://doi.org/10.1016/j.dib.2024.110253>
- Adam Coates, David Linhardt, Christian Windischberger, Anja Ischebeck, Natalia Zaretskaya, High-resolution 7T fMRI reveals the visual sensory zone of the human claustrum, bioRxiv 2023.09.18.558213; <https://doi.org/10.1101/2023.09.18.558213>

Your duties

- Participation in planning, preparing and conducting 7T fMRI experiments in Vienna, data analysis
- Participation in scientific conferences and workshops
- Preparing scientific manuscripts and publications
- Contribution to supervising Bachelor and Master's theses
- Writing and submitting a doctoral dissertation at the end of the project

Your profile

- Master's degree or diploma in neuroscience, physics, biomedical engineering, computer science or similar fields
- Interest in the topic of the project and in vision/neuroscience research in general
- Sound knowledge in conducting (f)MRI experiments and analyzing (f)MRI data, preferably at ultrahigh magnetic field
- Excellent programming skills (MATLAB, Python, Linux shell, etc.)
- Excellent English skills
- Excellent organizational, communication and social skills, independence, reliability
- Preferably sound knowledge of the visual system

More information is available at <https://neurovision.uni-graz.at/en/> , <http://www.fmri.at/> and <https://www.fwf.ac.at/en/research-radar/10.55776/PAT8722623>

Salary

Salary scheme is according to the FWF scale for doctoral candidates. The minimum salary according to the FWF is currently EUR 2,684.10 gross/month.

Expected position start: 1.10.2024 (negotiable)

Application will be accepted until 13.07.2024 or until the position is filled.

Application documents:

- Motivation Letter
- CV
- Relevant diplomas/graduation certificates with grade transcripts
- Contact information of two referees who would be willing to provide a reference letter upon request

Application documents should be sent to Natalia.Zaretskaya@uni-graz.at