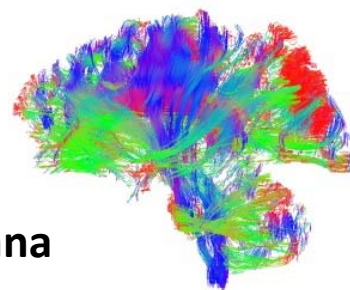


## Master's thesis at the Medical University of Vienna



### About the project:

Cutting-edge imaging modalities such as positron emission tomography (PET) and magnetic resonance imaging (MRI) offer the possibility to investigate the **living human brain** at structural, functional and molecular levels. The research group **NEUROIMAGING LABs – PET, MRI, EEG, TMS & Chemical Lab** (head: Prof. Rupert Lanzenberger) is looking for a highly **motivated new team member** in the field of **(medical) informatics** to conduct his/her **master's thesis**. The project will focus on the implementation and development of novel tools for the analysis of genetics/transcriptomics and functional MRI or PET imaging data (**Imaging Genetics**) for both healthy subjects as well as patients with psychiatric illnesses. The lab is part of the Department of Psychiatry and Psychotherapy at the Medical University of Vienna and shows continuous collaboration with other national and international departments.

### What we offer:

- **Top-notch, interdisciplinary research environment** of physicians, engineers, computer scientists and psychologists.
- **Access** to research dedicated **PET & MR scanners** for **brain imaging** in humans
- **Unique brain data** including PET and MR imaging (fMRI), EEG, genetics, transcriptomics, etc.
- Insight and hands-on experience in **clinical research studies**
- Balanced **thesis supervision** with guidance, structure and space for own ideas
- Possibility to add a **doctoral thesis/PhD**

### What we are looking for:

- **Fluency in programming languages** (Matlab, C++, Python, etc.)
- **Skills regarding Linux, server maintenance and statistics** (R, SPSS, etc.) are advantages
- Team player with high motivation and problem-solving abilities
- **Interest in data analysis and neuroscience** and/or psychiatry a/o neurology
- Intention to pursue an academic career (MSc, Dr./PhD, Prof.)

**If we aroused your interest, please send a short application, including your CV, to**

Prof. Rupert Lanzenberger, MD PD

Email: [rupert.lanzenberger@meduniwien.ac.at](mailto:rupert.lanzenberger@meduniwien.ac.at)

Web: <http://www.meduniwien.ac.at/neuroimaging/>