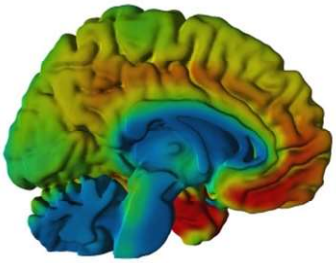
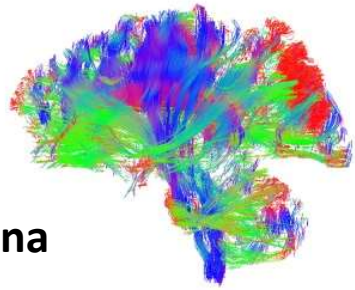


Master's thesis at the Medical University of Vienna



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 **biomedical engineering, physics, mathematics, (medical) computer science** or similar to conduct his/her **master's thesis**. The project will focus on the implementation and development of novel tools for the analysis of PET and MRI imaging data, but also includes measurements and handling of large data sets. 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 & MRI scanners** for **brain imaging** in humans
- **Unique brain data:** PET, MRI (structural/functional), EEG, genetics, 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++, Java, 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,** psychiatry, neurology
- Intention to pursuit 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
Web: http://www.meduniwien.ac.at/neuroimaging/