

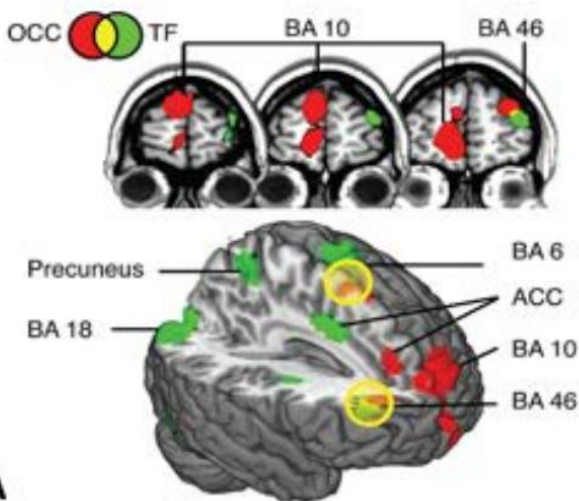


# Student Job or Final Thesis

**Area:** Data Science in Neuroscience  
**Topic:** An integrated Neuroscience Environment for Handling, Processing and Accessing Data with complex Requirements

**Objectives:**

- Handling of data with various data sources (MRI, EEG, behavioral data, ...) and formats at different scales
- Integrating of existing metadata extraction algorithms or implementation of new algorithms to enable search capabilities
- Integration of High Performance Capabilities to enabled data processing capabilities
- Adapting/implementing graphical user interfaces based on user requirements



**Technologies:** Data Management and Web Frameworks, Databases, Java, Python

**Project:** DFG Collaborative Research Centre 940

**Language:** German or English

**Time Frame:** As soon as possible

**Contact:** Christian Löschen ([christian.loesch@tu-dresden.de](mailto:christian.loesch@tu-dresden.de))  
Dr. Richard Grunzke ([richard.grunzke@tu-dresden.de](mailto:richard.grunzke@tu-dresden.de))

**Professor:** Prof. Dr. Wolfgang E. Nagel