



## **Research Technician II in Neuroimaging**

### **Description**

The laboratory of Dr. Guglielmetti in the Mallinckrodt Institute of Radiology (MIR) at Washington University School of Medicine, St. Louis is recruiting a Research Technician II to assist with the technical aspects of studies and experiments, including documentation and preparation of materials. The goal of the research performed in Dr. Guglielmetti laboratory is to develop and validate novel noninvasive imaging methods to investigate the role of the immune system and glial cells in cerebral disorders. There is a particular emphasis on the development of hyperpolarized  $^{13}\text{C}$  magnetic resonance spectroscopy in combination with PET/CT imaging in preclinical models of Multiple Sclerosis and other neurodegenerative diseases. Overall, this research aims to generate an improved mechanistic understanding of the highly complex interplay between the immune system and brain health, as well as set the stage for clinical translation of novel imaging methods.

### **Primary Duties & Responsibilities**

- Assists with research studies, experiments and assays, including collection of data, preparation of solutions and set-up and maintenance of equipment.
- Performs data entry and maintains data files on research.
- Prepares tissue cultures, reagents, probe tests, etc.
- Complies with established safety procedures and maintains required documentation on laboratory and specimen conditions.
- Assists with general lab maintenance.

### **Required Qualifications**

Bachelor's degree and up to one year of experience in a laboratory setting; or an equivalent combination of education and experience equaling 4 years.

### **Preferred Qualifications**

1. Demonstrated ability to work independently and communicate with laboratory staff and investigators.
2. Ability to maintain complete and organized records/reports.
3. Working knowledge of computer software and general lab equipment.

### **Special Instructions to Applicants**

Interested candidates are encouraged to email a CV, a cover letter describing research interests, and references to Dr. Caroline Guglielmetti at [carolineguglielmetti@wustl.edu](mailto:carolineguglielmetti@wustl.edu)