



**Postdoctoral Scientist Position**  
**Functional connectivity MRI/Neuroscience**  
**Department of Radiology**

The Intellectual and Developmental Disabilities Center (IDDRC) at the Washington University School of Medicine in St. Louis is seeking a motivated and talented postdoctoral scientist to i) develop resting state functional connectivity MRI (fcMRI) for rodent models and ii) optimize fcMRI for application to developing human brain.

Working independently, but in close collaboration within a multidisciplinary team of MR scientists, physicists, neuroscientists, neurologists and neurosurgeons, the postdoctoral scientist will investigate rodent models of human developmental disabilities and neurologic conditions and will optimize fcMRI for evaluating infants and children. Animal studies will be carried out primarily on a Bruker 9.4-T scanner equipped with a cryoprobe. Human studies will be performed on a variety of state-of-the-art Siemens scanners. Goals for both clinical and preclinical projects will include pulse-sequence optimization, data acquisition, and adaptation of existing data streams.

**Education Requirements:** PhD in Engineering, Physics, Chemistry or a related field is required.

**Experience:** At least 2 years of hands-on experience with acquisition, processing and analysis of MRI data. Strong programming skills (Matlab, Python or C/C++) are preferred.

We encourage diversity to reflect the rich community in which we live and serve, and we are committed to promoting an environment that is inclusive and welcoming to all individuals. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, veteran status, disability or genetic information.

Interested applicants should forward a curriculum vitae to Drs. Jeffrey Neil ([neil@wustl.edu](mailto:neil@wustl.edu)) and Joel Garbow ([garbow@wustl.edu](mailto:garbow@wustl.edu)).