Neuro-Imaging Post Processing Position Available: Neuroradiology Division  
Department of Radiology  
Northwestern Medicine / Northwestern Memorial Hospital

The Neuroradiology Division, Department of Radiology at Northwestern Medicine is seeking a qualified person to support the neuroradiology faculty in the workflow of neuroimaging studies that need advanced post-processing. The responsibilities are primarily for CT and MR Imaging studies that require advanced processing after image acquisition. The main function of this job position is to oversee and post process advanced neuroimaging studies under general supervision of neuroradiologists and for referring surgeons or physicians. These neuroimaging studies mainly comprise of functional MRI of the brain (fMRI), diffusion tension imaging and tractography (DTI), brain and lesion volumetric analysis, positron emission tomography (PET) fusion to MRI, 3D image post-processing, CT and MR perfusion, and cerebrovascular imaging, but can also include other neuroimaging studies including CT and MRI. Cases would span brain tumors, epilepsy, neurodegenerative disorders, stroke, and cerebrovascular diseases, amongst other neurological disorders. Responsibilities also include analysis of advanced neuroimaging studies for research, presentations, and publications. Follow departmental protocols for building complex three-dimensional images and quantitative data. Assist the department with the quality assurance programs. Maintains professional working relationships and good rapport with referring physicians, radiologists, technologists, hospital campuses and staff. The ideal candidate would have a background in neuroimaging research and/or functional brain mapping. Research experience would be a plus. This position requires a postgraduate degree or equivalent. We are willing to train a recent graduate.

Knowledge, Skills, Education, & Experience Required:

- Postgraduate degree or equivalent
- We are willing to train a recent graduate
- Ability to communicate effectively and work with people of diverse backgrounds
- Knowledge of general neurological anatomy
- Ability to learn and grow with new technology
- Customer service skills
- Computer skills to include programs such as Microsoft Word, Excel and Outlook
- PACS experience (Preferred)
- PRISM fMRI/DTI experience (Preferred)
- BrainLab experience (Preferred)
- Vitrea experience (Preferred)
- In-depth understanding and knowledge of CT or MR protocols (Preferred)
- Knowledge of cross-sectional anatomy (Preferred)
- Excellent communication skills (Preferred)
- Strong organizational skills (Preferred)
- Problem-solving skills (Preferred)

Job Responsibilities:

- Processes all exams, as designated by the neuroradiology faculty, using departmental 3D Laboratory protocols. Processes exams with a high level of productivity. Follows through after completing exams with communication to appropriate departments.
- Proficiently utilizes all types of post-processing software in the lab.
- Reviews studies for quality. Communicates quality issues with performing technologists. Consults with Radiologists regarding quality issues. Educates and provides support to scanning technologists for technical and quality issues.
- Acts as a resource for all CT and MR staff for questions related to processes, protocols and equipment issues.
- If required, performs technologist QA for designated modality.
- Assists in training of new 3D Laboratory imaging staff as assigned.
- Maintains 3D processing software and computers via communications with vendors and hospital information technology.
- Meets the quality standards for post processing protocols.
- Consistently attends department meetings or other mandatory meetings.
- Performs other duties as assigned or directed to ensure the smooth operation of the department.

Please send CV and cover letter to: bliu@nm.org or irodrigu@nm.org

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