Job Title: DIGITAL IMAGE ANALYST I

Job Code: 0848

FLSA: N

Job Level: 09

Revised Date: 04/01/2020

Job Family: JF 05

Occupational Summary

Manage and operate preclinical MRI system used for small animal imaging; Work with user community and SAIL faculty to refine imaging protocols; perform routine maintenance and software upgrades. Archive studies and provide users with links; Set up quality assurance program. Maintain schedule and assist administrative staff with billing.

Work Performed

Perform live animal (mouse and rat) preclinical imaging on state of the art Bruker 7 T MRI. Manage setup and scanning. Adapt imaging protocols to users needs. Develop animal physiologic support and maintenance. Archive data. Assist users in data retrieval

Assist in developing new imaging protocols, new support structures (eg. specialized beds or rf coils). Assist users and SAIL faculty in image interpretation and analysis.

Experience in coding (eg C or Python) to facilitate development and maintenance of imaging sequences. Ability to trouble shoot scanner malfunction and assist factory representatives in upgrades. Confidence and competence in interacting with sophisticated distributed compute architecture for image reconstruction, archive and analysis. Interest in image processing.

Perform other related duties incidental to the work described herein.

The above statements describe the general nature and level of work being performed by individuals assigned to this classification. This is not intended to be an exhaustive list of all responsibilities and duties required of personnel so classified.

Required Qualifications at this Level

Education/Training: Work requires a bachelor's degree in biology or directly related scientific field.

Preferred: BA/BS or an equivalent combination in biomedical, electrical, or computer engineering

Experience: Work requires minimum one year of experience in medical imaging.

Background in imaging would be useful, but we are willing to train.
Skills: Technical competence in operating complex systems. Software competence in MATLAB, C, python or related programming.

People skills are essential. Willingness to listen to users needs, help facilitate the right imaging strategy for their problems. Willingness to assist in all elements of the imaging study.

The intent of this job description is to provide a representative and level of the types of duties and responsibilities that will be required of positions given this title and shall not be construed as a declaration of the total of the specific duties and responsibilities of any particular position. Employees may be directed to perform job-related tasks other than those specifically presented in this description.

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**Essential Physical Job Functions**

Certain jobs at Duke University and Duke University Health System may include essential job functions that require specific physical and/or mental abilities. Additional information and provision for requests for reasonable accommodation will be provided by each hiring department.

Contact: Tawynna Gordon at tawynna.gordon@duke.edu with CV or Resume. Any questions can be addressed to the same email.