**Occupational Summary**

Full-time faculty in the Bashir Lab for Liver Imaging Research engaged largely in research endeavors (usually 80% or more) and instruction with little involvement with patient care. Provide leadership and expertise in conducting complex research activities, including planning, organizing, conducting, and communicating research studies within the overall scope of a research project at Duke University.

Bashir Lab Website: [https://radiology.duke.edu/research/lab/bashir-lab-liver-imaging-research-2/](https://radiology.duke.edu/research/lab/bashir-lab-liver-imaging-research-2/)

**Work Performed**

Conduct a variety of complex and independent investigations in the planning, development and implementation of original experimental procedures and specialized imaging and data processing techniques in the analysis of materials or data under experimentation.

Collect information and data through observation, experimentation and various other methods.

Evaluate and interpret collected data and prepare reports and analyses setting forth progress, adverse trends and appropriate recommendations or conclusions. Confer with principal investigator in developing plans for research projects and to discuss the interpretation of results and the preparation of scientific manuscripts for publication.

Review journals, abstracts and scientific literature to keep abreast of new developments and to obtain information regarding previous experiments to aid in the design and development of original procedures and techniques.

Supervise, train and instruct residents, interns, students or lower level personnel in laboratory techniques and procedures.

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 doctoral degree in medical physics, biomedical engineering, or other directly related scientific field.

Experience: Work requires at least four years of research experience.

Skills: Background in imaging technologies and medical physics, MRI preferred. Strong background in computer programming, though a formal degree in computer science is not required. Prior experience with machine learning/artificial intelligence techniques preferred.

**Application Process**

Please submit your CV and a letter of interest in the position, which includes your research experience, research goals, and career goals to gemini.janas@duke.edu.

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Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas—an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

**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.