



Integrated Research Facility, National Institute of Allergy and Infectious Diseases, Frederick, MD.

One **MR Physicist** position is available in the Imaging Team at the Integrated Research Facility (IRF), NIAID, NIH, Frederick, MD. The MR Physicist will be involved in multimodal medical imaging studies involving preclinical models of highly pathogenic viruses to systematically evaluate the clinical course and pathology of infectious disease processes.

The studies will utilize a variety of animal models of infectious diseases and will be used to identify and validate imaging markers to aid in development of drugs, vaccines, and other medical products designed to improve health outcomes for patients. (<https://www.niaid.nih.gov/about/irf-imaging-physics>)

The ideal candidate should have a strong background in MR physics. Experimental background in MRI, MR physics, or MRI and biomedicine as reflected in a recent PhD degree from a relevant area, is desirable. Hands on experience with MRI scanner is essential.

Formal Quantification for the position

- PhD degree in Medical Physics, Biomedical Engineering preferred with strong MR physics background
- Publication history
- Oral and written presentation of research data
- US citizenship or Permanent Residence
- Fluency in English
- Must be able to work in a BSL4 facility, meet the standards, qualifications, background investigations required for this environment

Required Experience for the position

- Operational experience with MRI (Philips will be beneficial)
- 5 years of imaging experience in development and implementation of pre-clinical imaging strategies
- Experience with pulse programming
- Experience with Imaging processing software
- Operational experience with PET, SPECT, CT, or optical scanners will be plus

How to apply

Inquiries, or application package (as a single PDF document) including a cover letter, curriculum vitae, and contact information of at least three references should be addressed to Dr. Ji Hyun Lee at jihyun.lee@nih.gov with **Subject as Application: MR physicist.**