Post-doctoral Research Associate - MRI

Accelerate your post-doctoral research with GSK’s extensive R&D engine in a world-class facility. In this role, you will have the opportunity to:

- Be part of cutting-edge science to advance GSK’s mission to ‘unite science, talent and technology to get ahead of disease together’; all with the clear ambition of delivering human health impact.
- Bridge the gap from target identification to medicine for patients in-need by leveraging GSK’s: Tools, Technologies, Libraries, Samples, People, Knowledge Base, and Training program.

Your Post-doctoral experience will be accompanied by tremendous support at GSK with the opportunity for daily collaborations with world-class scientists.
GSK is committed to providing each Post-doc with a mentor who will be focused on providing a comprehensive training program and is expected to nurture skills that will enable the Post-doc to become an independent scientific investigator.
Ideal candidates will: set direction and inspire, work across boundaries, release energy, develop capabilities, drive performance, and live the GSK values of serving patients and consumers.

Post-doc Experiences and Responsibilities:
The successful candidate will join a highly collaborative and motivated team of scientists from GSK (Drug Product Development, and Bioimaging) and ViiV to work on a three-years project that will allow to advance mechanistic understanding of LAI drug product performance by contributing to the execution of in-vivo/ex-vivo studies, and leveraging advanced characterization and bioimaging tools. In addition to the various advanced MRI/S technologies, the successful candidate will exploit and learn about EM (Scanning, Transmission, Cryo, Focused Ion Beam), Laser Diffraction, immunofluorescence (IF) / immunohistochemistry (IHC), and Matrix-Assisted Laser Desorption-Ionization Spectroscopy (MALDI).

- Perform in-vivo Bioimaging studies (study design, protocol writing, data acquisition and image analysis) to support the needs of the project.
- Operate imaging equipment, including MRI, to acquire in-vivo and/or ex-vivo images of tissues and injection sites.
- Responsible for coordinating sample analysis, data generation, data management and communication to project teams.
- Collaborate with key opinion leaders, within GSK and externally, regarding highly technical information.
- Understand, interpret, and communicate complex scientific data.
- Exhibit productivity in a fast-paced multi-disciplinary scientific environment.
- Stay up to date with necessary training and maintain compliance with company policies and procedures.

This is a site-based role at 1250 S. Collegeville Rd, Collegeville, PA 19426 with an opportunity to collaborate with an external academic institution and up to 10% travel time.
Please use the cover letter to highlight how you fit the applicant profile and meet the skills and competencies for the role. Your cover letter along with your CV will be used to assess your application.
Why you?

Basic Qualifications:
We are looking for professionals with these required skills to achieve our goals:
- Ph.D. degree Physics, Biophysics, Biomedical Engineering, or relevant fields, completed within the past 3 years.
- Experience in Magnetic Resonance Imaging/Spectroscopy (MRI/S).
- Experience with handling experimental animals.
- Experience with visualization and statistics.
- Established track record of continued scientific contributions through presentations and publications.

Preferred Qualifications:
If you have the following characteristics, it would be a plus:
- Hands-on experience with Bruker MRI/S systems.
- Familiarity with X-ray Microscopy-Computed Tomography (XRM-CT), Electron Microscopy (Scanning, Transmission, Cryo, Focused Ion Beam) is a plus.
- Learning agility to develop expertise on multiple imaging techniques.
- Knowledge in immunology or virology, with focus on HIV.
- Be a self-starter and have ability to handle multiple projects concurrently

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