Merck Research Laboratories, South San Francisco LLC, a wholly owned subsidiary of Merck and Co., is focused on driving discovery research. Our new multi-disciplinary discovery research site offers state-of-the-art resources to explore the most promising science combined with Merck’s world-class R&D expertise in small molecules and biologics. Located within the heart of the San Francisco Bay area’s biomedical community, research conducted in our new laboratories spans exploratory biology through early clinical development and is an integral part of Merck’s powerful world-class network of drug and vaccine discovery. Our ability to excel depends on the integrity, knowledge, imagination, skill, diversity and teamwork of an individual like you. To this end, we strive to create a fast-paced, nimble and flexible environment of mutual respect, creativity, invention and teamwork. With access to Merck’s proven global R&D organization, you’ll have the opportunity to collaborate with talented and dedicated colleagues while developing and expanding your career.

Merck is currently seeking a qualified in vivo imaging scientist within Translational Biomarkers group located at our South San Francisco site, where the group focuses on preclinical imaging biomarker development in in vivo animal models of human diseases using multi-modality imaging techniques (e.g. Ultrasound/Photoacoustic Imaging, Optical/CT, and MRI), in order to support translational research and early clinical development. You will be also a part of Translational Biomarkers Department working on discovery and development of novel biomarkers & companion diagnostics for preclinical studies, early clinical research, and clinical trials across therapeutic areas. The successful candidate is expected to lead our pre-clinical MRI/S efforts to develop imaging biomarkers in in vivo animal models and for clinical translation. Good understanding of MR physics and instrumentation, as well as the abilities to establish new MRI methods are required. Working knowledge in Oncology or Meta-inflammation research is a plus.

**Duties would include and not limited to the following:**

- Responsibility for the discovery and development of novel imaging biomarkers to support drug discovery and development
- Coordination and execution of imaging studies to meet a demanding Discovery or Development program schedule
- Collaboration with Imaging Department personnel, Discovery Biology program teams, and clinical scientists, as well as external research institutes or CROs.
- Accurate record keeping for notebooks, equipment logs and research reports and maintain and upkeep of laboratory equipment used for imaging experiments
• Presentation of research results to internal and external colleagues, including writing of manuscripts for submission to peer-reviewed journals and giving talks at scientific conferences.

Qualifications:

Education and Work Experience Requirements:

• PhD degree in Biophysics/Bioengineering/Biomedical Sciences with 3+ postdoc training
• 3+ year of in vivo imaging research experience in industry or academia

Required Experience:

• Minimum of (3) years working experience in imaging biomarker development in animal models of human diseases or human, including study design and imaging method development, implementation of acquisition protocols, and image analysis and interpretation
• Strong research experience in various in vivo imaging modalities with a focus on MRI techniques for biomedical applications
• Working knowledge of imaging processing methods, data analysis programming languages and/or software tools (e.g. MatLab, C++)
• Ability to foster and lead research projects while working with multiple disciplinary teams in a matrix environment
• Experience in collaborating with external academic research institutes or managing CROs
• Strong written and oral communication skills
• Interpersonal skills necessary for working in a highly collaborative, cross-functional working environment and the ability to work independently
• Strong academic record including publications in peer reviewed journals
• Experience in mentoring junior scientists will be a plus

Application:

Merck offers competitive compensation and benefit packages. Salary is consummate based on experience. If interest, please submit your CV via https://msd.wd5.myworkdayjobs.com/SearchJobs/job/USA---California---South-San-Francisco---Grand-Ave/Sr-Scientist--Imaging-Biomarkers_R33607 or to Dr. Chih-Liang Chin (chih-liang.chin@merck.com)

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