Genentech
A Member of the Roche Group

Position: Senior Scientific Researcher, Biomedical Imaging
Department: Biomedical Imaging, Genentech Early Research and Development
Location: South San Francisco, CA 94080
Job Function: Research
Schedule: Full time
Job type: Regular
Job Level: Individual contributor
Job ID: 201906-118110
Application URL: www.gene.com/careers/detail/201906-118110

The Position

The Biomedical Imaging Department at Genentech invites applications for a full-time Senior Scientific Researcher in quantitative MRI. The Biomedical Imaging Department is a dedicated, state-of-the-art research facility that includes MRI (7T and 9.4T), Micro-CT (in-vivo and ex-vivo), Ultrasound, Micro-PET/CT, as well as optical imaging techniques. The position will broadly focus on the application of MRI to the study of structural, microstructural, and physiological characterization in preclinical animal models in response to therapy. The ideal candidate will have a strong background in MRI, physiology, data analysis methods, and a keen interest in applying in-vivo imaging to address specific biological questions related to our research programs.

Responsibilities

- Develop imaging tools for investigating drug action and pathophysiological response.
- Assist in testing novel compounds using in-vivo models of human pathology.
- Analyze data using morphological methods, pattern recognition, and machine learning.
- Integrate other imaging modalities to provide complementary information.

Requirements

- Ph.D. in biomedical engineering, biophysics, or physics. Postdoctoral training is preferred.
- Excellence in the field of in-vivo pre-clinical MRI, as evidenced by peer-reviewed publications.
- Strong experience with MRI pulse sequences and contrast mechanisms.
- Strong communication and collaboration skills.

Preferred Experience and Competencies

- Knowledge of image analytics, computer vision, and machine learning techniques.
- Fluency in programming languages (MATLAB, Python, R, C++, IDL, Analyze, JMP).
- Experience with large data sources or with computationally intensive steps (parallelization, HPC cluster computing, Docker).
- Experience implementing reproducible research practices and version control.

#LI-GREDES1

Join a Team that Lives to Improve Lives

People come to Genentech from across disciplines and across the world to solve our most challenging medical conditions. You'll find inspiration in our passion for biotechnology, our purpose to positively impact the lives of millions of patients and our dedication to our people. Joining Genentech means being part of a tradition of inquiry that will change the world. It means embracing our failures as much as our successes. It requires a willingness to look beyond the edge of what's possible. And a focus on doing the day-to-day work that makes great science happen.

A Job with Benefits Beyond the Benefits

A member of the Roche Group, Genentech has been at the forefront of the biotechnology industry for more than 40 years, using human genetic information to develop novel medicines for serious and life-threatening diseases. Genentech has multiple therapies on the market for cancer & other serious illnesses. Please take this opportunity to learn about Genentech where we believe that our employees are our most important asset & are dedicated to remaining a great place to work.

Genentech is an equal opportunity employer & prohibits unlawful discrimination based on race, color, religion, gender, sexual orientation, gender identity/expression, national origin/ancestry, age, disability, marital & veteran status. For more information about equal employment opportunity, visit our Genentech Careers page https://www.gene.com/careers.

At Genentech, we share salary ranges with applicants during the recruiting process, if requested. Third party salary estimates may not be accurate or up-to-date.