Position: Contract Researcher, in vivo MRI
Department: Biomedical Imaging, Genentech Research and Early Development
Location: South San Francisco, California
Job type: Contractor through PRO Unlimited
Job Level: Individual contributor
Duration: 2 years with 1 additional year contingent on success
Application: Please submit cover letter and CV to xie.luke@gene.com

The Position

The Biomedical Imaging Department at Genentech invites applications for a full-time Contract Researcher in quantitative MRI. Our department has 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, and optical imaging. The position will broadly focus on MRI to study microstructural and physiological characterization of animal models in response to therapy. The ideal candidate will have a strong background in MRI, chemistry, physiology, and a keen interest in applying in vivo imaging to address 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, perform image analytics, and implement signal modeling.
- Integrate other imaging modalities to provide complementary information.

Requirements

- M.S. or Ph.D. in biomedical engineering, biology, biophysics, physics, or chemistry.
- Excellence in the field of in vivo MRI, as evidenced by peer-reviewed publications.
- Strong communication and collaboration skills.

Preferred Experience and Competencies

- Experience with spectroscopy and chemical exchange saturation transfer on Bruker MRI.
- Fluency in programming languages (MATLAB, Python, R, C++, IDL, Analyze, JMP).
- Experience implementing reproducible research practices and version control.