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.

The following opportunity exists in our South San Francisco, CA headquarters:

Postdoctoral Research Fellow Biomedical-Imaging, Carano Lab, Genentech Research

The Position
The Biomedical Imaging Department at Genentech invites applications for a full-time postdoctoral research position in quantitative magnetic resonance imaging. The position will broadly focus on the application of biomedical imaging to the study of structural, microstructural and physiological characterization of the tumor microenvironment and alterations associated with therapy. The areas of potential projects for this position will include the study of tumor immunology and tumor immune cell infiltration by multi-parametric MRI methods (ex. immune cell labeling/trafficking, perfusion, diffusion, and targeted contrast agents). Data analysis methods will focus on the application of pattern recognition/machine learning techniques to analyze these multi-parametric data sets. Research activities will be to focus on MRI applications, although other imaging modalities will likely be employed to provide complimentary information. 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 internal research programs.

Requirements
Applicants should possess a PhD in an appropriate discipline, such as bio/biomedical engineering, biophysics, or physics. The candidate should have demonstrated excellence in the field of in-vivo pre-clinical MRI, as evidenced by peer-reviewed publications and productivity during their PhD studies. Strong experience with MRI is required. Software experience with high-level programming languages (C++, Python, IDL, MatLab, etc.), data analysis packages (Analyze, JMP, R, etc.) and pattern recognition/machine learning methods are expected. In addition, a strong background in targeted nanoparticles and in-vitro cell labeling techniques will be helpful to succeed in this position. Additional experience with in-vitro and in-vivo biological techniques is desired.

The Biomedical Imaging Department is a dedicated, state-of-the-art research facility that includes MRI (7T and 9.4T systems), micro-CT (in-vivo and ex-vivo), ultrasound, micro-PET, micro-SPECT/CT, and
various optical imaging techniques. Genentech offers one of the most comprehensive benefits packages in the industry. Our culture emphasizes working hard, working together and sharing rewards.

**Who We Are**
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. The next step is yours.

To apply today, please visit: [https://www.gene.com/careers/detail/201806-112383/Postdoctoral-Research-Fellow-Biomedical-Imaging-Carano-Lab-Genentech-Research](https://www.gene.com/careers/detail/201806-112383/Postdoctoral-Research-Fellow-Biomedical-Imaging-Carano-Lab-Genentech-Research)

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.

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.