

Postdoctoral Research Fellow, Genomics and Bioinformatics, Manning lab, Genentech Research

Job ID: 3308829310

Job Function

Research

Schedule

Full time

Location

United States of America - California
South San Francisco

Job type

Temporary (Fixed Term)

Company/Division

Pharmaceuticals

Job Level

Individual contributor

The Position

Cancer is a complex, resilient disease. Cancer is also a genomic disease, and the key to understanding and defeating it is understanding the diverse genomic patterns that drive cancer. The first generation of cancer genomics delivered 'things' – mutations, amplifications, fusions, expression profiles etc. We're looking for an ambitious postdoc to help us understand the next generation of cancer genomics – the patterns of genomic changes that will reveal the molecular strategies used by tumors, and reveal new therapeutic possibilities. We have access to profiling of over 100,000 tumors from public and private sources, a world-leading bioinformatics department embedded in probably the world's most successful cancer therapy development organization. This is a unique opportunity to drive cancer genomics to the next level of understanding, and to enable this understanding to be deployed for real patient benefit.

The primary goal of postdocs is scientific discovery and publication (see <http://www.gene.com/careers/academic-programs/postdocs>), and the program is geared towards developing future independent investigators. The Department of Bioinformatics and Computational Biology at Genentech is one of the largest bioinformatics research groups with a remarkable breadth and depth of expertise, a strong team environment, deep links to our research colleagues, and a uniquely strong opportunity to help develop breakthrough new medicines.

The Manning lab (<http://manninglab.org>; <https://www.gene.com/scientists/our-scientists/gerard-manning>) focuses on understanding of biological function and disease through deep genomic analysis.

Candidates for this position should have:

- A PhD plus a strong background in bioinformatics and genomics and a broad understanding of cancer and cancer genomics. Knowledge of cell biology, protein structure, biochemistry or signaling a plus.

- Robust mathematical and statistical skills, and a track record of applying them to complex and noisy biological data. Experience in computational modeling and machine learning a strong plus.
- Proficiency in R programming and experience in standard bioinformatics toolkits and programs.
- Strong communication and teamwork skills to take advantage of our highly collaborative environment, working with both computational and experimental scientists.
- A passion for innovation, and demonstrated initiative and track record in tackling new areas of research.

*LI-gRED-GL1

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.

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](#).