Senior Scientist, Translational Bioinformatics, Oncology Biomarker Development

Job ID: 201812-131080

Job Function
Research

Location
South San Francisco
California
United States of America

Company/Division
Pharmaceuticals

Schedule
Full time

Job type
Regular

Job Level
Individual contributor

The Position

We seek a highly motivated Senior Scientist within Development Sciences to support biomarker development efforts focusing on Genentech’s Oncology pipeline. The incumbent will apply advanced data analysis skills in collaboration with a group of biomarker scientists to perform translational oncology research, and execute on predictive and pharmacodynamic biomarker strategies for programs in clinical development.

For this particular position, we are seeking a demonstrated scientific leader with a consistent and outstanding record of creativity and performance in cancer biology and bioinformatics or biostatistics, evidenced by peer reviewed publications in top tier journals, patent applications, or regulatory filings. The successful candidate is expected to effectively represent the department by leading and influencing cross-functional molecule and diagnostic development teams; applying advanced analytic methods on massive, integrated clinic-genomic data sets to support innovative clinical development programs and publications; interacting with key partners and investigators; and promoting collaborative efforts to advance computational biomarker sciences.

As a Senior Scientist, you are expected to:

- Drive application of advanced analytic techniques, including machine learning, to extract disease biology insights and identify biological targets from large clinicogenomic biomarker datasets
- Actively promote scientific and technical innovation collaboratively with other members of the Department
- Support development and execution on lead and exploratory biomarker strategies for multiple clinical development projects
- Direct and support publications in high quality scientific, technical or medical journals
- Represent the department and biomarker teams externally through interactions with our key investigators
Effectively manage internal and external scientific collaborations
Participate and thrive in an interactive, team oriented culture

Who You Are

- PhD degree in a relevant scientific field (e.g. molecular biology, cancer biology, genomics, or bioinformatics)
- Minimum of 5 years postdoctoral experience in basic or translational cancer genomics research either in an academic and/or industry setting
- Outstanding statistical and bioinformatics programming skills (e.g., using R or Python) and familiarity with the Unix operating system. Experience with Bioconductor is preferred.
- Proven experience analyzing and interpreting integrated, high throughput genomic data, including whole exome, whole transcriptome, and single cell next generation sequencing
- Knowledge and understanding of current methods used to assess tumor biology in the clinical setting, and experience with publicly available molecular oncology data sets
- Experience in clinical drug development is beneficial, including understanding of critical development functions, e.g., biomarker development, clinical pharmacology, regulatory, safety, operations, and biostatistics
- Familiarity with machine learning and systems biology tools would be highly advantageous

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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.