Scientist - Bioinformatics

Job ID: 201904-110911

Job Function
Research

Location
South San Francisco
California
United States of America

Schedule
Full time

Company/Division
Pharmaceuticals

Job Level
Individual contributor

The Position

The Sequencing Applications and Genome Engineering (SAGE) bioinformatics group at Genentech is looking for a motivated scientist to join our team.

Working in a highly collaborative environment, the successful candidate will develop and apply bioinformatics resources to support next-generation sequencing applications in addition to methods aimed towards accelerating our advanced animal and cell engineering and genetic screening platforms. He/she is expected to play an active role in subsequent analysis and interpretation of data in close collaboration with wet lab scientists. Ultimately this work will deepen our understanding of biological systems and provide insight for the development of enhanced engineering workflows.

As a member of the Genentech Bioinformatics & Computational Biology department, he/she will work both independently and as a member of interdisciplinary teams, carry out data analysis and integration across various domains, and apply best-in-class algorithms — or develop new algorithms — that directly address motivating biological questions. Regular publication of both scientific and methodological results is strongly encouraged. Finally, the successful candidate will be able to effectively present complex results in a clear and concise manner that is accessible to a diverse audience of quantitative, experimental scientists.

Requirements

- PhD in bioinformatics, computational biology or similar, with a strong publication record. Alternately, a PhD in molecular biology with a very strong record of high-throughput data analysis, supported by publication in this area.
- A solid understanding of algorithmic approaches to analyze genomic data as well as tools and genome databases. Candidates with working knowledge of genome editing and gene expression/function will be prioritized.
- Experience and interest in analyzing data generated by next-generation sequencing genomic applications, Nanopore long read sequencing and RNA-Seq technologies.
• An understanding of the statistical principles, machine learning methods and current best practices in high-throughput molecular data analysis.
• Strong experience in the use of a high-level programming language such as R or Python for complex data analysis, familiar working in Linux and HPC compute environment.
• Exceptionally strong communication, data presentation and visualization skills.
• Ability to work both independently and collaboratively, and to handle several concurrent, fast-paced projects

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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.