

Senior Expert Bioinformatics

Job ID
REQ-10060601

8月 21, 2025

USA

摘要

Senior Bioinformatics Expert/Scientist within the Quantitative Science and Statistics group. Working in a highly collaborative environment, the successful candidate will build and develop bioinformatics support to next generation sequencing (NGS) technologies and platforms in advancing cell and gene therapy platform. The successful candidate is expected to play an active role in leading and managing bioinformatics initiatives and work in close collaboration with wet lab scientists and internal and external collaborators.

About the Role

Key Responsibilities:

- Work as a lead bioinformatics scientist both independently and as a member of cross-functional teams to lead the effort on NGS experimental design, data analysis and interpretation.

- Develop bioinformatics pipelines for NGS data analysis, data management and enabling data analysis pipelines in routine analysis. Provide troubleshooting and maintenance supports.
- Produce high quality written documentation including study protocols, data analysis plans and reports.
- Refine algorithms and tools for sequencing data analysis and propose improvements.
- Communicating internally with other departments and externally with collaborators about technological capabilities and gap analysis.
- Lead bioinformatics pipeline validation and transfer.
- Support the wider R&D team with general bioinformatics need

Essential Requirements:

- PhD in bioinformatics, computational biology, biostatistics, molecular biology, virology or related discipline.
- At least 5 years of relevant industry work experience is required.
- Strong domain knowledge in genomics, excellent programming skills, and deep experience with next-generation sequencing and analysis.
- End-to-end complete life cycle experience in analysis and workflow/pipeline development for major NGS platforms for mutation analysis, genome mapping, variant calling and interpretation.
- Strong communication skills, ability to work both independently and collaboratively, to manage multiple concurrent, fast-paced projects and to work with multidisciplinary teams.
- Ability to set up bioinformatics computation systems from ground up.
- Experience in virology or viral gene therapy and working experience in GxP environment is considered a plus

The salary for this position is expected to range between \$132,300 and \$245,700 per year.

The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors.

Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards.

US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

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状态

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U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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