

Senior Bioinformatician

Job Description

University Overview

The University of Pennsylvania, the largest private employer in Philadelphia, is a world-renowned leader in education, research, and innovation. This historic, Ivy League school consistently ranks among the top 10 universities in the annual U.S. News & World Report survey. Penn has 12 highly-regarded schools that provide opportunities for undergraduate, graduate and continuing education, all influenced by Penn's distinctive interdisciplinary approach to scholarship and learning.

Penn offers a unique working environment within the city of Philadelphia. The University is situated on a beautiful urban campus, with easy access to a range of educational, cultural, and recreational activities. With its historical significance and landmarks, lively cultural offerings, and wide variety of atmospheres, Philadelphia is the perfect place to call home for work and play.

The University offers a competitive benefits package that includes excellent healthcare and tuition benefits for employees and their families, generous retirement benefits, a wide variety of professional development opportunities, supportive work and family benefits, a wealth of health and wellness programs and resources, and much more.

Posted Job Title

Senior Bioinformatician

Job Profile Title

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Job Description Summary

The Gene Therapy Program (GTP) is entering a new era of unprecedented opportunity with the great potential to reshape the face of medicine as we know it. Our discoveries have set the stage for successful treatments and possibly even cures for devastating genetic diseases.

The laboratory of Dr. Jim Wilson, at GTP of the University of Pennsylvania, has been a leader in the development of innovative vector technology for close to three decades. We have emerged as the "go-to" organization for public and private partners, who want to participate in the gene therapy space. Currently, we are positioned to lead another round of vector innovation and establish pre-clinical and clinical proof-of-concept in therapeutic applications of in-vivo genome editing.

Continuation of all GTP positions is contingent upon funding.

Job Description

We are currently looking for a Senior Bioinformatician to manage requests for analyzing Next Generation Sequencing data and contribute to our analysis pipelines as we expand our sequencing capacity. The Nucleic Acid Technologies Core is a service group that specializes in providing sequencing services, data management and analysis support to GTP scientists. This role will lead the data science/analysis functions of the next generation sequencing data generated by the NAT-Core.

As a Senior Bioinformatician, you will collaborate and consult with internal scientists on the analyses of Next Generation Sequencing data. You will provide bioinformatics support including design and data analysis for projects to support and contribute to scientific peer reviewed publications. You will provide leadership and mentorship to the technical team for the experimental data analysis in assay development, troubleshooting, and sustaining support of existing pipelines. Also, you will keep up-to-date with relevant algorithm and software developments in the field, implement best practices in collaboration with NAT-Core leadership and bioinformatic resources and manage the pipeline development process.

Additional responsibilities include providing bioinformatics service, training and support to projects to GTP staff; manage and grow GTP's computational infrastructure as needed.

Qualifications:

- Master's Degree in bioinformatics, computational biology, or equivalent and 5 years of relevant experience working on bioinformatics projects in genomics, specifically next generation sequencing analysis. Ph. D. strongly preferred.
- A comprehensive understanding of biology and the application of bioinformatics methods in experimental design, assay qualification, and quality control is a must!
- Demonstrated success working in a collaborative, matrixed environment.
- Proficiency in programming languages such as python, C, R, Perl, Java, etc.
- Demonstrated experience in developing methods for analysis of experimental data in genomics and Next Generation Sequencing, with broad knowledge of bioinformatics algorithms, tools, and statistical methods.
- Strong UNIX/LINUX/HPC skills is required.

Job Location - City, State

Philadelphia, Pennsylvania

Department / School

Perelman School of Medicine

Pay Range

\$72,837.00 - \$138,391.00

Affirmative Action Statement

Penn adheres to a policy that prohibits discrimination on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status, or any other legally protected class.

Special Requirements

Background check required after a conditional job offer is made. Consideration of the background check will be tailored to the requirements of the job.

Internal: Senior Bioinformatician

Job Details

Job Requisition ID	JR00018059
Location	Translational Research Laboratories
Posting Date	03/03/2020 - 6 days ago
Job Family	Research (Staff)
Time Type	Full time
Job Type	Staff
Supervisory Organization	MED - DM-Gene Therapy Program (Joshua Sims (40104293))

Recruiter

Christina Bell (37651999)

Recruiter

Jennifer Royal-Fitch (64634990)

Recruiter

Jerome Adams (29868997)[C]

Hiring Manager

Joshua Sims (40104293)

Team Members