Junior Bioinformatician

ScitoVation is the premier startup company for scientists who want to explore cutting-edge research and make a significant impact in the toxicology industry. You will be part of a highly-sought-after team of thought leaders and collaborators who are dedicated to finding innovative solutions to assess the safety of chemicals and products. Our team is driven by using the best science in chemical safety to improve risk assessment and decision making for clients. We are also at the forefront of developing next generation new approach methodologies (NAMs) and spearhead the efforts required to get key-stakeholder buy in ranging from regulatory bodies to pharma organizations. It's an exciting time to join our organization with many companies prioritizing Next Generation Risk Assessment and few that deliver on its requirements. With a vision of being THE trusted source in chemical safety & assessment – while elevating human and environmental health and well-being, do you have what it takes to join our team and make your mark?

Job Overview:

ScitoVation is a small research and development team with the mission of developing and implementing approaches to revolutionize the way we understand the impact of chemicals on our health. We collaborate with companies---both Fortune 500 and smaller groups--to help with decision making about what chemistries are appropriate for their products. While animal testing is the de facto standard for establishing chemical safety, our team is building computational and cell-based methods for safety assessment that are more economical and more relevant to human health.

We are seeking a highly motivated junior Bioinformatician in the Computational Toxicology division (https://scitovation.com/services/technologies/toxicogenomic-or-pharmacogenomic-studies). The successful candidate will focus on analyses of genomic datasets with in-depth knowledge of data-handling and bioinformatic methods. This position will provide many opportunities for professional development and the acquisition of cutting-edge skills in translational genomics research, data analysis and interpretation.

Accountable for:

- Applies bioinformatics methods and run the analysis pipelines to process genomic data.
- Conducts various statistical analyses to discover relationships between genetic alterations and adverse health outcomes.
- Records all analysis steps in an accurate, timely and clearly presented manner, and use this to prepare data summaries.
- Performs literature reviews and prepares data visualization.
- Prepares conference and presents abstracts, posters and presentations.
- Provides scientific support to research collaborators.
- Contribute to the publication of relevant scientific articles, led by the senior bioinformatician.

Education and Experience:

- Bachelors with two years of experience or MSc degree in a relevant field (bioinformatics, applied mathematics, computational biology, molecular biology or a related discipline)
- Strong background with unix/linux tools and at least three years coding experience with Python, R or related data analysis languages. Please provide at least one example of an application or script that you have contributed to.
- Solid understanding of statistics, expertise in R Bioconductor package.
- Knowledge of NGS platforms is an asset, including datatype (FASTQ, BAM, VCF, MAF) and analysis tools.
- Experience in working with test-driven programming and version control (GitHub) is an asset.

Competencies and Behaviors:

- Excellent writing, organization, and verbal communication skills.
- Capable and comfortable with critically evaluating the ideas and work of themselves and of others.
- Detail conscious, organized.
- Excellent time management skills.
- Anticipate problems and implement mitigation strategies.
- Positive team player and collaborator.

Position Type/Expected Hours of Work:

This is a full-time position, and hours of work and days are generally Monday through Friday, 9:00 a.m. to 5 p.m. Work outside of normal hours will sometimes be required.

Travel:

Travel is not expected in this position.

Supervisory Responsibilities:

This role does not have supervisory responsibilities.

Other Duties:

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.
Only candidates selected for an interview will be contacted.