

Postdoc Position

Position Summary

Postdoctoral researcher position in Bioinformatics and Genomic Data Sciences are available at MedGenome Inc. to lead the analysis of large-scale human cancer genomics, population genomics and other disease-focused genomics datasets. The specific goals for this fellowship are to analyze genomic datasets and identify novel disease-causing genes, therapeutic targets, mutations and pathways across various disease areas including rare diseases, cancer and neurodegenerative diseases. Candidates with a strong interest and/or background in genomics, bioinformatics and interest in exploiting the potential of human genetics to gain fundamental insights into the biology of disease. Postdocs candidates will work in a stimulating, supportive, interactive environment and train to become independent scientists. You are expected to present your results at internal and external meetings and also publish your findings in peer reviewed journals. Some of our recent publications in *Nature* (December, 2019), *Journal of American College of Cardiology* (August, 2020), *Scientific Reports* (November, 2020), *Communications biology* (2021) and *Scientific Reports* (June, 2021).

Who you are

You must be an independent, motivated, creative and enthusiastic individual with a background in genomics/genetics, computational biology, or other relevant life sciences disciplines. You are expected to apply your technical skills to the analysis of high-through genomic datasets by leveraging existing software. Experience in the analysis of genotyping data, whole genome/exome sequencing, RNA-seq, and single cell RNA-seq is preferred. You have excellent interpersonal communication skills and are expected interact work across scientists from multiple functional groups.

About us

MedGenome Inc. is a leading genomics-driven research and diagnostic services company. Our mission is to improve global health by decoding the genetic information contained in an individual's genome. We are dedicated to accelerating scientific discovery, as well as to developing and delivering innovative solutions for basic research, translational medicine and healthcare by leveraging our deep expertise and experience in biology and bioinformatics. Our unique access to genomics data with clinical and phenotypic data enables us to provide insights into complex diseases at the genetic and molecular level to facilitate research in personalized healthcare.


Anticipated Start Date: ASAP

Qualifications And Experience

- PhD in bioinformatics, computational biology, genomics or biology with a strong interest in large scale data analysis.
- Demonstrated previous research experience through a minimum of one first-author publication in a high-impact journal.
- Working knowledge of emerging approaches to best utilize human genetics data for disease gene identification, quantitative trait analysis, multi-phenotype analysis, or genetic risk score methodologies.
- Demonstrated experience in using Next generation sequencing pipelines and other 'omics data analysis platforms (bulk or single-cell RNA-seq, WGS, WES, etc) and familiarity with best practices for analyzing genomics data.
- Experience programming in Python, Perl, Java and/or R or experience in wet lab skills with a desire to learn programming and apply it to analyze large scale data sets
- Experience using Linux command-line tools and writing shell scripts.
- Knowledge of the key public reference databases for human diseases and clinical genetic variation data (OMIM, dbSNP, ClinVar, ExAC, etc).
- Experience using high-performance computing environments and cloud services/management systems.
- Experience analyzing, troubleshooting and problem-solving technical issues involving complex data.
- Excellent communication skills with an ability to summarize results verbally and in written form.
- Present findings at both internal and external meeting
- Excellent writing skills and be able to write primary papers is required
- Ability to multitask while being detail-oriented is expected.


Please email us at research@medgenome.com (use subject: Postdoc position)

Get in touch

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 <https://research.medgenome.com/>

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