

Bioinformatics Analyst

About the Job

The ideal candidate will have advanced knowledge of next-generation sequencing technologies with demonstrated practical experience in developing and carrying out analytical strategies in the context of NGS applications of critical importance to microbiology research (e.g. bulk genome analysis, allele-specific expression analysis, variant calling, genome assembly and annotation, etc.).

Qualifications

Required Qualifications

- Doctorate in the life sciences, computer science or engineering and significant bioinformatics experience.
- 3+ years of research experience in genomics, genetics, molecular biology or computational biology.
- Hands-on experience in developing and carrying out data analytical strategies and pipelines for analyzing datasets from high-throughput platforms such as next generation sequencing.
- Experience/general proficiency with UNIX shell environment, a programming language (R and/or python), plus currently used tools (e.g. BWA, HISAT2, GATK, Seurat, etc.).
- Ability to understand and translate life scientist researchers' scientific goals into analytical strategies and process requirements.
- Ability to function as an interactive team member and self-motivation
- Critical and independent thinking.
- English communication skills (speaking, writing, reading) and interpersonal skills.

Desirable Qualifications (familiarity with or interest in)

- evolutionary genomics
- comparative genomics
- fungal biology
- microbial pathogenesis

Please send the following to fungaltolerance@gmail.com

A current CV,
Your list of publications
your GitHub profile; and/or an example of coding you have done.