



Job Posting: PhD Scholarship Student for Industrial Science Research

Menlo Park, CA / Daejeon, South Korea

We are seeking a scholarship student for industrial science research who is committed to delivering scalable results. Everyone's genomes are different, but how much different is not yet well understood. We will apply cutting edge genomics tools to whole genome sequencing data from the UK 100,000 genome project. This involves many different types of genomics analysis such as single nucleotide variation, insertion/deletion, copy number variation and so on. We will investigate how these common/private genomic variations play role in disease development.

Key Responsibilities:

- Coordinated application of novel computational analysis and biological interpretation approaches
- Seek out, test, and implement novel bioinformatic tools to analyze and interpret NGS data, including integration with other public genomic datasets such as TCGA.
- Develop and maintain NGS data processing pipelines.
- Implement the analysis pipelines on cloud system such as AWS
- presentation and reporting of methods, results and conclusions in organized format.

Requirements:

- Bachelor's or Master's degree in biology, biochemistry, genetic engineering, molecular biology, bioinformatics, or clinical pathology or related scientific discipline.
- M.S. with relevant experience required or currently pursuing PhD doctorate.
- Professional experience in biology, genetics, bioinformatics, NGS.
- Hands-on proficiency with advanced laboratory instrumentation and automation is required.
- Resourceful, can-do attitude that couples scientific rigor with exceptional time management skills and demonstrated commitment to consistent delivery of impactful results.
- Excellent communication, critical thinking and creative problem-solving skills combined with a growth mindset that embraces continuous learning to bolster exceptional performance.
- Demonstrated aptitude for leveraging innovation to attain important goals and leading by example to foster a culture of technical excellence and productivity.
- Proven ability to work with an interdisciplinary team to achieve technical and corporate milestones.
- Current U.S. work authorization.
- Three-year commitment following PhD program.