



YOUSEQ
DETECT MORE

SENIOR BIOINFORMATICS SCIENTIST

£30-50k per annum + profit share scheme + endless opportunity

YouSeq is a new biotechnology start-up. We make molecular testing kits that are used in hospitals and labs around the world to help fight COVID19, cancer and other diseases.

We are looking for an ambitious individual to grab an opportunity to make a name for themselves in our business as it grows. The successful candidate will play a significant role in the business leading the Bioinformatics department and develop talent in the team as a whole.

The ideal candidate will have a Bioinformatics/ Biological science degree with 5+ years of relevant experience in a molecular biology environment. They will have a proven track record of developing and delivering NGS projects on time and budget.

YouSeq is a start-up and this role comes with all the fun that that brings. You will have free use of our new arcade machine in your spare moments.

Major Responsibilities:

- Design assays for custom targeted sequencing panels
- Understand the core scientific questions and design assays to best address these questions
- Develop, maintain, and operate bioinformatics pipelines and UX for assay design, data mining and analysis
- Improve the designs by iterative analysis of the sequencing data obtained. Develop rules, optimisation, and algorithms to improve the design pipeline
- Analyse sequence data and mine public databases for sequence content
- Collaborate closely with the team to manage customer expectations and product development
- Work closely with customers to understand and provide the best design solution that meets their needs

Skills/Knowledge Requirements:

- Experience working and developing bioinformatics production systems
- Experience in Perl / Python programming, shell scripting, SQL and R would be desirable
- Hands-on experience with the relevant sequence analysis tools; an excellent understanding of genomic databases and their annotations (GenBank, RefSeq, ENSEMBL, dbSNP, UCSC genome browser etc); a good understanding of the biology behind genotyping, gene expression profiling, comparative genomics and genetic mapping; an appreciation of the use of statistical methods and mathematical models in the interpretation of biological data
- Working knowledge of Workflow Management Systems such as Nextflow or Snakemake
- Working knowledge of containerisation technology such as Docker
- Strong communication and organisation skills

Essential attributes/qualifications

- 5+ years Bioinformatics experience
- Deep knowledge of NGS data analysis
- Strong leadership and people skills

Desirable

- PhD or MSc Bioinformatics/ Biological science
- ISO 13485 QMS experience

If you would like to apply, please forward a covering letter and CV to hello@youseq.com