



Bioinformatician

LifeArc is a medical research charity with a 25-year legacy of helping scientists and organisations turn their research into treatments and diagnostics for patients. We are pioneering new ways to turn great science into greater patient impact at LifeArc. We do this by bringing together a network of partners to tackle specific diseases and by funding academic and early stage research.

Job Summary

We are looking to recruit an outstanding bioinformatician to join our expanding Antibody Discovery team based in Stevenage. The successful candidate will have the leading role in the bioinformatic development of the antibody discovery platform for antibody repertoire analysis and lead candidate selection. You will have the opportunity to analyse large data sets and influence the development of the company's technology strategy moving forwards. Our work is project-oriented, leading to coordinated efforts with much communication, towards common objectives in getting therapies and diagnostics to patients.

The role

You will join a collaborative environment at our Centre of Therapeutic Discovery (CTD) division at Stevenage comprising around 80 scientists to become the core member of our small but expanding bioinformatics group. Your main responsibility will be development, refinement and integration of the next-generation sequencing analysis pipelines and antibody repertoire analysis tools into our laboratory information management system (LIMS) and to other elements of the existing informatics system. Furthermore, using the large datasets generated across multiple research projects, you will develop novel algorithms, analytical tools, and in-silico methods for mining and analysing antibody sequence and screening assay data. You will be also expected to efficiently communicate, advise and work closely with our wet-lab scientists across multiple projects.

About you

You will be keen on developing strategic bioinformatics capability, but also show immediate commitment to hands-on planning, implementation analytic tools for lab-based projects, working in the biotech/biopharma industry, with importance placed on next-generation sequencing (NGS) technologies, tools and processing pipelines. You will have at least three years of programming experience (R, Python or Perl and scientific workflow systems e.g. knime), Linux (bash scripting) as well as proficiency in the use of relational databases (SQL) e.g. Oracle, Postgres or SQL server (noSQL experience would be beneficial as well). You will have PhD, MSc, or BS in Bioinformatics, Computational Biology, or related field discipline. Experience with antibody repertoire sequence analysis, or antibody discovery is highly desirable.

Salary

Your salary will be determined by qualifications and experience. In addition, LifeArc offers a defined contribution pension scheme, private health insurance, a flexible benefits scheme, 31 days paid holiday per year.

LifeArc is committed to the principles and practices of equal opportunities and to encouraging the establishment of a diverse workforce. It is our policy to employ individuals on the basis of their suitability for the work to be performed and their potential for development, regardless of age, sex, race, colour, nationality, ethnic or national origin, disability, marital status, pregnancy or maternity, sexual orientation, gender reassignment, religion or belief. This includes creating a culture that fully reflects our commitment to equal opportunities for all.

To apply please email your CV and covering letter explaining why you want to work for LifeArc to: adam.rudman@lifearc.org or by post to Recruitment, LifeArc, Accelerator Building, Open Innovation Campus, Stevenage, SG1 2FX (electronic applications preferred).

Closing date: 13th December 2019