

MOLECULAR BIOLOGIST - RESEARCH ASSISTANT

Job Reference: RASEQ
Posted: May 2019

Location: London
Weekly Hours: 40

The Role

At DNAe we have a great team consisting of dedicated and able scientists and we are looking to hire an additional talented Research Assistant to support the development of our DNA sequencing technology.

The role is focused on adapting NGS chemistries to much simpler, targeted workflows than are currently possible: sample in / NGS results out, in a clinically meaningful timeframe.

You will be working in a multi-disciplinary team engaged in developing the company's revolutionary NGS products for point-of-need diagnostic applications. This comprises a mixture of electrical engineering, molecular biology, chemistry, mechanical design, software, bioinformatics and product design.

Responsibilities

The successful candidate must demonstrate experience of modifying standard procedures for custom applications, particularly relating to sequencing library and template preparation.

You will draw on your past experience of molecular diagnostic and NGS platforms to assist with the development and integration of modules of a novel nucleic acid analysis platform. It is essential that you can quickly understand the challenges involved in the optimisation of key workflow components, and contribute to their solutions.

You will be tasked with:

- Supporting technology development, including development of molecular biology and biochemistry modules and transfer to cartridge-based workflow
- Routine testing, debugging and maintenance of laboratory equipment
- Generation of data to support key business decisions
- Effective management of required documentation in accordance with ISO 13485 certified quality management system

Person Specification

It is essential that you do not think of your development work in isolation, but rather enjoy communicating, identifying and solving problems collaboratively with colleagues outside of their immediate area of expertise

A multidisciplinary mindset is crucial, as communication with a variety of individuals from a diverse range of backgrounds will be required. Any previous experience with electronic and mechanical engineering, microfluidics and/or industrial design would be beneficial.

We are looking for people with drive and enthusiasm; who want their innovation and hard work to contribute to the creation of a paradigm shift in clinical care. You will strive for exceptional results, in a fast-paced environment.

Qualifications & Experience

Required:

- BSc, MSc in Molecular Biology, Biochemistry, Biomedical, or related discipline.
- Familiarity with standard molecular biology techniques such as qPCR, including primer design.
- Product development or assay development experience based on PCR or NGS based analysis systems.
- Knowledge and hands-on experience of NGS workflows
- Pragmatic, with excellent problem solving and analytical capacity.
- Great administrative, organisational, communication and interpersonal skills.
- Responds positively to intellectual and time challenges

Desirable:

- Experience with surface phase DNA amplification techniques and assay development.
- Workflow development experience of IVD or NGS systems
- Effective working in a multidisciplinary team
- Microfluidics, cartridge or instrument development experience
- Experience of cancer diagnostics or NGS sequencing applied to oncology
- Experience working with Biosafety Category 2 certified micro-organisms

Location

DNA Electronics is based in West London at White City, London, UK

Apply

If you believe you meet the above criteria and would relish playing a key role in developing a revolutionary technology, we would be delighted to hear from you.

We offer a competitive compensation package to successful candidates.

Please email your CV, covering letter, availability to interview and start, your salary expectations and your visa requirements (if relevant) to: careers@dnae.com quoting

Your name and the job title in the subject line.

For more information about DNAe, please visit our website www.dnae.com
