DNAe
LIVE DIAGNOSTICS

Research Associate/Senior Research Associate
White City, London

The Role
DNAe, the inventors of semiconductor-based next-generation sequencing (NGS) technology, is developing a revolutionary new platform that enables NGS-based diagnostic capability in an easy to use, cartridge-based system that will allow direct from clinical specimen to clinically relevant, actionable results in a matter of hours.

We at DNAe are currently looking to hire outstanding scientific talent to join the existing multi-disciplinary NGS platform development team, filling key roles in the rapidly expanding program.

The specific role described here is Research Associate or a Senior Research Associate, depending on level of experience, for the technology development on DNAe's Next Generation Sequencing platform.

Primary responsibilities

- Support NGS technology development, including development of molecular biology and biochemistry modules and transfer to cartridge-based workflow
- Design and execute laboratory experiments in a timely manner with guidance from manager
- Provide detailed descriptions of experiments, complete analyses of data, and suggest conclusions and next step
- Identify technical issues as they occur and troubleshoot with oversight from the manager
- Participate in the integration of the assay chemistries into the automated engineering modules
- Effective management of required documentation in accordance with company quality management system and ISO 13485 standards
- Input into independently resolving technical problems encountered during experiments

The successful candidate will be responsible for NGS library preparation and sample preparation technology development for DNAe's proprietary semiconductor sequencing.

The developed chemistry must be compatible with cartridge-based automation and performance must meet the requirements of the novel DNAe NGS platform.

Person Specification

- It is essential that the candidate should not think of their work in isolation, but rather enjoy communicating, identifying, and solving problems collaboratively with colleagues outside of their immediate area of expertise.
- We are looking for candidates with drive, enthusiasm and a good work ethic.
- Candidate will have the ability to deliver effective solutions to challenging problems in a fast-paced environment with adherence to tight timelines.
- The successful candidate will be an excellent team player who interacts well with a variety of colleagues within and outside their area of expertise.
- Is a strong and proactive communicator and is willing to step in and take on additional responsibilities as they arise, even those outside the normal scope of responsibilities, in order to help achieve timely success of the project.

Qualifications and experience

Education:
BSc, MSc in Molecular Biology, Biochemistry, or related discipline
Skills:
- Proficiency with standard molecular biology, biochemistry techniques
- Ability to design, troubleshoot, perform and analyse experiments
- Ability to generate high quality experimental output and analysis
- Pragmatic, with excellent problem solving and analytical capacity
- Responds positively to intellectual and time challenges
- Great administrative, organisational, communication and interpersonal skills

Experience desired (but not all essential):
- Experience with standard molecular biology techniques such as DNA/ RNA extraction, PCR, qPCR, ddPCR, capillary/ agarose gel electrophoresis, magnetic bead-based techniques etc
- Successful modification of standard procedures for custom applications, developing new methods or troubleshooting protocols
- Knowledge of NGS workflows, primarily on the sample preparation/ NGS library preparation methods
- Experience in developing NGS workflow
- Experience in the integration of assay chemistry into the automation platform
- Experience working in a multi-disciplinary team

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, making a note of your salary expectations and availability in the email to: **careers@dnae.com**