

## Senior Scientist, New Application Research Team

White City, London

### The Company

DNAe, the inventors of semiconductor-based next-generation sequencing (NGS) technology, is developing a revolutionary new NGS-based diagnostic platform in an easy-to-use, cartridge-based system designed to generate a clinically actionable result direct from clinical specimen, in a matter of hours.

We are currently looking to hire outstanding scientific talent to join the multi-disciplinary NGS platform development team.

### Responsibilities

The successful candidate will be a lead member of the Oncology Team, reporting to the team's manager and responsible for a subset of the team deliverables towards the development of a novel oncology sequencing technology. The developed processes must be compatible with cartridge-based automation and performance must meet the demanding requirements of our novel DNAe Oncology NGS platform.

Senior Scientists are responsible for proactive interaction with other cross functional teams (including biochemistry, engineering, and bioinformatics) to ensure effective communication, proper alignment of input/output requirements and successful development and integration of the oncology sequencing protocol and chemistries into the automated workflow.

You will be tasked with:

- Performing laboratory experiments for technology development, involving molecular biology and biochemistry skills, and transferring results to a novel cartridge-based workflow.
- Independently driving scientific studies across multi-disciplinary team environment, setting goals, and determining future experiments.
- Performing extensive literature research, patent search to support one's own work.
- Providing scientific leadership and management of junior staffs, as and when needed.
- Recommending/ implementing innovative approaches, analysing experimental data, and suggesting new strategies for the team.

### Person Specification

You will have drive, enthusiasm and a solid work ethic, with a strong desire to play a key role in the creation of a paradigm shifting platform, that will have major impact on the health and wellbeing of patients around the world.

The successful candidate will demonstrate experience of developing novel and modifying standard procedures for custom applications, particularly relating to DNA amplification, sequencing template preparation, and sequencing technology development.



You will draw on your experience of molecular diagnostics and NGS platforms to assist with the development and integration of a novel NGS oncology platform.

You will deliver effective solutions to challenging problems in a fast-paced environment. You will be a team player who interacts well with your colleagues. You will bring a can-do attitude towards building technology from scratch within a defined timeframe and be a strong and proactive communicator.

### **Qualifications & Experience**

#### **Required**

- EITHER PhD in Chemistry, Biochemistry, Molecular Biology or related field OR BSc in Chemistry, Biochemistry, Molecular Biology or a related field with extensive relevant industrial experience.
- In depth knowledge of NGS workflows.
- Broad experience in developing molecular analysis technologies.
- Experience or the capability to manage junior staffs.
- An innovative and pragmatic mindset, with excellent problem solving and analytical abilities.
- Effective administrative, organisational, communication and interpersonal skills.
- A positive attitude towards intellectual and time challenges.

#### **Desirable:**

- Direct NGS laboratory experience.
- Experience in developing molecular biology workflow in microfluidic device.
- A background in the development of molecular diagnostic products for commercially relevant applications.
- Experience interacting with disciplines that may be outside of the candidate's area of expertise, such as engineering, software development and bioinformatics.
- Demonstrable creativity and innovation ideally evidenced by patent filings and relevant publications.

To apply please email your CV and salary expectations to [Careers@dnae.com](mailto:Careers@dnae.com) quoting that you saw the role on LinkedIn.

Candidates will have the right to work in the UK and we will not be accepting recruitment agency CVs on this occasion.