Job title: **Senior Scientist / Postdoc (Life Sciences)**

Reports to: **Chief Executive Officer**

Salary: **$90k -$110k**

Employment: **Full time, start date 1 Sept 2021 (flexible)**

How to apply: Please send a CV and cover letter to lab@nucleotrace.tech

About Nucleotrace

Nucleotrace is a start-up out of the University of Cambridge, UK, and is now based in Collingwood, Melbourne. Nucleotrace has developed next generation DNA barcoding technology that monitors the movement and use of products over their entire lifecycle. We utilise several advanced biochemical techniques including isothermal RPA amplification chemistry, Oxford Nanopore DNA sequencing, and advanced soft-encoding approaches to write information into synthetic DNA. Together, the Nucleotrace platform allows a product's history to be rapidly recovered and validated at any point in the product lifecycle.

Nucleotrace technology has widespread applications for pharmaceutical organisations and defence forces. In June 2019, Nucleotrace was accepted onto the US FDA and EU EMA Emerging Technologies Programs. In March 2020, Nucleotrace was awarded a contract with a large Commonwealth Government department to track specialised products. For more information on potential applications, please see our Pharmaceuticals Explainer Animation.

We are a small dynamic team with diverse backgrounds in biotech, information theory, software engineering and business management. This position will provide the successful candidate exposure to the fast-paced world of a biotechnology start-up, including access to cutting edge technology and ongoing projects with industry leaders. We celebrate diversity and are committed to creating an inclusive environment for all employees as we continue to expand.

Position

We are hiring an enthusiastic Senior Scientist (postdoc equivalent) to help execute our research program. This is a dynamic 'hands-on' role that will incorporate your skills in experimental design, planning, data analysis and bench work. This position would suit a recent PhD graduate or early career researcher. Excellent opportunity for early career researcher looking beyond academia.

Requirements and expertise

- PhD in relevant life science (biochemistry, molecular biology, synthetic biology, microbiology) or equivalent experience.

- Experience working with DNA is required. Familiarity with standard techniques used to manipulate DNA in a laboratory environment including quantification, amplification, visualisation, qPCR, etc.

- Excellent laboratory skills including the planning, execution and documentation of experiments and handling of large data sets.

- Written and communication skills. The position will require keeping experimental records, writing reports and clearly conveying results to the team and clients as required.

- Australian, US, UK, Canadian or NZ citizenship. Nucleotrace's clients and research partners require that all of our employees obtain relevant security clearances.

Favoured technical skills

- Experience with the Oxford Nanopore DNA sequencing platform or other next generation sequencing platforms.

- Experience in bioinformatics or computational biology.

- Proficiency with relevant software including Python, R, Microsoft Suite.

Personal skills and experience

- Personal skills. Confidence, versatility and awareness. The successful candidate will be interacting closely with the Nucleotrace team, including the CEO, Head Scientist and software development team. They must be able to respectfully defend their point of view from first principles.

- Curiosity. The successful candidate should be intellectually curious and have a broad interest in technology.

- Experience. PhD graduates and/or early career researchers (postdocs) with backgrounds in either academia or industry are encouraged to apply.