

Senior Scientist (Bioinformatics, Life Sciences)

Reports to: CEO

Salary: \$100k - \$130k

Employment: Full time, starting 1 Feb 2023.

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.

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 with experience in bioinformatics to manage and execute our research on DNA encoding systems. As a start-up company, the Senior Scientist will need to be agile in their performance of different roles and responsibilities. This is both a technical and management role that includes bioinformatics and coding (60%), experimental design (20%) and overseeing subcontracted external research projects (20%). The role has some flexibility to suit the strengths of the applicant.

Qualifications and requirements

- **PhD degree.** PhD in relevant life sciences (bioinformatics and molecular biology/ biochemistry/ synthetic biology, or similar).
- **Coding skills.** Proficiency in one or more coding languages (Python, R, Linux, C etc). Experience in analysing genetic sequencing data is a must.
- **Experience working with DNA.** Familiarity with standard techniques to manipulate DNA in a laboratory environment including quantification, amplification, visualisation, etc.

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- **Excellent laboratory skills.** Including the planning, execution and documentation of experiments and large data sets.
- **Written and communication skills.** The position will require keeping experimental records, writing reports, presenting to clients, and managing external research projects.
- **Work location.** Candidates must be available to work on-site in our Melbourne labs.
- **Right to work in Australia.** All applicants must be Australian citizens or Permanent Residents.
- **Other preferred technical skills.** Hands on experience with the Oxford Nanopore DNA sequencing platform or other next generation sequencing platforms.

How to apply

Please apply to lab@nucleoTrace.tech by **Friday 2 Dec 2022** with the following:

- CV with key educational, academic and professional achievements.
- 1-2 page cover letter addressing the position requirements and outlining why you think you would be an outstanding candidate for the role.