

**VACANCY – SCIENTIST**

About Enhanc3D Genomics

Enhanc3D Genomics is a functional genomics spinout company from the [Babraham Institute](http://www.babraham.ac.uk/) (Cambridge, UK) leveraging a disruptive technology to profile three-dimensional (3D) genome folding at high resolution. Understanding DNA organisation and long-distance interactions allows to link gene enhancers and non-coding genetic variants to their target genes and holds promise to unlock disease-related genetics for therapeutic discovery.

<http://enhanc3dgenomics.com/>

Role Description

Enhanc3D Genomics is an innovative and dynamic company with diverse and highly engaged staff. We believe in fostering great teamwork to maximise our collective skills and experience. We are passionate about realising the power of 3D genomics by developing new cutting-edge technologies for therapeutic discoveries.

We are looking for a forward-thinking, enthusiastic, highly motivated laboratory-based **Scientist** to join the technology team currently developing cutting-edge technologies to assay 3D genomic conformations. Enthusiasm and passion to deliver a high-quality finished product are keys to this role. The ideal candidate will have a desire to work in the laboratory, running samples and developing cutting-edge technologies for therapeutic discoveries. They will have expertise in molecular and cell biology techniques, ideally including next-generation sequencing, epigenetics and data analysis, as well as a strong desire to work in a fast-paced and stimulating environment.

You will be involved in collaborative projects with academic and commercial research groups to deliver high-quality data reports and develop technologies and ideas, contributing to our IP portfolio. You will be flexible and keen to support the technology development while championing quality in all aspects of your work.

You will be an organised and competent professional with exceptional interpersonal and communication skills, enabling you to successfully operate in a business environment where confidentiality and discretion are of paramount importance.

**Key** **accountabilities**

* Develop PCHi-C library generation protocols
* Run internal and collaborative samples
* Perform QC using different methods (fluorometry, spectrophotometry, electrophoresis etc.)
* Design experiments
* Develop QC standards and introduce quality metrics
* Troubleshoot all aspect of the in-house pipeline
* Liaise with, and support projects with, academic collaborators and industrial partners
* In collaboration with the data science team build a ‘tissue atlas’ database for research and development purposes
* Write SOPs, risk assessments, and work instructions
* Produce reports for internal research and external collaborations
* Work across departments and proactively engage in knowledge sharing and peer support, including training of laboratory technicians and scientists
* Champion H&S and quality compliance within the team
* Discuss scientific findings and provide written and verbal project progress reports and updates
* Flexibility to perform other duties which may be required

**Qualification and Skills**

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| Essential | Desirable |
| PhD and 2+ years postdoc in a biology-based discipline such as genetics, molecular biology or biochemistry, or equivalent experience with formal training | 2+ years industrial experience |
| Demonstrable expertise in molecular biology techniques including DNA amplification, purification, quantification and enzymatic modification | Experience with and understanding of Hi-C, targeted capture  Experience with Next-Generation library preparation and sequencing platforms  Experience with automation platforms and processes  Experience with gene editing methods such as CRISPR/Cas9 |
| Demonstrable expertise in cell biology | Experience with human primary cells  FACs sorting of cells |
| Ability to design experiments, problem solve, troubleshoot and assess technology performance | Demonstratable experience of innovation and development of cutting-edge technologies  Proven experience of working in a fast-paced research-driven commercial environment or in collaboration with industry |
| A social personality that contributes to an open, positive, collaborative working climate, and a strong desire for personal and professional development  Excellent oral and written communication skills | An understanding of IP, quality standards |
| Excellent organizational and record keeping skills | Technical understanding of data processing methods and/or handling of large datasets |
| An understanding of health and safety practices and policies |  |

To apply for this position, please submit your CV and a covering letter to [hr@enhanc3dgenomics.com](mailto:hr@enhanc3dgenomics.com)