VACANCY – Scientist

About Enhanc3D Genomics

Enhanc3D Genomics is a functional genomics spinout company from the Babraham Institute (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, and technically skilled **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 expertise in molecular and cell biology, next-generation sequencing, epigenetics 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, 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

- Perform DNA extraction, DNA/RNA quantification and QC using different methods (fluorometry, spectrophotometry, electrophoresis, size, etc.)
- Hi-C library generation
- RNA/DNA NGS library preparation
- Culture cell lines to keep sufficient supply for R&D projects
- Assist in experiments design
- Understand company objectives and help in coordination of the day-to-day

laboratory activities. Report on issues where appropriate. Share good practice.

- Help to build and steer the development of 'small' prototype tools for bench scientists to access and visualise project data exploring non-traditional approaches to bring big data together in biologically meaningful ways
- Help to 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
- Help to draft, review, and optimise SOPs and associated Risk Assessments to ensure maximum efficacy.
- Trial new reagents/equipment where applicable
- Monitor laboratory resources, re-ordering where necessary to ensure stock levels are maintained
- Samples and libraries submission for processing and sequencing, to use a database to track the progress of samples throughout the whole process
- Provide technical advice and guidance to less experienced team members where applicable
- Champion H&S and quality compliance within the team
- Flexibility to perform other duties which may be required

Required Skills and Abilities

- Ability to test and implement new approaches and techniques
- Ability to work independently and within a group but be able to recognise when to seek help
- Excellent oral and written communication skills and ability to keep good records
- Able to collaborate with industry and academia
- Good understanding of Laboratory Health and Safety

Qualification and Experience

- Biological degree with relevant laboratory experience
- Experience in a wide range of molecular biology techniques including DNA/RNA extraction, quantification, amplification, purification
- Experience with Next-Generation Sequencing platforms and library preparation
- Preferable experience with and understanding of Hi-C, targeted capture, HiChIP, RNA-Seq, ATAC-Seq
- Experience using cell culture techniques
- Proven experience of working in a fast-paced research-driven commercial environment or in collaboration with industry

To apply for this position, please submit your CV and a covering letter to Ann Rone at hr@enhanc3dgenomics.com