**JOB DESCRIPTION**

**SENIOR SCIENTIST FUNCTIONAL GENOMICS**

**COMPENSATION:**     Competitive with share options available
**LOCATION:**     BioEscalator, Old Road Campus, Oxford
**HOURS:**     Full-time
**CONTRACT TYPE:**     Permanent

**NUCLEOME THERAPEUTICS**, a fast-growing biotech start-up that is leveraging a proprietary gene regulation platform, based on a decade of world-leading research from Oxford University, to unlock the non-coding genome for drug target discovery and development.

We are building a passionate, creative and dedicated multi-disciplinary team of scientists with expertise in gene regulation, genomics, machine learning, drug discovery and software development, whose mission is to decode and mine the regulatory "dark matter" of the human genome to transform drug target discovery and help deliver the next generation of genetically guided therapeutics. We are building a rewarding and fun environment where people embrace creative ways of thinking, take smart risks, and feel empowered to make a difference.

We are seeking a **Senior Scientist with expertise in Functional Genomics** who is a self-starter, proactive and would like to work in a dynamic environment of a start-up. The successful candidate will investigate the regulation of the non-coding genome in lymphocyte subsets (initially) using state of the art genomics approaches whilst also developing new ones. You will collaborate closely with other experimental and data scientists to guide drug target discovery efforts. As an independent thinker you will plan and implement experiments, interpret the data, and distil complexity into concise communication, while providing scientific coaching and mentorship for less experienced team members. You will have an integral role in the venture, take ownership of the work and demonstrate an exceptional work ethic towards discovering breakthrough medicines that will improve patients' lives.

**WHAT WE ARE LOOKING FOR**

**EXPERIENCE/SKILLS:**

- PhD in biological discipline, or MSc and demonstrable experience in the fields above.
- Demonstrable experience in Next Generation Sequencing (NGS) library preparation and sequencing.
- Demonstrable experience in one or more of the following assays: ATAC-seq, ChIP-seq, RNA-seq and 3C based assays.
- Demonstrable technical expertise in basic molecular biology techniques.
- Familiarity with web-based interfaces for genome analysis.
- An enthusiasm for and demonstrable knowledge of the key questions and recent developments in gene regulation, epigenetics and the genomics field.
- Ability to design research project plans including short-term and long-term experimental plans, needs assessment, prioritise follow-up studies (timelines, costs, deliverables).

- Ability to design and run experiments, interpret data, troubleshoot, and suggest next steps and identify alternative approaches.
- Ability to develop and improve new skills and knowledge necessary to successfully support assigned projects
- Proven ability to set up and optimise complex molecular techniques.
- Ability to work independently as well as thrive working in a multidisciplinary team.
- Strong communication skills and ability to communicate complex ideas to specialists and non-specialists.
- Flexible and co-operative approach to colleagues.
- Strong organisational and time management skills; ability to work on multiple projects simultaneously, as well as ability to prioritise and balance competing demands.
- Ability to deliver high-quality, consistent results in a timely fashion.
- A positive "can-do" and result oriented attitude, with openness to new ideas and ability to work flexibly in a highly dynamics environment.

**PREFERRED EXPERIENCE:**

- Experience in pharmaceutical/biotech industry.
- Understanding of drug discovery and development processes.
- Proficiency in working in a UNIX based computational environmental.
- Track record of working with genomics data, such as RNA-seq, ChIP-seq, DNase-seq, ATAC-seq, Capture-C.
- Ability and willingness to manage people and projects.
- Experience in development of NGS analysis pipelines for large numbers of samples.
- Familiarity with genetic engineering of cells.
- Experience supporting and collaborating with computational scientists.
- Knowledge and experience in GLP standards.

To apply please send us your CV at careers@nucleome.com. If you know someone who could be a good fit, please share this posting with them.

At Nucleome Therapeutics equality, diversity and inclusion are really important to us. We welcome applications from all candidates irrespective of age, disability, gender, gender identity, sexual orientation, race, religion or belief, or marital or civil partnership status.