

JOB DESCRIPTION

SCIENTIST / SENIOR SCIENTIST, IMMUNOLOGY (NGS)

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, data analysis 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 hands-on **Scientist / Senior Scientist with expertise in Immunology and 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 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. You will provide significant conceptual input into experimental design and analysis plans and engage in cross-functional discussions. You will have an integral role in the venture, take ownership of the work and demonstrate an exceptional work ethic.

WHAT WE ARE LOOKING FOR

EXPERIENCE/SKILLS:

- PhD in biological discipline, or MSc and demonstrable experience in the fields above.
- Demonstrable experience in cellular and molecular biology.
- Technical expertise in primary cell culture, immunofluorescence and multi-parameter FACS analysis to prepare cell subsets from blood and using it in primary assays.
- Good working knowledge of Prism/FlowJo and a solid experience with FACS analysis.
- Demonstrable experience in Next Generation Sequencing (NGS) library preparation and sequencing.
- An enthusiasm for and demonstrable knowledge of the key questions and recent developments in cellular and molecular pathways relevant to immunology and inflammation.
- Ability for designing research projects including short-term and long-term experimental plans, needs assessment, planning, follow-up studies (timelines, costs, deliverables).
- Proven ability to set up and optimise complex molecular techniques.
- Ability to design and run experiments, interpret data, troubleshoot, and suggest next steps.

- Ability to develop and improve new skills and knowledge necessary to successfully support assigned projects.
- 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 results oriented attitude, with an openness to new ideas and ability to work flexibly in a highly dynamics environment.

PREFERRED EXPERIENCE:

- Experience in pharmaceutical/biotech industry.
- PhD in Immunology, Immuno-oncology or related discipline; or BSc/MSc and demonstrable experience in the fields above.
- Understanding of drug discovery and development processes.
- Ability and willingness to manage people and projects.
- An enthusiasm for and demonstrable knowledge of the key questions and recent developments in gene regulation, epigenetics and the genomics field.
- Computer programming or bioinformatics skills would be very advantageous but not required.
- Demonstrable experience in RNA-seq, ChIP-seq, DNase-seq, 3C based assays and track record of working with genomics data.
- 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 is 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.