

Scientist in Molecular Biology at Sania Therapeutics

Sania Therapeutics is looking for talented and motivated scientists to accelerate development of our novel therapeutics.

Location	Waterfront Building, Hammersmith, London, W6 9RH
Application reference	SRX2406-MB
Application closing date	Until filled.
Contract type	Full time
Contact	Isaac Smith at Isaac@singular talent.io
Start date	ASAP

BACKGROUND

Sania Therapeutics ('Sania') is an innovative biotechnology company charting a new course in precision therapies for prevalent disorders. We are developing targeted and controllable AAV gene therapies that are translatable, safe, and cost-effective, capable of treating millions of patients. Our approach harnesses the circuits of our nervous system as an access point to treating a breadth of diseases with high unmet medical needs. We are initially focused on developing treatments for neuromuscular and neuromotor diseases with the plan to expand into further indications in the near future.

Our team is made up of academic and industry experts in medicine, neuroscience, and drug development, and we are looking to expand our talent.

WHY SANIA?

You will get to work in a highly innovative environment where our team feel empowered to be their best selves, and where we work together to build both cutting-edge medicines and a transformative company. We want to ensure you enjoy pioneering research and innovation, so your growth and development are a priority.

Sania is an equal opportunities employer – we are enriched by our diversity and are committed to creating and sustaining an inclusive and equitable environment for all. We are proud to be a values-led enterprise, and our talented employees are our cornerstone. Sania is built on their collective dedication, passion, and enthusiasm.

We offer internal and external developmental opportunities to support their growth. Our employees also receive a competitive salary, private health insurance, dental and optical care, subsidised gym membership, cycle to work scheme, and the opportunity to participate in our share option scheme.

JOB DESCRIPTION

The successful candidate will become part of a close-knit team who are using a combination of synthetic biology and molecular biology to develop new AAV therapies. The new hire will be specifically responsible for the screening of AAV capsid libraries and characterization of novel AAV capsids developed by Sania. The successful candidate will also be involved in experimental design and will be expected to contribute to team meetings where they will receive feedback from other members of the Sania team.

To be considered, candidates must have a passion for making a difference in the lives of patients and demonstrate an enthusiastic work ethic. The ideal candidate will be able to demonstrate experience and competence in some or all the duties described below:

- Design and contribute to the characterisation of lead capsid variants and facilitate their translation into gene therapy products.
- Design and screening of capsid targeting libraries.
- Design and contribute to the development of plasmids involved in AAV production.
- Packaging of AAV capsid libraries and associated quality control such as qPCR, protein gels etc.
- Molecular cloning of AAV capsid DNA libraries.
- DNA/RNA preparations of infected neurons to harvest and sequence capsid DNA.
- Preparation of infected samples for analysis by NGS.
- Preparing AAVs using novel capsids and identifying and using appropriate quality controls to compare packaging across novel serotypes.
- Cell culture and maintenance of mammalian cell lines.

Essential Qualifications include:

- A Master's degree in molecular biology, neuroscience, or a related subject; with at least 5 years of experience in the pharmaceutical industry or academic environment.
- Experience with library design, NGS and other commonly used molecular biology techniques.
- Experience with statistical analyses, statistical software, data analysis, and data presentation.
- Excellent written and verbal communication skills and ability to communicate effectively with other team members.
- Experience of working in an industrial research/biotech laboratory, particularly drug development.
- Excellent organisational skills.
- Ability to maintain clear and accurate written and electronic records.

Preferred Qualifications

- Previous experience in the field of synthetic biology or AAV gene therapy preferred.
- Background and understanding of AAV biology as well as AAV capsid engineering are highly desirable.
- Experience with bioinformatic programming (e.g. R, Python, MySQL, Java, etc).

APPLICATION

This application is managed by Singular Talent. If you are curious, committed, and collaborative and believe you would be a good fit for this role, please send your cover letter and CV to Isaac Smith at Isaac@singulartalent.io.

Alternatively, please see the vacancy listed here:

<https://singular.app.loxo.co/job/MjUxODktMzZkMWVpbGFqMGlvN2swcw==>

Or apply directly here:

https://singular.app.loxo.co/job/MjUxODktMzZkMWVpbGFqMGlvN2swcw==/form?source_ty=app