



ORBIT DISCOVERY

Screening Scientist I – Affinity Screening

About us

Orbit Discovery is a rapidly growing biotech company specialising in peptide drug discovery, built on a novel screening platform developed at the University of Oxford. Orbit Discovery is well funded, with the opportunity to develop highly efficacious peptide-based biological drugs, which are suitable and affordable for large patient groups. Orbit has internal drug discovery programmes and works in collaboration with major pharmaceutical companies in co-development projects.

Orbit Discovery offers a comprehensive employment package to its staff, including competitive salary, access to share options and a range of additional employee benefits.

Overview of the Role

We are seeking a self-motivated, energetic, and diligent Scientist (level 1) to join our affinity screening team.

Working within the Affinity Screening team, you will play a key role in designing and conducting affinity screens for a range of commercial and internal projects using Orbit Discovery's unique bead-based peptide display engine to identify hit peptides for drug discovery.

Work will involve the use of many techniques such as PCR, qPCR, *in vitro* transcription and translation, flow cytometry including sorting, microfluidics and next generation sequencing. You will also prepare data for reports and presentations within the company and assist in the drafting and review of laboratory protocols. Training will be provided for all techniques but expertise in flow cytometry, molecular biology or phage display are essential.

The position is a lab-based role, demanding an enthusiastic and proactive mindset, along with good organisational skill, an ability for problem solving, flexibility and attention to detail. The successful candidate will be given opportunities for training and development and will be encouraged to contribute to implementing new technologies and processes.

ORBIT DISCOVERY Ltd

Company No. 12850396
Registered in England & Wales



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Registered address: 23-31 Great Titchfield Street, London W1W 7PA



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Job Responsibilities

- Independently design, perform and analyse experiments.
- Handling and preparation of beads for analysis by flow cytometry.
- Performing binding and sorting (FACS) experiments.
- Preparing, running, analysing and interpreting next generation sequencing.
- Performing PCR, in vitro transcription translation and other assays as required.
- Analyse, interpret and summarise results for presentation at internal meetings.
- Contributing to discussions and sharing research findings with colleagues.
- Documenting research findings clearly in an electronic lab book.
- Assist in producing and collating procedures, guidelines and reports.
- Prepare project plans and reports.
- Contribute to general lab duties.
- Ability to work flexibly and collaboratively to meet changing demands of projects.

Job Requirements

Essential

- A minimum of an MSc in a biology related discipline with two years of industry laboratory experience, or BSc and four years industry laboratory experience.
- Broad knowledge of biological sciences with an emphasis on molecular biology or protein binding.
- Expertise in flow cytometry or Phage display (including data analysis).
- Ability to design and perform experiments using molecular biology techniques such as PCR or qPCR.
- Ability to perform basic analytical techniques such as SDS-PAGE, Western blot or ELISA.
- Practical experience of assay development.
- Willingness to learn new techniques.
- Strong communication and team working skills.
- Capable of troubleshooting technical issues and ability to develop a solid understanding of the direction and design of a given project.
- Ability to independently follow a project plan as well as design and perform experiments within its remit and plan according to schedule of project plan.

Desirable

- Practical experience with other display technologies or screening platforms.
- Practical experience of assay development.
- Experience with next generation sequencing and bioinformatics.
- Practical experience in protein-protein interaction studies.
- Practical experience in FACS.

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Further enquiries about this role can be directed to Lydia.Aschauer@orbitdiscovery.com

Applicants should provide a full CV and a covering letter describing their suitability for the position. Details for two referees will be requested from the successful candidate after an offer has been made. In response to the ongoing pandemic, Orbit Discovery is operating as a COVID-safe workplace with social distancing, enhanced sanitation, and flexible remote working measures in place.

Applications should be sent to careers@orbitdiscovery.com

All data will be treated in line with our privacy policy which can be found on our website at <https://orbitdiscovery.com>.

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