



Senior Scientist – Target Validation

Mission Therapeutics is an early-stage drug development company targeting the ubiquitin pathway for the treatment of neurodegenerative disease, cancer, rare mitochondrial diseases and fibrosis. The Company has built a leading platform for the discovery and development of first-in-class, small molecule drugs that selectively target deubiquitylating enzymes (DUBs) – an emerging drug class that is attracting significant commercial interest in the area of protein homeostasis.

We are looking for a driven, organised and proactive individual to join the Target Validation team, within the Discovery Biology group, at our Cambridge based facilities (UK). Mission Therapeutics is ideally situated on the Babraham Research Campus at the heart of Europe's largest biotechnology cluster.

The primary responsibility of this post holder is to provide scientific and technical support in establishing a disease focused capability in oncology or fibrosis. This individual will support the mechanistic understanding of the role of a specific DUB target, and will help build the biological rationale, establish mid-term objectives and deliver the strategic plan for the program. This will be achieved through both independent laboratory work and strategic input on target validation initiatives.

Key responsibilities:

- Build mechanistic understanding of DUBs and DUB inhibition in relevant disease pathways
- Confirm the target role, expression and regulation in cell models and disease relevant tissues
- Contribute ideas and strategies for identification and validation of DUBs in oncology and/or fibrosis
- Support the development of Mission pipeline through literature assessment and database intelligence
- Establish new in vitro phenotypic assays to facilitate genetic and small molecule inhibitors screens

Essential requirements:

- PhD with post-doc in biological sciences or equivalent experience
- Demonstrated multi-disciplinary expertise
- At least 5 years' experience developing in vitro mechanistic and phenotypic assays in the relevant field to model key aspects of disease-related cell biology
- Prior experience in producing and integrating complex data packages investigating pathways and mechanisms of disease modification
- Expertise in mining public databases for decision making information
- Ability to work effectively in a matrix environment and deliver in accordance to agreed timelines
- Autonomous work in the lab, with the capacity to prioritise activities independently to maximise effectiveness
- Strong scientific background and demonstrated record of achievement through scientific publications or patents
- Exceptional communication skills

It is desirable that applicants have at least 2 of the following:

- Experience of the drug discovery process, especially target identification and/or validation
- Knowledge of ubiquitin signalling and protein homeostasis
- Practical knowledge of drug resistance in cancer
- Experience with CRISPR screens in mammalian cells
- Ability to design and use molecular biology tools to answer complex biological questions
- Good understanding of the P53 pathway regulation

This is an exciting opportunity for an enthusiastic scientist to advance their career within a fast-growing biotech company and to contribute to the development of a new class of medicines.

Benefits

We offer a competitive salary along with a contributory pension scheme and other excellent benefits.

If you would like to apply for the position, please send your CV with a covering letter to recruitment@missiontherapeutics.com

The closing date for applications is 22nd April 2022.

In order to comply with UK employment legislation, all applicants for positions at Mission must have the right to work in the UK. In the event that a job offer is made, you will be required to provide evidence of your right to work in the UK before you commence employment with Mission.

All applications received will be managed in accordance with our Job Applicant Privacy Notice available to view on the Careers page of our website.

www.missiontherapeutics.com

No agencies, thank you.