



## Scientist/Senior Scientist (Research Software Engineer)

OMass Therapeutics is an early-stage drug discovery company, applying its unique OdysSION™ technology platform, which comprises novel biochemistry techniques, next-generation native mass spectrometry, and custom chemistry, to discover small molecule therapeutics for rare diseases and immunological conditions.

The company was founded by Professor Dame Carol Robinson to leverage her pioneering work in native mass spectrometry, in studies of dynamic protein assemblies, to characterise challenging drug targets including membrane proteins. With state-of-the-art laboratories OMass is able to perform high resolution native mass spectrometry, pharmacological studies, chemical computational analysis and more recently structure determination, including crystallography and cryo-EM. The high resolution of our biophysical platform offers an unprecedented advantage in the detection of drug leads. The company vision is to build an integrated drug discovery company, with the ambition to develop and ultimately commercialise our products.

Headquartered in Oxford, UK, OMass has raised over \$150M (£119M) from a top-tier international investor syndicate, including Syncona, Oxford Science Enterprises, GV, Northpond Ventures, and Sanofi Ventures. This is an excellent time to join our dynamic growing company.

OMass Therapeutics is inviting applications for the position of Scientist II/Senior Scientist I, depending on experience (Research Software Engineer). This is an exciting opportunity to participate in cutting edge drug discovery and undertake an extremely dynamic and diverse role as OMass seeks to expand its research software capabilities. The company offers a thriving and creative environment for a well-suited candidate to be exposed to the drug discovery and development process and state-of-the-art technology developments. You will acquire extensive knowledge of the company's operations and become an integral part of our future vision.

The successful candidate will have experience in the design, development, documentation and maintenance of software applicable to scientific research, and will be passionate about applying these skills to the development and implementation of a variety of techniques applicable to the discovery of novel medicines. The principal place of work is Oxford, however, the company currently operates a hybrid working model that requires regular onsite time and some flexibility for homeworking. The company offers a collaborative and innovative environment for a well-suited candidate to become an integral part of our future vision.



This is an exciting opportunity to join a fast growing and dynamic company operating at the cutting edge in drug discovery technology to develop disease modifying medicines for patients.

### Applications to be received by 10<sup>th</sup> March 2023

#### Essential Experience, Skills and Qualities

- Degree-level education in computer science or other related subject with a strong computational component or equivalent experience
- Experience in software engineering, including a strong track record of applying best practices in modern SE
- A track record of RSE work or significant industry software engineering experience
- Significant experience in working with Python
- Experience working with databases and interfacing through Python
- Caring and inclusive; respectful and receptive to others' diverse ideas, experience and perspectives, and enjoys working collaboratively with others as a team
- Excellent communication skills, both written and verbal, with a high attention to detail

#### Preferred Experience and Skills

- Ability to navigate and work effectively in a fast-paced, matrix-team work environment
- Experience in working with python packages relevant to computational chemistry and/or cheminformatics (e.g. RDKit)
- Experience in full-stack development (e.g. Experience with javascript front-ends and python back-ends for web applications)
- Experience in building and applying Machine Learning and Artificial Intelligence algorithms to scientific problems
- A creative and strategic thinker who can enthuse the OMass team with innovative ideas
- Strong organisational skills with an ability to prioritise work accordingly to project goals and take responsibility for the timely delivery of objectives

#### Role Responsibilities

- Perform software engineering and development activities including requirements analysis, design, implementation, testing, deployment, and code maintenance
- Understand and address software engineering questions that arise in relation to research
- Maintenance and updating of internal databases and APIs
- Work closely with the discovery team to develop and implement new methods relevant to drug discovery
- Interpret data, write and present project reports



- Bring a fresh perspective into the team and the enthusiasm to tackle new challenges and learn new skills
- Share information openly and work collaboratively with other departments to help advance different projects and achieve company goals
- Promote and adhere to OMass' values of being Ambitious, Responsible, Innovative, Focused, Caring and Collaborative

Applicants should provide a full CV and a brief cover letter describing their interest for, and compatibility with, the position.

**All applications should be submitted online via our website [www.omass.com/working-here/](http://www.omass.com/working-here/)**

Any queries relating to the role can be sent to [jobs@omass.com](mailto:jobs@omass.com).

Job Type: Full-time, permanent

Location: Oxford

Salary: Competitive salary and comprehensive employee benefits

OMass Therapeutics values diversity and is committed to equality of opportunity, we also have full responsibility to ensure that all employees are eligible to work and live in the UK.

