



Native Mass Spectrometry Scientist

OMass Therapeutics specializes in applying state-of-the-art native mass spectrometry platforms to characterizing challenging protein assemblies, including membrane proteins. By preserving the structures of protein assemblies we provide novel structural insights into large, dynamic complexes. The company vision is to build a drug discovery company with these technologies at its core.

OMass Therapeutics is inviting applications for the position of native mass spectrometrist, focussed on developing new platforms for drug discovery. This is an exciting opportunity to undertake an extremely dynamic and diverse role within a new biotechnology spin-out company from the University of Oxford. The company offers a thriving and creative environment for a well-suited candidate to be exposed to drug discovery and development processes 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.

At OMass Therapeutics you will join a team of enthusiastic and dynamic scientists with a shared passion for building a world-leading drug discovery company using an exciting and powerful set of technologies. Following a recent successful fund-raising exercise, the company is expanding significantly in different areas and has recently relocated to a new building at the Oxford Science Park. This is an excellent time to join a growing company.

The successful candidate will possess previous experience in the applications of mass spectrometry, using native MS based methods for understating protein interactions. You will be responsible for developing native MS platforms for the analysis of membrane proteins and optimising them for a range of challenging drug targets. Experience of molecular biology, protein expression/purification is advantageous. The role is exclusively research based and as such, the ability to problem solve and develop innovative solutions within projects is a key attribute required for the role.

Qualifications

- Proven experience at post-doctoral level in native mass spectrometry, preferably on orbitrap or QTOF based platforms.
- Hold a doctorate degree in chemistry, biochemistry or other life sciences
- Experience with handling protein samples; some experience with protein expression and purification are preferred but not essential
- Excellent communication skills, both written and verbal

Role Responsibilities

- Develop native MS platforms for the analysis of purified membrane protein samples
- Optimise sample conditions and buffers to obtain suitably homogeneous spectra
- Analyse and assign spectra for presentation to internal OMass employees and prepare scientific publications when appropriate
- Work closely with scientists within fields of biology to develop solutions and exploratory ideas which achieve the company's vision
- Interpret how scientific results from analysis fit into the wider scientific projects of the company
- Remain up-to-date with the state-of-the-art of the field and maintain detailed laboratory records

Applicants should provide a full CV with a list of their publications to date, contact details for 2 referees and a cover letter describing their compatibility with position required.

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 UK. All applications should be sent to jobs@omasstech.com

Job Type: Full-time