

Postdoctoral Research Scientist, Mass Spectrometry

Job Description

The Huang Lab (scripps.edu/huang) at Scripps Research in La Jolla, CA is seeking candidates for a Postdoctoral Research Scientist that specializes in glycomics and/or glycoproteomics mass spectrometry. Review of applications will commence immediately and will continue until the position is filled. The Huang Lab is a chemical biology laboratory focused on understanding the biological functions of protein post-translational modifications called glycans. The lab develops and implements integrated chemical and biological tools to study the roles of glycans in protein glycoconjugates in various physiological or disease settings. The Scientist will work in supervision by Prof. Mia Huang, with opportunities to collaborate with faculty members in a variety of disciplines appropriate to the candidate's interests.



Fellows will be advised by the Principal Investigator (PI) Prof. Mia Huang, with opportunities to collaborate with faculty members in a variety of disciplines appropriate to the candidate's interests. Scripps Research offers a rich scholarly environment for chemical biology and biomedical research, and fellows benefit from a vibrant Postdoctoral Services Office. Together, the PI and the Institute are committed to each individual's career development.

Qualifications

- Requires a Ph.D. degree in a relevant scientific discipline related to Chemistry, Chemical Biology, Analytical Chemistry, or Biochemistry.
- Proficiency in the routine operation and troubleshooting of Orbitrap systems, including instrument calibration and maintenance.
- Proficiency in the implementation of mass spectrometry-related software for data analysis.
- Solid theoretical and hands-on understanding of liquid chromatography and mass spectrometry.
- Significant experience in the isolation and analysis of glycans (N-linked, O-linked, or O-linked glycosaminoglycans).
- Familiarity with standard biochemical techniques (SDS-PAGE, Western blotting)
- Strong attention to detail, ability to follow and adapt technical protocols, and organization skills are key in this position.
- Ability to perform experiments reliably within time constraints.

Responsibilities

- Report to the Principal Investigator, support mass spectrometry (proteomics, glycomics and/or glycoproteomics) projects within the group.
- Perform routine maintenance and troubleshooting on Orbitrap systems.
- Collect, analyze, and interpret data. Modify procedures as necessary. Execute experimental procedures under general or minimal supervision.

- Keep accurate and detailed records of experiments.
- Assist in coordinating use of instruments.
- Produce templated analytical reports stemming from data.
- Provide some training to other personnel.

Benefits

- Salary is commensurate with experience, minimum of USD \$65K annually, with potential for annual merit-based increases.
- This position comes with a competitive health and dental benefits package.
- Workshops and training in professional career development will be provided and tailored to candidate's intended future career of choice.
- Opportunities to transition to a permanent non-trainee position.
- Supported annual travel to scientific conference of choice.

Interested candidates are encouraged to submit via email (miahuang@scripps.edu):

- A complete full *Curriculum Vitae*
- A cover letter clearly stating your (1) interest in our lab, (2) area of intended research, and (3) future career goals.
- Three names that can serve as references.