



Scientist I/II – Small Molecule MicroED Crystallographer (Full time – San Diego - CA)

NanoImaging Services, Inc. (NIS) is a leading provider of cutting-edge electron microscopy services including single particle CryoEM; characterization studies of biopharmaceuticals and vaccines; and microcrystal electron diffraction (MicroED). We are seeking a highly motivated, detail-oriented, small molecule crystallographer interested in a dynamic commercial environment to join our talented team in San Diego, California.

MicroED is a newly emergent structure determination method that is poised to revolutionize drug discovery and development ([Small Molecule Structures: A New World](#)). NIS was recently awarded a Small Business Innovation Research award from the NIH to further develop our MicroED pipeline, and this position would support this effort. This is an exciting opportunity to help build our MicroED services from the ground up.

Responsibilities include, but are not limited to:

- Data reduction, phasing and refinement of small molecule structures determined by MicroED.
- Writing comprehensive reports detailing the experimental findings.
- Assist microscopy team by evaluating diffraction data as it is being collected and making recommendations about collection parameters. Opportunity to learn microscope operations.
- Work closely with the MicroED scientific team to automate, enhance and expand our MicroED capabilities. This includes building/evaluating small molecule crystallization workflows and exploring adding X-ray powder diffraction capabilities to the company.
- Assist the commercial team by serving as a subject matter expert, speaking with clients and potential new clients about their projects, helping generate promotional material content and suggesting ways to better serve our clients.

A successful candidate must have the following qualifications:

- A PhD degree in Organic Chemistry, Analytical Chemistry, Chemical Engineering, Pharmaceutical Science, Materials Science or a related field with 0-3 years of relevant work experience or MS in a related field with 5-7 years of relevant work experience.
- Strong background in crystallography theory and significant experience with single crystal data reduction, phasing and structure refinement of small molecules.
- Hands-on experience crystallizing small molecules with the goal of producing single crystals suitable for X-ray diffraction.
- Experience collecting and processing X-ray powder diffraction data is a plus.
- Experience with electron diffraction is a plus. In-house training will also be provided.
- Understanding of small molecule pharmaceutical development and solid formulations is a plus.
- User level knowledge of Mac OS X and experience with Unix/Linux. Ability to write small scripts is a plus.
- Ability to maintain rigorous attention to detail and exceptional organizational skills, while priorities and workloads are dynamically shifting.
- Excellent oral and written communication skills with demonstrated experience presenting your work, generating high quality figures and writing technical reports.
- Self-motivated and able to work in a fast-paced, team-oriented environment.
- Must be legally permitted to work in the United States (US Citizen / Permanent Resident).

NIS is a growing company where you can become a part of a close-knit team with opportunities to advance and develop professionally. Interested individuals are encouraged to send a resume, with a cover letter, containing information on their education, employment history, a minimum of three references, and any other relevant achievements related to the above skills to recruiting@nimgs.com.