

TITLE: Postdoc, Protein Sequence Function Measurements (U.S. Citizens Preferred)

Overview: The Materials Measurement Laboratory of the National Institute of Standards and Technology is seeking qualified candidates (U.S. Citizens Preferred) to contribute to cutting-edge research projects aimed at collecting massive protein function measurements in service of developing a new generation of predictive models linking sequence to function. A successful applicant will join a dynamic, multidisciplinary team working with cutting-edge automation facilities in the NIST Living Measurement Systems Foundry (LMSF). They will contribute to a growing national and international collaborative effort to generate and use very large-scale, AI-ready biological data.

Duties:

- Conduct innovative research in developing large-scale measurements of protein sequence-function relationships.
- Design and execute experiments, analyze data, and interpret results.
- Collaborate with multidisciplinary teams.
- Write and publish manuscripts for peer-reviewed and open-science mediums.
- Present findings at conferences and institutional meetings.

Required Skills, Expertise and Qualifications:

- Doctoral degree in chemical engineering, protein engineering, bioengineering, cell biology, chemistry, physics, synthetic biology, or a related field.
- Experience working with E. coli
- Experience characterizing protein function and/or biophysical properties.
- Experience in interdisciplinary research or field-building efforts, particularly within data-driven biology.
- The ability to travel occasionally for conferences and collaboration
- Strong oral and written communication skills.

Other Desirable Qualifications:

- Experience with scientific data analysis using Python

Employment Terms: This opportunity is to be an associate researcher for a term of 1 year, with options to renew. Associate researchers are NOT Federal Employees, but they work aside NIST researchers and with NIST's often world class instrumentation. Relocation expenses will not be provided. U.S. Citizens hired into the associate position may have opportunities for longer term Federal Employment.

Salary: \$80,000 to \$110,000

How to express interest: Persons (U.S. Citizens Preferred) who meet all of the required qualifications and who would be interested in taking this position are invited to express their interest by sending an email that briefly describes their qualifications along with a CV to 644assoc@nist.gov. US Citizens should note "US Citizen" and the opportunity title in the email subject line. All others should note "Non-US Citizen" and the opportunity title in the email subject line.