



Vacancy Announcement Postdoctoral Research & Teaching Fellow

About The Research Foundation for SUNY:

The Research Foundation for The State University of New York (RF) is the largest comprehensive university-connected research foundation in the country.

Our mission is to provide talent, services, and technology that empower SUNY to research, innovate, and transfer discoveries that transform the world's knowledge economy.

Our vision is to make SUNY the best place for faculty, students, and staff to research, innovate and solve the world's most pressing problems.

The RF serves SUNY by providing essential administrative services that enable faculty to focus their efforts on educating students and performing life-changing research across a wide range of disciplines including Artificial Intelligence, Clean Energy, Biotechnology, Longevity, Substance Addiction, Nextgen Quantum Computing, Environmental Health, and Resiliency. We work with the academic and business leadership of SUNY campuses to facilitate research and discovery by administering sponsored projects and delivering intellectual property and technology transfer services that fuel innovation and move ideas and inventions to the marketplace.

The RF is committed to diversity, inclusion, and a working environment that enhances productivity creates personal and professional opportunities, unleashes everyone's full potential, and fuels innovation. We hold the organization and each other to the highest standards of integrity, accountability, and ethical behavior.

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Job Description:

The [Gerringer Lab at SUNY Geneseo](#) is seeking a postdoctoral fellow to study physiological adaptations to high hydrostatic pressures in deep-sea fishes. The lab group explores the physiology and ecology of deep-sea animals across scales, from molecular to organismal. On this project, Dr. Gerringer and the Fellow will work together to understand how high pressures and cold temperatures have influenced the evolution of proteins and enzymes in the deep ocean. Small-angle x-ray scattering (SAXS) will be used to compare the structural biochemistry of key biomolecules from fishes that live across habitat pressures and temperatures. This project will inform new understanding of life in the deep ocean and the interacting effects of temperature and pressure on biological systems. In this position, the Fellow will have the opportunity to conduct impactful research and to develop teaching skills in a collaborative and affirming environment.

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Duties:

- Study pressure adaptation in deep-sea fishes at the molecular level using high pressure small angle x-ray scattering
- Develop pedagogy skills by teaching one section of a Biology course per year, for example a 1-credit Biochemistry Seminar
- Mentor two undergraduate students in research related to the project
- Have the opportunity to participate in a two-week research expedition to collect deep-sea fishes from the Mediterranean Sea
- Receive funding support to present their research at two national/international conferences during the grant period

For more information on the project, please see the National Science Foundation [grant description](#). This postdoctoral position focuses on the structural biochemistry portion of the grant. Candidates with interest in biochemistry and/or biophysics and experience working with small angle x-ray scattering (SAXS) data are especially encouraged to apply, regardless of whether they have previous experience with deep-sea systems.

Requirements:

- Ph.D. in Chemistry, Biochemistry, Biophysics or related field
- Ability to collect and analyze small angle x-ray scattering (SAXS/Bio-SAXS) data, and/or laboratory experience expressing and purifying proteins
- Interest in teaching and mentoring undergraduate students
- Enthusiasm for studying deep-sea adaptation and for contributing to a collaborative and inclusive working environment

Compensation:

This is a full time position with a salary of \$55,000, ([plus fringe benefits](#)).

Mentoring & Equity:

Applicants from all backgrounds, including those from identity groups that have been historically excluded in STEM fields are encouraged to apply. We recognize that diverse voices and perspectives lead to better science, and we are committed to creating a safe and inclusive work environment in our lab. If field work on a research ship is unavailable, the fellow can still fully engage with this position and all interested applicants are encouraged to apply. To support the fellow's growth and long-term career goals, we will co-develop a written mentoring agreement to discuss goals, needs for a safe and inclusive working environment, and support resources.

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Application Instructions:

To apply, please submit the following to gerringer@geneseo.edu:

- Cover Letter (1-2 pages describing your interest in the position and how your experiences relate to the posted qualifications)
- A current CV
- Names and contact details for two or more professional references. References will be contacted only for those candidates who are invited to interview for the position.

Applications will be accepted until the position is filled, with initial review beginning on **September 25th**. A short list of applicants will be contacted for video interviews following the initial review. The position start date will be in the Fall of 2024.

For any questions, please contact Mackenzie Gerringer via email at gerringer@geneseo.edu.

As an Equal Opportunity / Affirmative Action Employer, The Research Foundation for SUNY will not discriminate in its employment practices due to an applicant's race, color, creed, religion, sex, pregnancy-related conditions, reproductive health decisions, childbirth or related medical conditions, sexual orientation, gender identity or expression, transgender status, age, national origin or ancestry, marital status, familial status, citizenship, physical and mental disability, prior arrest or conviction record, genetic characteristics/genetic information, predisposition or carrier status, domestic violence victim status, military status or service, veteran status, or any other characteristics protected under federal, state or local law.

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