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| Job Title | PostDoc - Structural Biology |
| PVN ID | RC-2301-005367 |
| Category | Research |
| Location | CUNY-ADVANCED SCIENCE RESEARCH CENTER |
| Department | Structural Biology |
| Status | Full Time |
| Annual Salary | \$60,000.00 - \$70,000.00 |
| Hour(s) a Week | 35 |
| Closing Date | Mar 20, 2023 (Or Until Filled) |

General Description

The Gardner group at the CUNY ASRC Structural Biology Initiative (<http://kglab.org>) seeks applications from individuals with experience in protein structural biology, biophysics, or biochemistry to serve as a Postdoctoral Fellow focusing on multidisciplinary, integrated structural biology research in the area of environmental control of transcriptional responses.

To achieve these overall goals, the Postdoctoral Fellow's primary areas of responsibility will be the biochemical and biophysical characterization of the structure, function and dynamics of several environmentally-regulated transcription factors and associated proteins. As such, s/he will be expected to be broadly aware of emerging trends in the scientific fields likely to provide novel insights into this area, including multiple structural biology methods and the general area of cellular signaling. S/he is further expected to be fully versed in a number of complementary biophysical and biochemical research areas; additional knowledge of bacteriology or cell biology is a plus. The ability to communicate and collaborate with scientists both in and outside of the group is essential to ensure the proper deployment of novel tools with other labs. Finally, the Postdoctoral Researcher is expected to contribute to the writing of scientific publications and grant proposals as well as present their work at conferences to communicate results from these studies and further their continuing professional development.

The Postdoctoral Fellow will be involved in several projects that are funded by NIH and private foundation grants. All projects involve the study of proteins involved in environmental sensing and signaling, with potential applications in protein engineering or drug discovery to examine their artificial regulation. Access to structural biology instrumentation and expertise, including world-class resources in cryo-EM, X-ray diffraction, NMR spectroscopy, and mass spectrometry, are available both in-house at the CUNY Advanced Science Research Center (<https://asrc.gc.cuny.edu/structbio/>) and at the adjacent New York Structural Biology Center (<https://nysbc.org>). More broadly, the intellectual environment at the ASRC and more broadly in New York City is exemplary for structural biology, biophysics, and biochemistry.

Position is available immediately.

Application Information:

Please submit application materials in PDF format and include both a resume/CV and a cover letter describing your interest and summarizing your qualifications for the position. In the CV, please also list the contact information of three professional references who can speak to your scientific research and communication skills.

Other Duties

Qualifications

Minimum Qualifications

- D. from an accredited institution in structural biology, biophysics, biochemistry, or related areas.
- track record of successful research skills and accomplishments in the above-listed areas, as documented in peer-reviewed publications, presentations at conferences, and other metrics.
- evidence of collaboration with a wide range of scientists with expertise in structural biology, biochemistry, cell and molecular biology, chemistry or related areas, as documented through publications and project reports.

Preferred Qualifications

- Hands-on experience in cryo-EM, X-ray diffraction, NMR spectroscopy or other experimental structural biology methods
- Experience in integrating experimental structural biology and biophysical data across different methods and/or modeling approaches
- Expertise in protein biochemistry and functional assays (in vitro and/or cellular)