

Postdoctoral Associate, Hauptman-Woodward Medical
Research Institute
University at Buffalo, The State University of New York

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| Job Title | Postdoctoral Associate, Hauptman-Woodward Medical Research Institute |
| Department | Materials Design and Innovation |
| Institution | University at Buffalo, The State University of New York Buffalo, New York |
| Date Posted | Nov. 13, 2020 |
| Application Deadline | Open until filled |
| Position Start Date | Available immediately |
| Job Categories | Post-Doc |
| Academic Field(s) | Materials Sciences/Polymer Sciences |
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| Job Description | |

A Postdoctoral Associate position is available based at the Hauptman-Woodward Medical Research Institute (HWI) and affiliated with the University at Buffalo. We are looking for a highly motivated structural biologist with an interest in metalloproteins and methods development to join a project with the Snell and Bowman laboratories involving the structural study of biological systems that are impacted by free radical activity and metalloproteins, where the modeled metal and/or coordination state are of interest for further investigation. The work will involve a collaboration with laboratories at Stanford and Oxford and will use X-ray crystallography, UV-spectroscopy, and micro-PIXE techniques. The eventual aim involves structural studies using X-ray free electron sources for radiation chemistry free data. It is possible that neutron studies would also take place. The position involves working directly with the Crystallization Center at the Institute and will have access to a Glacios cryo-EM with Falcon 4 detector. The Institute runs the IMCA beamline at the Advanced Photon Source. It is anticipated that multiple structural techniques will be employed, and while the candidate should have

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structural biology expertise, they are not expected to be proficient in all structural biology techniques. Molecular biology expertise is required to produce target proteins and complexes. Many techniques will be employed and due to the nature of the project, the position will be offered for three years.

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About UB

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact