**Postdoctoral Fellow – Protein Crystallography**

**University of Oklahoma Health Sciences Center, USA**

A postdoctoral position is available immediately in the laboratory of Dr. Marie Hanigan for a highly motivated, creative individual with strong interest in the structure and function of enzymes relevant to redox stress and inflammation. The successful candidate will investigate the structure, catalytic mechanism and inhibition of the human gamma-glutamyl transpeptidase family of enzymes using macromolecular X-ray crystallography. This position is funded through a new NIH-sponsored Center of Biomedical Research Excellence in Structural Biology (OCSB) at The University of Oklahoma and the University of Oklahoma Health Sciences Center. The Center is directed by Dr. Ann West and is well equipped with state-of-the-art equipment for molecular biology, protein biochemistry, and crystallography, including a new protein production core facility, crystallization robot, and upgraded X-ray generator. The successful candidate will be actively involved in the Center including interaction and potential collaboration with all members of the OCSB.

 Candidates should have a Ph.D. in a field relevant to structural biology and a strong background in X-ray crystallography. The candidate should be familiar with the methods of determining protein X-ray structures including indexing/scaling of data, structure determination through molecular replacement and other techniques, refinement, and analysis of the resulting structure. Experience with molecular docking and/or modeling is advantageous. The candidate must have clear communication skills and fluency in the English language. Applicants should send a cover letter, a CV, a list of publications, a detailed summary of research experience and interests as well as the names and contact information of three references. The information should be sent via e-mail to [marie-hanigan@ouhsc.edu](mailto:marie-hanigan@ouhsc.edu).The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.