

## Hiring: Opportunities for Motivated Undergraduate Students to Perform Authentic Research

The Xie-Hoff Lab located at the Henry Bellmon Research Center (HBRC) is hiring 6 motivated undergraduate students to participate and perform multi-year research projects on “Advanced Infrared Biology of Protein Structure & Dynamics”, funded by a grant from National Institutes of Health (NIH). The anticipated starting date is February 1, 2022.

**Requirements:** Sophomore in physics, chemistry, engineering or bio-sciences  
GPA 3.40 or better  
Completed PHYS2014 & PHYS2114; or PHYS114 & PHYS1214  
Motivated to pursue graduate study, including medically related study  
Women & minority students are encouraged to apply.

**Payment rate:** \$15/hr for 5 hours per week in spring semester & fall semester  
\$15/hr for 40 hours per week (two weeks \$1,200) in summer

The total payment is approximately \$3,300 per year. (Note: If the applicant is successful in getting a Wentz research scholarship while working for the project, he/she will have the opportunity to receive \$4000 for two months of summer research.)

**Research Experience:** Previous research experience is appreciated but not required.

**Project Description:** Six student researchers will be divided into three groups, one group with biological backgrounds, and two groups with physics/chemistry/engineering backgrounds for use of advanced scientific instruments and performing quantitative data analysis. Each group will be supervised by one graduate student and one professor. Student Researchers will receive adequate training before performing experimental research. In addition, student researchers will have the opportunity to present their research results at local, regional, and/or national workshops or conferences, and to publish their research results in peer-reviewed scientific journals. Thus, participations in these projects are particularly beneficial to students who plan to pursue graduate studies or advanced technologic careers.

**Contact persons:** Please send your application, consisting of (a) your resume (with GPA), and (b) a copy of transcript to Professor Aihua Xie ([Aihua.xie@okstate.edu](mailto:Aihua.xie@okstate.edu)) and Professor Wouter D Hoff ([Wouter.hoff@okstate.edu](mailto:Wouter.hoff@okstate.edu)). The review process will start immediately until the six positions are filled.