



BIO-SENS

Bio-Inspired On-demand
Strategies for Engineering
Nanostructured Sensors

ACADEMIC RESEARCH TECHNOLOGY SCHOLAR

2025
SUMMER
INTERNSHIPS

BIO-SENS is a collaborative multi-state project researching the development of biosensors to advance biotechnology and biomanufacturing. **Two-year and four-year undergraduate students from any state are invited to apply for a 10-week paid academic research internship to work in the labs of experienced faculty** at Auburn University, the University of New England, the University of New Hampshire, or the University of Wyoming. US citizenship or permanent resident status is required.

10 weeks | \$7,000 Stipend | Room & Board (up to \$3,500)



AUBURN UNIVERSITY

The research focus of the Pantazes Lab in the Chemical Engineering Department at Auburn University is on the development of computational methods for designing binding proteins. Two research positions are available to (re)design proteins that bind insulin and interleukin-6.

Minimum Requirements: Grade of C or better in any biochemistry course and grade of C or better in any programming course.



UNIVERSITY OF NEW HAMPSHIRE

The research focus of Dr. Halpern's SEEDS Lab in the Department of Chemical Engineering and Bioengineering Department at UNH is on the measurement of surface changes using electrochemistry. One to two research positions to monitor surface binding proteins with electrochemistry are available.

Minimum Requirements: Grade of B or better in general chemistry and calculus. AP credit also accepted.



UNIVERSITY OF NEW ENGLAND

The research focus of the Balog Lab within the Portland Laboratory for Biotechnology and Health Sciences at the University of New England is on the development and characterization of engineered proteins for biomaterials and biotechnology. Up to two research positions in the areas of molecular biology and protein science are available.

Minimum Requirements: Knowledge of chemistry and mathematics demonstrated by a grade of B or better in general chemistry and calculus coursework.



UNIVERSITY OF WYOMING

The Hill Lab in the Department of Chemistry at the University of Wyoming focuses on the development and application of electrochemical microscopy techniques capable of resolving chemical behavior at the nanoscale. Two research positions are available focused on studying the synthesis, functionalization, and chemical behavior of individual nanoparticles using electrochemical microscopy.

Minimum Requirements: One year of general chemistry with a grade of B or better.

SCAN QR CODE FOR APPLICATION

<https://bit.ly/bio-sens-arts>

DEADLINE: FEB 28, 2025



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