Internships and Summer Research Programs

Explore these internship and summer research opportunities.

**National Science Foundation Research Experience for Undergraduates**

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program.

**Chemistry Internet Resource for Research for Undergraduate Students**

**UW Undergraduate Research Program**

There are research opportunities available year round at the UW and surrounding research locations. The Undergraduate Research Program (URP) database includes several hundred of these undergraduate research opportunities. Be sure to check the database periodically, as new opportunities are continually added.

**Clean Energy Bridge to Research**

Clean Energy Bridge to Research (CEBR) is a summer research program from the Clean Energy Institute (CEI) at the University of Washington (UW). The program is funded by the National Science Foundation and UW's Undergraduate Research Program partners with CEI to run the program. CEBR supports a select group of undergraduates and community or tribal college students and teachers to participate in authentic research in solar, energy storage, and grid technologies under the mentorship of UW's world-class faculty and grad students.

**UW Molecular Engineering Materials Summer REU**

The University of Washington is home to a new national center of excellence for research, education and training in materials science.
The Molecular Engineering Materials Center is funded by a $15.6 million, six-year grant from the National Science Foundation. Daniel Gamelin (pictured below), UW professor of chemistry is director of the Molecular Engineering Materials Center.

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**Institute for Protein Design**

The goal of the Institute for Protein Design is to develop and apply methods for designing a whole new world of synthetic proteins. The Institute was established in 2012 to build upon strengths both within the University of Washington and in Seattle generally. Protein design requires high-level expertise in computing and software, biochemistry, genome sciences, biological structure, pharmacology, immunology and other basic science disciplines, as well as clinical medicine. The Institute for Protein Design was recently awarded $45 million in funding through TED’s The Audacious Project. IPD Director, Professor David Baker, and Assistant Professor Neil King are pictured below.

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**Center for Selective C-H Functionalization**

CCHF is a network of 23 academic and industrial research laboratories at 15 partner institutions throughout the country. The goal of CCHF is to bring C-H functionalization into the mainstream of synthetic organic chemistry. The CCHF supports a Chemistry Summer Undergraduate Research Program (CSURP) that is a program for undergraduate students who are majoring in chemistry or chemical engineering who are interested in conducting supervised summer research.

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**Rosetta Commons**
Interns in this geographically-distributed REU program have the opportunity to participate in research using the Rosetta Commons software. The Rosetta Commons software suite includes algorithms for computational modeling and analysis of protein structures. It has enabled notable scientific advances in computational biology, including de novo protein design, enzyme design, ligand docking, and structure prediction of biological macromolecules and macromolecular complexes.

Institute for Systems Biology

The Institute for Systems Biology is a nonprofit biomedical research organization based in Seattle. They sponsor a Summer Undergraduate Research Experiences Program to offer undergraduates a paid opportunity to experience research side by side with experts in systems biology.

Fred Hutch Summer Undergraduate Research Program

The Summer Undergraduate Research Program (SURP) is an intensive, nine-week internship designed to provide research experience and mentorship for undergraduate students who are interested in biomedical research. Under the guidance of a faculty mentor, interns will complete an independent research project and present their findings at a competitive poster session.

Pacific Northwest National Laboratory DOE Summer Undergraduate Laboratory Internships

The U.S. Department of Energy (DOE) Office of Science funds summer research internship for undergraduate (sophomore to senior) students in science, mathematics, engineering, technology, and science policy.

Scan Design Innovations in Pain Research Summer Program

The Summer Undergraduate Research Opportunity in Pain Research was developed to expose undergraduate students to interdisciplinary research in pain to stimulate interest in future careers in pain research.

CoMotion Mary Gates Innovation Internship

The CoMotion Mary Gates Innovation Scholars program funds full-time summer internships in faculty-led start-up initiatives. Selected scholars will contribute to the development of these companies, gaining experience in and exposure to various aspects of building a
new product/business.

The Stipends for Training Aspiring Researchers Program
The STAR program is a 12 week summer program that places undergraduates into faculty-mentored laboratories for 480 hours of paid research.

Chateau St. Michelle Wine Estates
The winery often has Winemaking internships available. Interns conduct basic wet chemistry and enzymatic analysis.

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Source URL: https://chem.washington.edu/internships-and-summer-research-programs