

# REU at the University of Oregon...

## *Exploring the Unknown*

The UO Research Experience for Undergraduates (REU) program offers a unique overlap of chemistry and physics with a focus on materials science and optics.



### *Summer 2022*

A 10 week summer undergraduate research program for Physics and Chemistry Majors.

It's not all work, however. Having local and regional adventures are a vital component of the program!

**Program Dates:** June 13 – August 19, 2022

### *The NSF REU grant provides:*

- \$6,000 stipend for 10 weeks
- Room and Board provided by the UO
- Travel expenses paid to and from Eugene
- Develop friendships and experiences of a lifetime!
- Exciting adventures throughout Oregon
- A hands on graduate school experience



Visit our website for application information and program details,  
or Contact: Priscilla Lewis 541-346-0116; cilla@uoregon.edu

<http://reu.uoregon.edu>

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The REU program at the University of Oregon offers exciting research projects for undergraduate students interested in chemistry, physics, environmental chemistry, optics and materials science. Faculty advisors are active in the study of the structure, reactivity and thermodynamics of materials in addition to the characterization of their electronic and optical properties. Research groups consist of faculty and graduate students from the Chemistry and Physics Departments who guide undergraduate participants in the program.

**Benjamín Alemán, Physics** - Particle Detection in Fluids with Mechanical Resonator Circuits

**Shannon Boettcher, Chemistry** – Inorganic Materials Chemistry for Solar Energy Conversion and Storage

**Carl Brozak, Chemistry** - Ultra-High Density Energy Storage and Design of Porous Materials

**Amanda Cook, Chemistry** - Developing Heterogeneous Catalysts for the Transformation of Organic Molecules

**Eric Corwin, Physics** – Jamming and the Glass Transition

**Victoria De Rose, Chemistry** – Influence of Nanoparticles on RNA Structure and Function

**Mike Haley, Chemistry** – Electron-Accepting Organic Semiconductors

**Darren Johnson, Chemistry** – Supramolecular Chemistry

**Ben McMorran, Physics** – Coherent Matter Wave Manipulation using Diffractive Electron Optics

**George Nazin, Chemistry** – Controlling Properties of Graphene Devices through Surface Chemistry

**Raghu Parthasarathy, Physics** – Imaging-based Approaches for Investigating Microbes and Membranes

**Jayson Paulose, Physics** – The Geometry of Mechanics

**Michael Pluth, Chemistry** – Developing New Chemical Tools for Chemical Biology

**Dan Steck, Physics**– Quantum Measurements and Quantum Dynamical Systems

**Tristian Ursell, Physics** – Mechanistic Studies of Cell Death

**Cathy Wong, Chemistry** - Transient Absorption Spectroscopy during Organic Oil Formation, Transient Absorption Spectroscopy during Nanocrystal Growth and Decay



<http://reu.uoregon.edu>  
Email: [reu@uoregon.edu](mailto:reu@uoregon.edu)



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