

# RESEARCH EXPERIENCES FOR UNDERGRADUATES

Yale University | Summer 2020



*Center for Research on Interface Structures and Phenomena*

The CRISP REU program provides students with the opportunity to conduct team-based interdisciplinary research. During the course of this eight-week research program, REU students will be conducting research under the advisement of university faculty and researchers.

## INTERDISCIPLINARY RESEARCH

- Atomic scale design, control and characterization of complex oxide interfaces
- Studying the novel chemical, electronic, and magnetic properties of nanomaterials
- Multi-scale surface engineering with bulk metallic glasses
- Theoretical modeling of nanomaterials, surfaces, and interfaces at the atomic level
- Synthesis of materials at the atomic scale

[crisp.yale.edu](http://crisp.yale.edu)

**RESIDENTIAL** REU Program: June 1—July 27, 2020

**Applications due by February 1, 2020**

### STIPEND:

Each REU participant will receive a stipend of \$4000 (which includes \$1000 for food). ). This is a residential program and university housing will be provided on the Yale campus.

### ELIGIBILITY:

This program is open to highly motivated undergraduate students who have completed their junior year, although consideration is given to exceptionally well qualified underclassmen. US citizenship or permanent residency is required. Minorities, women and persons with disabilities are strongly encouraged to apply.

### APPLICATION PROCESS:

Starting Nov. 1 candidates must apply directly to the Yale SURF program through the Leadership Alliance at [www.theleadershipalliance.org](http://www.theleadershipalliance.org) Students should indicate their specific interest in the CRISP program in their personal statement.