



Undergraduate Research Opportunity

Title of Project/Opportunity: Experimental Surface physics and chemistry

Type of Project: Experimental Theoretical Computational

Field of Physics: materials and condensed matter physics

Term of Research Opportunity: Fall Semester Spring Semester
Summer Academic Year Project

Type of Research Opportunity:

Fixed Term Ongoing REU 1V95 4195/4196

Compensation for Research Opportunity: Summer Support

Hourly (Rate:) Academic Credit Experience
Negotiable

Minimum Physics Background:

None General Physics Sophomore Physics Jr./Sr. Physics

Preferred Mathematical Background:

None Calculus sequence Diff. Eq. Courses Jr./Sr. Math

Preferred Computer Background:

None Familiarity with Computers Prior language programming

Other Preferred/Required Skills: _____

Brief Description of Research Opportunity: You will get to use various surface sensitive tools to probe surface structure and electronic properties. Among the tools that are currently used, we have low energy electron diffraction, ultraviolet photoemission spectroscopy, Auger electron spectroscopy, temperature-programmed desorption spectroscopy resources.

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