

NSF-REU Program in Applied Physics

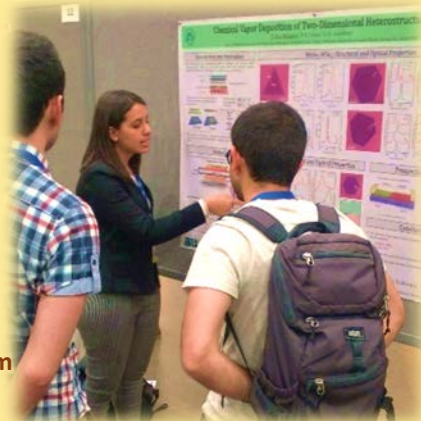
at The University of South Florida, Tampa. May 20 – July 29, 2022

Are you an **undergraduate student** interested in applied physics?
Join a research group this summer and **pave the road to your future**



Activities include

- Research training in experimental and computational techniques
- Weekly lecture series “Advances in Applied Physics”
- Laboratories tours
- Workshops in scientific ethics
- Workshops on written and oral communication
- The REU symposium at the end of the program



Research Areas

- Advanced Magnetic Materials
- Laser spectroscopy of biomaterials
- Materials for Energy Applications
- Magnetic nanoparticles for nanomedicine
- Low-dimensional functional materials
- Ferroelectrics (Computational Physics)
- THz photonic phase modulators
- Biophysics of Protein Modules
- Ductile Polymer Glasses (Computational Physics)
- Data-driven modeling of ion dynamics in neurological disorders
- Optical metrology
- Molecular Dynamics Simulations
- Smart sensor technologies
- Magnetic ordering in quasiperiodic tilings (Computational Solid-state Physics)

The Program provides

Stipend: \$5,000
Travel and Housing expenses

APPLY NOW!

Review of applications will begin on March 2, 2022, and continue until all positions are filled.

Contact

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Department of Physics
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Social and cultural program

- Picnics and barbeques at USF Riverfront Park
- Visit to the Dali museum
- Visit to the Tampa Museum of Arts
- Field trip to NASA Kennedy Space Center



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More information and **applications** at:

<https://www.usf.edu/arts-sciences/departments/physics/ap-reu/>