



We could use your help in identifying candidates for three summer research/creative Sites to be held at West Virginia University (WVU) in summer 2017. More details? See below or click on the links provided.

Click each one for more information!

### [Nanotechnology-NanoSAFE REU](#)

### [Chemistry REU](#)

### [CESTA: Community Engagement in Science Through Art](#)

Please feel free to forward this email to students, colleagues, and friends. Thank you!

*Students from groups underrepresented within their disciplines (e.g., women, underrepresented minorities, students with disabilities), veterans of the U.S. Armed Forces, and students from socioeconomically depressed regions (e.g., Appalachia) are especially encouraged to apply to these programs.*

Please be aware students must apply separately to each program.

1) The 2017 NSF-funded [NanoSAFE REU at West Virginia University](#) (May 21-July 28, 2017) centering on Design, Characterization, and Toxicity Assessment of Safe Advanced Performance Nanomaterials is now accepting applications from undergraduates who 1) are majoring in science, technology, and engineering 2) are citizens, nationals, or permanent residents of the U.S. or its territories, and 3) are interested in nanoscience research and a training experience akin to that of a graduate student. Selected participants spend 10-weeks working on research on projects that address fundamental questions related to multifunctional nanomaterials. REU participants are trained on research projects that support the design of safer and more effective nanoparticles that have been characterized and assessed for potential toxicity. The research activities focus on multifunctional nanomaterials and support improved material design with attention to properties that impact human and environmental health. Students have access to cutting-edge technology in nanolithography, nanotemplating, material self-assembly, electrochemistry, spectroscopy, microscopy, fluidics, and unique tools required to elucidate complex facets of nanotoxicity. Upon completing this REU experience, undergraduate students will actively contribute to innovative research that advances nanotechnology manufacturing. Participant benefits include \$5,000 stipend, lodging, meal expenses, and travel reimbursement to/from the Site. Early Admission Review of COMPLETED applications will proceed from Nov 28-Dec 28, 2016. Regular review will begin Feb 3, 2017 and end upon all spots being filled. For more information and link to the online application, visit the NanoSAFE REU website at <http://research.wvu.edu/researchers/nanosafe/nano-reu>. Questions? Contact NanoSAFE at [NanoSAFE@mail.wvu.edu](mailto:NanoSAFE@mail.wvu.edu).

2) The 2017 NSF-funded [REU Site: Research in Chemistry at West Virginia University](#) (May 21-July 28, 2017) is now accepting applications from undergraduates who 1) are majoring in chemistry or biochemistry (pre-majors also considered), 2) are citizens, nationals, or permanent residents of the U.S. or its territories, and 3) are interested in a research and training experience akin to that of a graduate student. Selected participants spend 10-weeks working on research on projects that address fundamental questions related to the chemistry of health and catalysis in chemistry. Projects focus on the potential of research to benefit society both directly and indirectly in the fields of health care, forensics/criminology, energy, sustainability, and transportation. Participant benefits include \$5,000 stipend, lodging, meal expenses, and travel reimbursement to/from the Site. Early admission review of COMPLETED applications will proceed from Nov. 28-Dec. 28, 2016. Offer may be made based upon early admission review. Regular review of completed applications will begin on Feb. 3, 2017. For more information and link to the online application, visit the Chemistry REU website at <http://undergraduateresearch.wvu.edu/reu-site-research-in-chemistry-at-wvu>. Questions? Contact the WVU Office of Undergraduate Research at [undergradresearch@mail.wvu.edu](mailto:undergradresearch@mail.wvu.edu).

*The Chemistry and NanoSAFE REU Sites are funded by the National Science Foundation (NSF) with team building activities funded by the WVU Eberly College and Research Office.*

3) [CESTA \(Community Engagement in Science Through Art\)](#) is a 1-month summer program that is run as a collaboration between Jessica Hoover (WVU, Chemistry), Jason Lee (WVU College of Creative Arts, Sculpture) and Todd Hamrick (WVU Statler College, Engineering and Robotics). The program accepts six students (**2 chemists, 2 engineers, 2 artists**) who work collaboratively for 1 month to design and construct an interactive science-art installation that will engage the local community in chemistry. Each student participates in all stages of the project development (brainstorming, designing, construction, installation, unveiling, etc.) and receives a competitive stipend for the month. Each summer the program accepts applications from students with backgrounds in chemistry, engineering, and sculpture. Both undergraduate and graduate students are eligible to apply. More information on the program and the online application can be found at the CESTA website at <http://www.cestaprogram.com/>.