To realize the scientific advances promised by a new era of atomic-level control over materials and devices, expertise from interdisciplinary teams of scientists and engineers with diverse backgrounds will not only be required, but will remain a significant issue of national importance. Our REU Site initiates a School of Engineering-wide program at the University of Connecticut to engage undergraduate participants in cutting edge experimental and computational hypothesis-driven nanotechnology research. Participants may choose to engage in research on advanced nanomaterials for energy conversion, phase change memory, biological response to pharmaco-therapeutic treatments, 3D printing of wearable electronics, and ultra-strength metal alloys.

**Program Overview**

During the 10 week period in Storrs, Connecticut, undergraduate student participants will receive:

1. Funding to cover travel ($400)
2. Fully-paid housing in a UConn dormitory
3. Funding to cover meals ($140/wk)
4. Generous stipend ($500/wk)

Most importantly, you will engage in individualized active research experiences with faculty at the forefront of their fields. Cohort activities include research related seminars and journal club, preparation for graduate school, technical writing, ethics, and a final research symposium with other UConn REU sites and the UConn Research Experience for Teachers program.

**Benefits**

Talented students under-represented in advanced scientific and engineering research including veterans are especially encouraged to apply. Eligible students must be enrolled/intending to enroll as Mechanical/Materials/Electrical/Chemical/Biomedical Engineering, or Physics majors. Application must include:

1. Personal statement discussing career/educational goals
2. Transcript (electronic/scanned is acceptable)
3. 2 recommendation letters, 1 must be from a faculty member addressing your potential for research

For Full Consideration Apply by 3/15/2017

Located in beautiful Storrs, Connecticut

**REU Site Directors (NSF Award #1560098):**
Prof. Jason Lee (JasonLee@engr.uconn.edu)
Prof. Michael Pettes (Pettes@engr.uconn.edu)