

From: Kimberly Schneider [mailto:KRS@ucf.edu]
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Subject: NSF REU Programs: University of Central Florida

University of Central Florida- NSF Research Experience for Undergraduates (REU) Programs – Summer 2017

Preparing the Next Generation of Scholars through Community Geographic Information Systems and Citizen Science in Orlando and Belize

Research in Belize for 5 weeks! We emphasize community geography, community GIS, and citizen science through mixed methods, including sketch mapping, mobile mapping applications, focus groups, in-depth interviews, GIS, and spatial analysis.

- **Program dates:** June 19 - August 4
- **Website:** <http://www.citizensciencegis.org/ucf-reu-site/>
- **Benefits:** \$3500 research stipend, meal allowance and housing in Belize and Orlando, travel support to/from the REU Site, up to \$750 for post-REU conference travel, and 2 research methods books.
- **Priority Application Deadline:** February 17th at 5pm

Internet of Things

This program will train students in a 10-week summer program in security, privacy, hardware design, data analytics, healthcare simulations, and social computing topics. Student activities include weekly workshops and seminars, preparation of a research poster for presentation, hands-on training with IoT devices, and socials.

- **Program dates:** May 22-July 28
- **Website:** <http://iotreu.cs.ucf.edu/>
- **Benefits:** \$5000 stipend, travel allowance, housing and meal allowance
- **Application Deadline:** March 1st

Biomedical Engineering and Nanotechnology

REU students will spend 10 weeks in a highly collaborative environment and learn aspects of material science engineering, bioengineering, biophotonics, biochemistry, and clinical translation. Research applications include Engineering of MEMs devices, Body-on-a-chip systems, Nanofibers for tissue engineering, Smart wound healing patches, and Nanomanufacturing of tunable plasmonic sensors.

- **Program dates:** May 2- July 28
- **Website:** <http://nsfreunano.research.ucf.edu/>
- **Benefits:** \$6,000 stipend plus travel costs and housing
- **Application Deadline:** March 15th