

<http://www.alasu.edu/academics/research--centers/reu-program/index.aspx>



**Research Experiences for Undergraduates Program**  
**Research Experiences for Undergraduates in “NanoBioengineering” at  
Alabama State University (ASU)**

<http://www.alasu.edu/academics/research--centers/reu-program/index.aspx>

**Location:** Alabama State University, Montgomery, Alabama

**Program Dates:** \*May 29<sup>th</sup> to July 29<sup>th</sup>, 2017 (9 weeks)

**Expenses: \$550/week Stipend; On-campus housing; Meal and Travel allowances available.**

**Research Track (tentative):**

- Development and synthesis of functionalized Nanoparticles
- Design and fabrication of polymeric tissue scaffolds by 3-D printing
- Tissue regeneration on 3-D scaffolds
- Strategies to manipulate bacterial growth on tissue scaffolds
- Regulation of immune response in cells
- Using LIBS technology for biological detection

**Participants:** A total of ten students will be accepted. Students must be US citizens or permanent residents enrolled in a Bachelor Degree program (biology, biomedical science, biomedical engineering, chemistry, physics, material science, engineering, and related fields). We hope to provide opportunities for students of diverse backgrounds, so if you identify with an under-represented minority group from colleges with limited research opportunities, are economically disadvantaged, we encourage you to apply. If you will graduate in May or June during the year of the program, you are not eligible for the summer experience.

**Application Deadline: March 15<sup>th</sup>, 2017**

Applicants will be notified of their status no later than March 30<sup>th</sup>, 2017.

**Materials Required for Complete Application:**

- Application form (download)
- Transcripts (official or copy)
- One-page essay (600 words) describing your interests, career goals, and experiences that qualify you for this research internship
- Two letters of recommendation from academic/advisors/science instructors.

Application materials should be submitted electronically to Dr. Komal Vig at [reu@alasu.edu](mailto:reu@alasu.edu).

*\*Dates may change by few days*