



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

<http://bioreu-alasu.org/>

Location: Alabama State University, Montgomery, Alabama

Program Dates: *May 28th to July 28th, 2018 (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 9th, 2018

Applicants will be notified of their status no later than March 30th, 2018.

Materials Required for Complete Application:

- Application form (online submission)
- 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.

Submit your application online at <http://bioreu-alasu.org/apply/>

Or electronically to Dr. Komal Vig at reu@alasu.edu.

**Dates may change by few days*