



**A Research Experience for Undergraduates (REU): Biology and Biotechnology  
at University of North Carolina Charlotte  
in the Department of Biological Sciences**

This REU Program will provide an intensive research training for 10 weeks, during the summer. This year the program will run from *Monday May 29, 2018 - Saturday August 4, 2018*. The REU program is open to all undergraduate students who are citizens, nationals or permanent residents of the United States. Students trained in the program will gain skills in lab research, develop their critical thinking and problem-solving skills, understand the process of science, and be able to communicate their research results to their peers and the general public. This REU Site program will focus on research in biology and biotechnology in a traditional research experience while conveying how basic biotechnology research leads to business creation and industrial development. Example projects include bioinformatics and whole genome analyses to understand drought resistance of potato crops, generation and study of transgenic soybeans for agricultural use, study of microbial populations for biofuel development or water treatment, use of nanoparticles in bioavailability or environmental impact studies.

During the 10-week program, students will participate in activities including weekly group meetings and data updates, workshops on Research Ethics, Applying to Graduate School, Career Opportunities. At the end of the program, students will present their research in a poster at the UNC Charlotte Summer Research Symposium and an oral talk at the Dept of Biological Sciences Summer Symposium.

The REU program provides an experience to students that is typically not available to them. Students from schools with limited opportunities for research and from underrepresented groups are encouraged to apply. Students will be supported with: Competitive Stipend of \$5250, as well as appropriate subsistence allowance and housing on-campus or parking permit will be provided.

**\*Applications will be accepted December 1, 2017 until January 15, 2018. Completed applications will be considered beginning January 15, 2018.**

**Completed Applications Will Include:**

- Completed Application Information Sheets and Short Answers ([click here for application](#))
- Unofficial or Official Transcript(s)
- 2 Letters of Recommendation from Academic Teachers, Mentors, or Professors (to be sent directly by recommenders)
- Please be certain that in the application you include a ranking of up to three participating professors with whom you would be most interested in working with during the program ([click here for current participating faculty summaries](#)). If there is no preference or if certain professors rank equally please indicate that. Applicants are also encouraged to view individual faculty interest's pages here on [this website](#).

**\*Completed application materials may be sent via email to [C.Richardson@uncc.edu](mailto:C.Richardson@uncc.edu) or by mail to: Christine Richardson, PhD, Dept Biol**