

**Department of Biological Sciences
COLLEGE OF ARTS and SCIENCES**

**SUMMER RESEARCH OPPORTUNITIES
FOR UNDERGRADUATE WOMEN**

APPLICATION DEADLINE: March 1, 2012

The Department of Biological Sciences is pleased to offer the following research project for the summer of 2012. Interested students are urged to contact the faculty member(s) directing the project that most interests them. By contacting the faculty member, you can discover more about the project, learn what your responsibilities will be and, if possible, develop a timetable for the twelve-week research period.

PROJECT TITLE: Research in Inquiry-based Science Education

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Project Description

We are seeking a WISE student who seeks an immersive experience in science education research. The student will participate in the development and implementation of inquiry-based learning tools for use in lectures and laboratories in Biological Sciences. The research study proposed will test the hypothesis that undergraduates who develop, and eventually critique, their personal & course-specific learning outcomes perform better in the course overall. The goal of the study is to improve student self-assessment and critical thinking abilities as they proceed to upper level classes and into the job market. The WISE student will collect and analyze self-assessment data collected at the beginning and end of summer Bio301, as well as gain experience in conducting inquiry-based classes.