

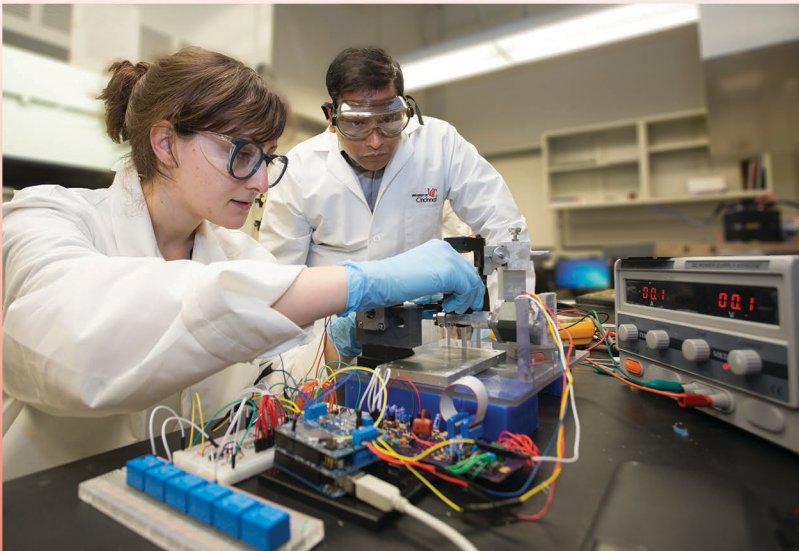
Application Deadline: March 2, 2015

2015 **WISE** WOMEN IN SCIENCE & ENGINEERING

REWU RESEARCH EXPERIENCE FOR WOMEN UNDERGRADUATES

Offers Summer Research Opportunities in:

- Allergy & Immunology
- Anthropology
- Biology
- Chemistry
- Computer Science
- Engineering
- Environmental Sciences
- Geography
- Geology
- Mathematics
- Nursing
- Nutritional Sciences
- Pathology
- Pediatrics
- Physics
- Psychology



Anne Brant, Mechanical Engineering major, and mentor Murali Sundaram working on the Nano 3D Printing Setup.

Each student will work directly with a University of Cincinnati faculty mentor. Each week, all women in the program meet as a group to discuss their projects and to hear from guest speakers about a variety of topics including decisions about graduate work, giving professional talks, reading scientific journals, developing leadership skills, and other skills related to being a professional scientist. A final presentation provides an opportunity for students to participate in a professional research conference.

Valuable Research Experience

No matter what your plans are after graduation, having hands-on experience working in a research environment will strengthen your job application or application for graduate studies.

Spend your summer with the WISE REWU program and here's what you get:

- A \$4,500 stipend
- The opportunity to do scientific/technical research in a professional environment
- Mentoring by world-class research scientists

Research Opportunities

The University of Cincinnati's Women in Science and Engineering (WISE) Committee is looking for women students to participate in the 2015 Research Experience for Women Undergraduates (REWU) program.

Research Areas

Projects range from examining lead and copper contamination of domestic water systems, to simulation of building semiconductors, to analyzing orbits around compact astrophysical objects and black holes. Close to 100 faculty have suggested an enormous variety of projects from which the students may choose. In previous years, up to 20 women per year have been selected to participate. We expect to have funding for 20 new students this summer.

Undergraduates are paired with faculty mentors, and work full time for 12 weeks (May 11 – July 31, 2015). Because students are immersed in the research experience, concurrent classes or employment are not possible.

The goal of this program is to attract young women into science and engineering fields through a supportive, structured, research environment.

Students interested in learning more about WISE and the REWU program can contact:

Professor Urmila Ghia, Chair, REWU
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Mechanical Engineering
University of Cincinnati
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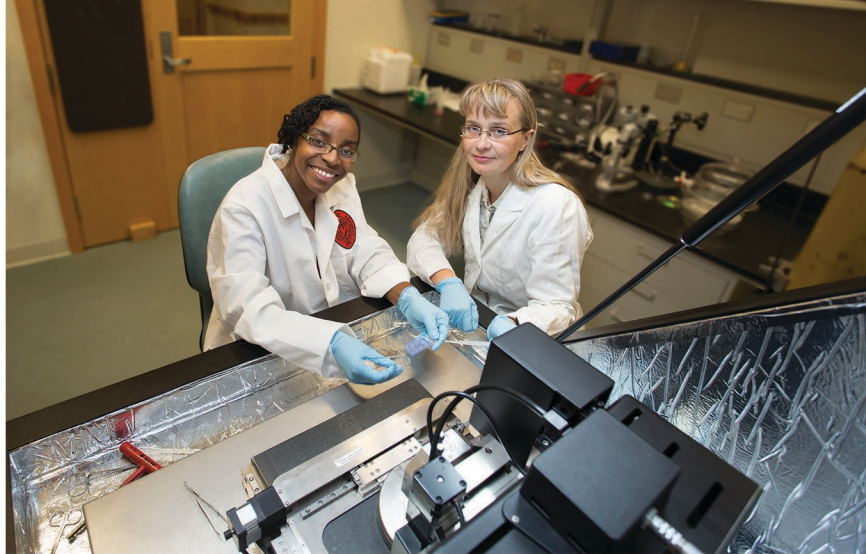
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Visit the WISE/REWU website at:
www.wise.uc.edu

WISE is sponsored by:
The University of Cincinnati's
Women in Science & Engineering (WISE)



Manavi Singh, Biological Sciences student, researches color vision in Tanzanian geckos with mentor Ken Petren.



Kristina Davis, Food and Nutrition major, with mentor Daria Narmoneva research new approaches for controlling gene expression and cell responses through biomechanical stimulation.

Comments from previous REWU students

"This program allowed me to work full time in one of the top nanotechnology research labs in the country. It also helped me shape my career goals and educational aspirations. Thanks to WISE, I will ... finish my masters."

"I have learned to work independently and deal with disappointing results."

"Meeting so many strong, confident women was phenomenal. It gives me hope for the future. Also having the panel of previous students speak about their research experiences & post-graduate work gave me great insight."

"I have gained knowledge I would not have learned in my course work."

"I formed good friendships with people in my department and lab, as well as identified and shared a common experience with the girls of WISE. A more appropriate word may be 'family' or 'lifelong' friends."

"I got to shadow surgeons and see what happens after the anesthesia kicks in. This really peaked my interest in becoming a surgeon."

"This is a once in a lifetime opportunity!"

"It matures you so quickly and helps you become more interested in your studies."

"I had very good experiences working with this program: hands-on research, networking, and confidence. These experiences will forever continue with me throughout my life."

"I learned a great deal about doing laboratory research and was actually surprised that it was quite different from course work. I surprised myself by being more independent than I thought I would have been."

".....It's a life changing experience."