

FLORIDA STATE UNIVERSITY
UNDERGRADUATE RESEARCH
OPPORTUNITY PROGRAM
STUDENT HANDBOOK



2016-2017

For full program details visit: cre.fsu.edu/Students/UROP-Undergraduate-Research-Opportunity-Program

UROP VISION, MISSION, & BELIEFS STATEMENTS

Mission: The mission of the Undergraduate Research Opportunity Program (UROP) is to enrich the undergraduate academic experience by providing FSU's first- and second-year students the opportunity to partner with our excellent faculty as research assistants.

Vision: The vision of UROP is to operationalize a campus belief that involvement in cutting-edge research is not limited to faculty and graduate students, and to make such opportunities available to all FSU students, regardless of background or discipline.

Beliefs

- Research opportunities are high-impact practices and should be promoted and made available to ALL FSU students
- Early engagement in research provides opportunities to profoundly develop students' critical thinking and problem solving abilities
- UROP is a platform for continuous undergraduate involvement, providing a pathway for increasing levels of responsibility from the first-year until graduation
- UROP promotes students' academic growth and professional development, making students better applicants for graduate school and jobs.

BE A PART OF WHAT MAKES FLORIDA STATE UNIVERSITY A WORLD CLASS INSTITUTION OF HIGHER EDUCATION: RESEARCH, SCHOLARSHIP, AND CREATIVE WORK.



What can I expect?

- **Join a supportive community of hundreds of other peer researchers and UROP alumni**
- **Options to join a discipline-specific research cohort, or even a transfer or student-veteran section**
- **Quality faculty mentorship for academic and career exploration**
- **The ability to collect and analyze data, co-author, present findings at conferences, and make other important contributions**
- **Gain hands-on knowledge and application of traditional research principles, or the chance to work alongside an entrepreneur or startup company.**

HOW IT WORKS

PROGRAM FRAMEWORK

1

The Colloquium

The UROP Colloquium is a training course that seeks to introduce UROP participants to the basics of research, location of related campus resources, and getting started on a faculty-supported research project. The Colloquium will be instructed by your UROP Leader—an undergraduate student experienced in research—and meet every other week during the Fall and Spring semesters.

2

The Assistantship

With the help of your UROP Leader, you will select a faculty project to work on. In this assistantship with your Research Sponsor, you will have duties that vary by discipline and specific project, but may include tasks like preparing samples, collecting data, conducting interviews, or compiling sources. This inquiry-based assistantship lasts for two semesters.

3

The Presentation

All UROP students will present their work in the Spring Undergraduate Research Symposium, where they will showcase their contributions to Research Sponsors' projects. Part of the Colloquium will be to prepare you to present a poster at the symposium. One of the most important parts of research is sharing your findings with the rest of the academic community.

QUICK FAQs

UROP

GETTING STARTED

Eligibility

- UROP is open to first- and second-year undergraduates and transfer students in all majors
- Following satisfactory completion of the UROP student program, participants may inquire with CRE staff about opportunities to serve as future UROP Leaders and UROP Leader Mentors.

Time Commitment

- UROP requires a two-semester commitment lasting from Fall 2016 through Spring 2017
- UROP Colloquium classes are generally scheduled within two time slots, 5:15 to 6:30 p.m. or 6:40 to 7:55 p.m. every other Monday, Tuesday, Wednesday, or Thursday during the Fall 2016-Spring 2017 academic year.

What's the next step?

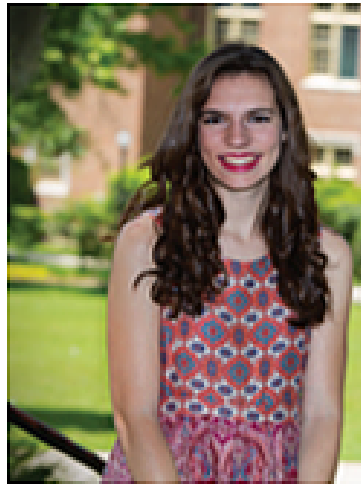
- Go to our site to learn more at:
cre.fsu.edu/Students/UROP-Undergraduate-Research-Opportunity-Program
- Contact our CRE Director or current UROP Leaders, information available bottom of UROP website page
- Be mindful of application deadlines, select the appropriate link, and

Apply



UROP Leaders: Profiles of Excellence

Alexa Pennavaria



- **Major:** Anthropology
- **Minor:** Museum Studies
- **Class of 2016**
- **UROP contribution:** She sincerely adores passing along the joys of research to younger students.
- **Research focus:** Alexa's research currently focuses on the trochlear angle of the humerus as a possible determination for biological sex using a collection of hunter gatherers from the Windover collection at FSU and several collections held in Tübingen, Germany.
- **Connect with her via email:** amp13s@my.fsu.edu

German Montero



- **Major:** Biochemistry
- **Class of 2017**
- **As a UROP leader....** He wants to recreate the incredible advising that his UROP leaders provided for him, and facilitate similar experiences for his students and make sure they have the optimum undergraduate experience that he could have ever aspired for.
- **Research background:** Attaining a deep admiration for academic research, German wanted to translate that experience into Florida State University and after attending all of Sir Harry Kroto's Lectures, he was awestruck to acquire a UROP assistantship within his lab. He works in studying the application of carbon fullerene materials, such as carbon nanotubes, in the creation of light, thin, and flexible batteries eventually hoping to design a rechargeable battery that is both thin and malleable.
- **Connect with him via e-mail:** gam13b@my.fsu.edu

Ashley Ward



- **Major:** Food and Nutrition Sciences
- **Minors:** Biology and Chemistry
- **Class of 2017**
- **Past UROP experiences and research:** Ashley joined UROP her sophomore year and it changed what college meant to her. Through UROP she discovered so many great opportunities our university has to offer, and she learned to take advantage of these opportunities. She recently received an Undergraduate Research and Creative Activity Award for her current research on Proteins that reorganize our DNA.
- **As a current UROP Leader,** she wants to inspire and guide students to do what they love and find how to make the absolute best of it.
- **Connect with her via e-mail:** alw13b@my.fsu.edu

Keval Patel



- **Majors:** Chemical and Biomedical Engineering
- **Class of 2017**
- **He became a UROP leader....** to help students transition into the world of research and help them realize the endless opportunities they have, the same way his UROP leaders helped him.
- **As a UROP student....** Keval assisted Dr. Teng Ma with his research studying the scalable expansion and thermal release of adult human mesenchymal stem cells on Micro-Carriers.
- **Connect with him via e-mail:** ksp13d@my.fsu.edu

2016-2017

UROP

**The Center for
Undergraduate**

CRE

**Research and Academic
Engagement**

**Honors, Scholars, and
Fellows House**

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Engagement (CRE)**

cre.fsu.edu

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