University of Miami
Summer Undergraduate Research Fellowship

Miami, FL

Elizabeth Feldman
Program Overview

• Introduce undergraduate students to projects experienced during postgraduate research training. This lends to an understanding of the planning, discipline, and teamwork involved in the pursuit of basic answers to current questions in the biological sciences.

• Sponsored by the Miller School of Medicine’s Office of Graduate Studies, the SURF Program offers participants the opportunity to choose from the biomedical sciences programs
  • Bacterial pathogenesis
  • Cancer biology
  • Gene expression / molecular genetics
  • Immunology
  • Neuroscience
  • Stem cell / regenerative medicine
Program Overview

• This program is ideal for students who are interested in **pursuing a career in lab-based non-clinical research**. Fellows will gain experience in modern research techniques, and have an opportunity to plan and execute an experimental strategy to answer a scientific question.

• Fellows will spend **10 weeks (May 20 to July 26)** pursuing research under the mentorship of a Principal Investigator (PI) or their designee. Students are paired with a UMMSM faculty member based on their research interests.

• The Sylvester Comprehensive Cancer Center (SCCC), Summer Undergraduate Research Fellowship (SURF) Program – (SCCC-SURF) offers participants the opportunity to be mentored by faculty from the Cancer Biology program.

• Over the ten weeks summer research program, participants will immerse themselves in cutting edge research projects and professional development activities.

• SURF participants receive a stipend, travel and accommodations.
Travel and Housing Accommodations

• $5,000 Stipend

• Housing provided in dorm style rooms on the Coral Cables campus

• Monthly Metrorail pass provided to commute between the Coral Cables campus and the Medical campus (where you work)
Daily Schedule

Monday - Friday
• 8:30 AM – 5:00 PM → Research in assigned labs (Hours may differ based on each lab’s schedule)
• Twice a week professional development seminars with lunch provided
  • Ex: Life as a Graduate Student; Reading and Critiquing Scientific Literature; Study Tips; Graduate and Medical School Opportunities
• Every three weeks, shadowing in the hospital: Pediatrics, Anesthesia, or Ophthalmology

Saturday
• Every other Saturday, group outings that include lunch, transportation, and ticket to event
• Mandatory for non-residents of South FL; Optional for residents of South FL
• Include Frost Science Museum; Fairfield Tropical Gardens Mango Festival; Bayside Boat Ride; Wynwood Walls; Crandon Park Beach Day

Sunday
• Free Day
Each fellow will write and submit an abstract

3 fellows will be chosen based on the abstract to give an oral presentation in a PowerPoint format

Every fellow will prepare and print a poster to present during the SURF end of program symposium

The top three posters will be recognized and awarded a cash prize
Application Requirements

• Eligibility
  • US Citizen or Permanent Resident
  • Rising undergraduate junior or senior
  • In good standing at current institution
  • Majoring in a science-based curriculum
  • Minimum cumulative GPA of 3.2 (4.0 scale)
  • Strong interest in pursuing a doctoral program in biomedical sciences
  • Past research experience is helpful but not required. They encourage under-represented and minority students to apply.

• 2 Letters of recommendation
• Written Personal Statement
• Unofficial Transcripts

http://biomed.miami.edu/apply/apply-summer-undergraduate-research-fellowship-surf
Contact Information

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