

RACHEL MONTALVAN

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EDUCATION

MS	Florida International University, Biomedical Engineering Advisor: Joshua Daniel Hutcheson	Present
BS	Florida International University, Biological Sciences	May 2015

HONORS AND AWARDS

Florida Medallion Scholarship
Sigma Alpha Lambda National leadership and Honors Organization
FIU “DRAWING I” exhibition – FIU Art Gallery

RESEARCH EXPERIENCE

Florida International University, Biomedical Engineering Department, Miami 2016 to Present

Student researcher, Tissue Engineering, Cardiovascular Matrix Research Lab, Joshua Hutcheson

- Project: Role of peripheral nerve innervation in normal and diseased aortic valve structure and function.

Florida International University, Marine Biology Department, Miami 2014 to 2015
Research Assistant, The Heithaus Lab, Phillip Matich

- Project: Roles of animals within their ecosystems and how changes in biotic and abiotic factors influence spatiotemporal pattern of predator effects in ecosystems. Current research focuses on habitat use and foraging ecology of juvenile bull sharks in the Shark River South; shark foraging and movement decisions. Research required the use of acoustic telemetry, stable isotope analysis, and predator and prey sampling.

PLTL, Miami 2013 to 2015
Supervisor

- Project: PTL research – following protocols and collecting data to determine whether PLTL improves student learning for all STEM disciplines.
- As a PLTL Supervisor responsible for reviewing and monitoring PLTL Leaders activities in order to achieve academic objectives. Ensuring data for research analysis was accurate and reliable.

PROFESSIONAL TRAINING

CERTIFICATIONS:

- Laboratory Safety Training: OSHA Laboratory Safety Standards Certificate
- Laboratory Hazard Awareness
- Fire Safety

- Environmental Awareness Part 1 & 2
- Small Spills and Leaks
- EPA Hazardous Waste Awareness & Handling
- Personal Protective Equipment
- Safe Use of Fume Hood
- Safe Use of Biosafety Cabinets
- Bloodborne Pathogens
- Safe Handling of Biomedical Waste
- HAZCOM- Hazard Communication

LANGUAGES

English: Fluent

Spanish: Fluent