

Florence Fields | PhD Student

Tel: +1 984-895-0095 | ffields@mail.sfsu.edu | 31 Diane Drive, Kingston, Rhode Island
02881, USA

Current Position

Graduate Student Researcher
University of Rhode Island | Department of Biological Sciences
Eco-Physiology and Environmental Epigenetics Lab | Dr. Hollie Putnam

Research Interest

I'm interested in the interactions between invertebrates with their environmental stressors, the changes in their physiological and morphological characteristics and transgenerational epigenetic effects in response to thermal stress and changes within their transcriptome, life histories and the role it all plays in their adaptive mechanisms.

Education

PhD. Evolution and Marine Biology University of Rhode Island Kingston, RI	Fall 2022 - Current
MSc. Marine Biology San Francisco State University San Francisco, CA GPA 3.9	Spring 2022
BSc. Biology Saint Augustine's University Raleigh, NC Cum Laude GPA 3.6	Spring 2020
AA. Geography, Law & History Barbados Community College Saint Michael, Barbados GPA 3.1	Spring 2015
High School Diploma The Deighton Griffith Secondary School Christ Church, Barbados	Spring 2013

Awards and Honors

Teaching Assistant 2022-2023

I taught 3 sections of Biology I lab during the fall and Marine Environmental Physiology lab during the spring.

Graduate Assistant Fall 2021

I graded all assignments in the physiology lab at San Francisco State University and gave assistance to students who required or needed help.

Miss 1914 2019- 2020

Crowned Miss 1914 after competing in the 2019-2020 Miss Phi Beta Sigma Pageant at the Saint Augustine's University.

1K tuition Grant 2019- 2020

I was granted a \$1000 scholarship after my submission of a 500-word essay I was chosen

Scholarship of Excellence 2019-2020

This scholarship was award after upon application with the criteria that my GPA was above 3.5 at the time of application

HBCU living legends Scholarship 2019- 2020

This scholarship was an essay submission which awarded \$1000 to one student from each Historically Black College or University located in North Carolina.

Miss STEM Club 2018-2019

I was awarded Miss STEM Club, this post required Mr. STEM and myself to be figure heads and to represent the STEM department..

Women's CIAA-Conference Cross Country Championship Honors Fall 2018

I placed in the top 15 at the CIAA-Conference Cross Country Championship which granted me honors for the year 2018-2019

Saint Augustine's University Athletic Scholarship 2017-2020

I was granted the Saint Augustine's University Athletic Scholarship for being a part of the track and field/ Cross Country teams during my enrollment.

Dean's List 2017-2020

This academic award was used to recognize a level scholarship demonstrated by myself.

Provost List 2017-2020

Higher than the Dean's list This academic award was used to recognize a level scholarship demonstrated by myself.

Research Experience

Graduate Researcher 2022 - current
University of Rhode Island| Kingston, RI| Dr. Hollie Putnam

Graduate Researcher 2020 – 2022
San Francisco State University| San Francisco, CA| Dr. Jonathon Stillman Lab

Undergraduate Researcher 2019 - 2020
Saint Augustine's University| Raleigh, NC| Dr. Tyrell Carr Lab
Project Focus: Monitoring plant NAD⁺-Capped RNA accumulation under different abiotic and biotic stresses

Undergraduate Researcher Summer 2019
The University of Delaware| Newark, DE| Dr. Angelia Seyfferth Lab
Project Focus: Impacts of silicon on chlorophyll content in rice tissues

Volunteer Experience

Earth Day Spring 2023
Kingston, RI
A science communication event hosted by URI's Student Action for Sustainability group. I assisted in setting up and taking down the Putnam Lab's booth as well as talking to children and adults about the research being done in the lab.

Science Saturday Fall 2022
Narragansett, RI
A science communication event hosted by URI's Graduate School of Oceanography. I assisted in setting up and taking down the Putnam Lab's booth as well as talking to children and adults about the research being done in the lab.

Chavis Community Center Spring 2010
Raleigh, NC
Supervised children between the ages of 4-7

Biology Tutor 2019 -2020

Saint Augustine's University, Raleigh, NC

I tutored biology to those who struggled in the subject and need help to understand the concepts taught.

Habitat for Humanity Volunteer

Summer 2019

Dover, Delaware

Assisted at the habitat for humanity store which sold furniture and other home appliances via labeling, stacking and storing. to raise funds for the organization.

Patient Care Assistant at New Horizon Assisted living LLC

Winter 2018

Bowie, MD

Assisted in entertaining the elderly patients, I also assisted the patient caregiver with her physical examinations such as blood pressure testing and household duties.

Boys and Girls Club

Spring 2018

Raleigh, NC

Supervised middle school children

Relevant Skills

Laboratory Skills

Nucleic Acid and Protein Isolation, Gel Electrophoresis, Molecular Cloning, PCR, Solution-Media Preparation, Bacterial Characterization and Staining, Plant Growth, Protein Quantification, Chromatography, Extractions, Crystallization, Filtering, Distillation, Chromatography, Spectrometry.

Computer Programs:

Microsoft Word, Excel and PowerPoint, RStudio, Google Docs, Sheets and Slides.

Training/Certificates

Graduate Entering Mentoring Training

Spring 2023

University of Rhode Island

Mental Health First Aid

Fall 2022

National Council for Mental Wellbeing

RCR for Biomedical Researchers

Fall 2022

CITI Program

Lab Chemical Safety

Fall 2022

CITI Program

Hazardous Waste Management Environmental, Health and Safety University of Rhode Island	Fall 2022
Lab Safety Environmental, Health and Safety University of Rhode Island	Fall 2022
Medication Technician	Fall 2021
Basic Life Support – BLS	Fall 2021
CPR / AED / First-Aid	Fall 2021
Autoclave Safety Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Advanced Chemical Hygiene/RTK Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Biosafety Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Bloodborne Pathogens Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Dry Ice Shipping Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
XRAY Device Safety Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Shop and Tool Safety Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Recombinant DNA Research Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Radioactive Materials Safety Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Fire Safety Training for Laboratories Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Undergraduate Lab Right-To-Know Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019

Chemical Waste Disposal Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Compressed Gas and Gas Cylinder Safety Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
High Hazard Chemical Training Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Hydrofluoric Acid Safety Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
Laboratory Ventilation Safety Issued by BioRAFT on behalf of the University of Delaware	Summer 2019
New Graduate Student Safety Orientation Issued by BioRAFT on behalf of the University of Delaware	Summer 2019

Society/Organizations

Black in Marine Science	2023 - current
Black Student Union	2023- current
Graduate Assistants United	2022 - current
American Association of Advanced Science	2021 - current
Women in Science and Engineering at the San Francisco State University	2021-2022
Saint Augustine's University Stem Club	2019 -2020
Saint Augustine's University NESBE Chapter	2019 -2020
Alpha Kappa Mu Honors Society	2018-2020
International Student Organization	2017- 2020
United Youth Leaders of Barbados	2011-2017

Workshops

Diversity & Inclusion Badge Program (DIBP)

Spring 2023

A customizable micro-credential program that is aligned with URI's diversity, equity, inclusion, and social justice goals.

- Analyzed the concept of the social construction of difference and manifestations of this concept within the U.S. Aspects of identity development, explicit and implicit prejudice, inequality, privilege, and oppression within the U.S. Aspects of the impact of discrimination and inequalities, effective problem solving or conflict resolution skills related to diversity and inclusion and appropriate communication styles to engage in difficult dialogues.

Safe Zone Workshop

Spring 2023

Trained students on LGBTQ awareness, knowledge, and support and how to increase those attributes. How to build a visible support network of LGBTQ Allies on URI's campus; and how to improve the campus climate for LGBTQ people at URI.

Summer Coding Immersion Program (SCIP)

Summer 2020

Learned how to code in R using the Udacity course: Data Analysis with R

- Manipulated and analyze different data sets
- Used different functions to visualize and manipulate data

Professional Conferences

Oral Presenter – Florence Fields

Fields, E.F., Limmer, M, Lule, A.D.V, Watson, G, Seyfferth, AL. The impacts of silicon on rice tissues. Annual Biomedical Research Conference for Minority Students Anaheim, CA. November 2019.

References

Dr. Tyrell Carr
Assistant Professor

Department of Biological and Physical Sciences
Saint Augustine's University
Raleigh, NC 27610
Email: tcarr@st-aug.edu

Dr. Jonathon Stillman
Professor
Department of Biology
San Francisco State University
San Francisco, CA 94132
Email: stillmaj@sfsu.edu