102 Penthouse Dr

Birmingham AL 35205

**EDUCATION**

$4,468 Undergraduate Research Opportunities Program Fall 2015

$250 Associated Students of the University of Hawaii Fall 2015

Academic Achievement Scholarship

$2,000 Winona Piilani Char Scholarship Fall 2014

$4,964 Undergraduate Research Opportunities Program Fall 2014

$10,000 Undergraduate Research Opportunities Program Spring 2014

$750 Associated Students of the University of Hawaii Spring 2014

Academic Achievement Scholarship

$1,763 UH Botany Department Merit Scholarship Fall 2013

$9,000 National Science Foundation Scholarship Fall 2011

**GRANTS & AWARDS**

Bredin, Coral R., Gonsalves, Dane, Thomas, Michael B., Walker, Melissa, Kai, Noweo, and Daisy Dean. “An Assessment of Critically Endangered Plant Species of the Kingdom of Tonga.” May 2015. Conference Paper.

Bredin, Coral R., Gonsalves, Dane, Thomas, Michael B., Walker, Melissa, Kai, Noweo, and Daisy Dean. “Appendix A.” May 2015. Supplementary materials.

**PUBLICATIONS**

**Bachelor of Science:** University of Hawaii at Manoa, Honolulu, HI. 2016.

Major: Botany. GPA: 3.68, *cum laude with honors*.

Advisor: Alison Sherwood

Research: *A Comparison of Periphyton Diversity using Illumina Sequencing*

**Associate in Science:** Waubonsee Community College, Sugar Grove, IL. 2011.

Major: Biology. GPA: 3.67, *cum laude with academic honors*.

Advisor: David Voorhees

Research: *Efficacy of Herbal Extracts as Antimicrobials*

**Associate in Applied Science:** Illinois Central College, East Peoria, IL. 1998.

Major: Nursing. GPA: 3.056.

A career scientist focused on contributing to the knowledge and scope of the study of algal viruses and their host phytoplankton.

Phycological Society of America

Society of Herbarium Curators

Delta Phi Alpha National German Honors Society

Phi Beta Kappa National Honors Society

Alpha Sigma Lambda Honors Society

American Nurses Association

Undergraduate Showcase, Honolulu, HI May 2016.

Oral Presentation.

Comparison of Periphyton Diversity using Illumina Sequencing.

Undergraduate Showcase, Honolulu, HI Fall 2014.

Oral and Poster Presentation.

1st Place in Natural Sciences

Algal Diversity in Hawaiian Streams

Illinois Skyway Collegiate Conference, IL Spring 2012.

Poster Presentation.

1st Place in Biological Sciences:

Efficacy of Herbal Extracts

**CONFERENCE ATTENDANCE**

**AFFILIATIONS**

Melissa Walker

630.486.2926

PROFESSIONAL PROFILE

Graduate Teaching Assistant

sfidemw@uab.edu

**HONORS &**

**RECOGNITION**

Honorable Mention

NSF GRFP

May 2018

Graduated with Honors

University of Hawaii Manoa

May 2016

Graduated with Honors

Waubonsee Community College

May 2011

**TEACHING EXPERIENCE**

**REFERENCES AVAILABLE UPON REQUEST**

Graduate Teaching Assistant

University of Alabama Birmingham

[storm@uab.edu](mailto:storm@uab.edu)

2018-2019

BOT 105A: Intro to Ethnobotany

University of Hawaii Manoa

[alchock@hawaii.edu](mailto:alchock@hawaii.edu)

Spring 2016

BOT105A: Intro to Ethnobotany

University of Hawaii Manoa

[alchock@hawaii.edu](mailto:alchock@hawaii.edu)

Spring 2014

PEPS 630: Plant Virology

University of Hawaii Manoa

Guest lecture on algal viruses

[johnhu@hawaii.edu](mailto:johnhu@hawaii.edu)

Spring 2014

$656 Associated Students of the University of Hawaii Spring 2016

Biocultural Lecture Series: Sam Gon, III

$500 Student Activity and Program Fee Board Spring 2015

Amy Greenwell Service Learning Trip

$1188 Student Activity and Program Fee Board Fall 2013

A Visit with the Smithsonian: Rusty Russell

$1375 Student Activity and Program Fee Board Fall 2013

Amy Greenwell Service Learning Trip

$2045 Student Activity and Program Fee Board Spring 2013

A Visit with National Geographic: Maria Fadiman

**COLLABORATIVE GRANTS FOR STUDENT ACTIVITIES**

Undergraduate Showcase, Honolulu, HI. Oral Presentation. Spring 2016

Undergraduate Showcase, Honolulu, HI. Oral Presentation. Fall 2015

Undergraduate Showcase, Honolulu, HI. Oral and Poster Presentation. Fall 2014

1st Place in Natural Sciences: Algal Diversity in Hawaiian Streams

Illinois Skyway Collegiate Conference Spring 2012

1st Place in Biological Sciences Division: Efficacy of Herbal Extracts

**Teacher**, Science Sundays, Central Baptist Church: 2016 – 2018.

**Treasurer**, Ethnobiology Society at UH Manoa: 2012 – 2016.

**U.S. National Park Svc Volunteer**, Kalapaupa National Historic Park: Spring 2015.

**Amy B.H. Greenwell Ethnobotany Garden Volunteer**, Island of Hawaii: Spring 2014.

**PRESENTATIONS**

**Research Assistant**, Sherwood Lab, University of Hawaii 2014 - 2016

Thesis: *A Comparison of Periphyton Diversity using Illumina Sequencing*

**Kahoolawe Island Reserve Commission (KIRC)** Fall 2015

Plant restoration work on the island of Kahoolawe, survey for invasive

species at access sites

**U.S. National Park Service,** Hawaii Volcanoes National Park Fall 2014

Algal and biotic surveys of anchialine ponds along the coast from Keahou

to Apua Point

**Field School, Kingdom of Tonga** Summer 2014

Surveyed critically endangered plants and created a species recovery plan

for the Tongan government

**Hawaii Xplorer’s Program:** Expedition memberSummer2013

Biotic surveys of the Ainapo Trail, Mauna Loa

**U.S. National Park Service**, Haleakala National Park Spring 2013

Biotic surveys of the National park hiking trails

**National Science Foundation Scholar**, Waubonsee Comm College 2011-2012

Thesis: *Efficacy of Herbal Extracts as Antimicrobials*

**SERVICE**

**RESEARCH & FIELD EXPERIENCE**