

Claire E. Marino
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Education:

- University of Connecticut**, Storrs, CT August 2023 - Present
- Doctoral student in the Department of Ecology and Evolutionary Biology; co-advised by Dr. Robert Bagchi and Dr. Karolina Heyduk
- Bucknell University**, Lewisburg, PA Graduated May 2023
- Bachelor of Arts with Honors in Biology with a minor in English Literary Studies; Summa Cum Laude
 - Final GPA: 3.94/4.00
 - Mean GPA for students taking the same set of courses (GPAM): 3.61/4.00
- Victor Senior High School**, Victor, NY Graduated June 2019
- NYS Regents Diploma with Advanced Designation with Honors, Summa Cum Laude

Honors and Awards:

- Dean's List**—Bucknell University Each completed semester at Bucknell
- Awarded to each student who achieves a 3.50 or higher GPA for the semester
- Botanical Society of America Undergraduate Student Research Award** April 2021
- For the proposal: *Solanum* sp. 'Deaf Adder,' a New Bush Tomato Species from the Australian Monsoon Tropics; 12 undergraduate students received the award in 2021
- Barry Goldwater Scholarship** Awarded March 2022, applies to 2022-2023 Academic Year
- Awarded to college students by the Barry Goldwater Scholarship and Excellence in Education Foundation who intend to pursue a career in research concerning the natural sciences, mathematics, or engineering. Students selected receive up to \$7500 per year until graduation; 417 students selected in 2022
- Gamma Beta Chapter of Mortar Board Honor Society Membership** Awarded April 9, 2022
- Members of Mortar Board are selected for their outstanding achievements and their dedication to helping others, and who exemplify the organization's ideals of scholarship, leadership and service
- Phi Beta Kappa Honor Society Membership** Awarded April 7, 2022
- Founded in 1776, Phi Beta Kappa emphasizes academic excellence, which recognizes and encourages a breadth and depth of knowledge and both academic and personal integrity.
- Alpha Iota Chapter of Phi Sigma Honor Society** Awarded March 2023
- A national honor society for undergraduate biology majors. Composed of students who have shown excellence in their major through their scholarship, research and service activities in the biology and related programs
- Bucknell Sustainability Symposium 1st Place Best Poster Award** Awarded April 14, 2023
- Awarded to the best undergraduate student poster presentation at the poster session of the Bucknell Sustainability Symposium
- Botanical Society of America Young Botanist Award** Awarded April 2023

- Offers individual recognition to outstanding graduating seniors in the plant sciences and to encourage their participation in the Botanical Society of America.

William P. Boger Jr., M.D. Award

Awarded April 2023

- Awarded annually by the Bucknell Department of Biology to an outstanding senior who has indicated a desire to spend their career in medicine or the biological sciences.

Jorgensen Fellowship

Applied beginning August 2023

- Awarded to graduate students with the intent to recruit and support the most promising applicants to the University of Connecticut's graduate programs for five years.

Research Experience:

Research Assistant; Bucknell University, Biology Department

Fall 2020 - Spring 2023

- Worked with Dr. Christopher Martine to distinguish the "Deaf Adder" *Solanum* plant, a species native to Australia, from its closest relatives, *Solanum sejunctum* and *Solanum asymmetriphyllum*. Have taken physical measurements of and documenting botanical specimens of Deaf Adder; working with R to analyze data; manuscript in prep.
- Successfully defended and completed an honors thesis which utilized population genomics methods to aid in clarifying the taxonomic and evolutionary relationships within the *Solanum dioicum* clade. Traveled to Western Australia for the month of June in 2022 to collect data and make observations relevant to this project.

Presentations

NCUR 2021 (Virtual)

April 12-14, 2021

- Marino C.E., Williams T.M., Martine C.T. 2021. *Solanum* 'Deaf Adder', a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: National Conference on Undergraduate Research 2021; Virtual
- Presented progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation.
- Link to video: <https://www.youtube.com/watch?v=7IV8CpKDZKQ>

Bucknell Kalman Symposium 2021 (Virtual)

April 17, 2021

- Marino C.E., Williams T.M., Martine C.T. 2021. *Solanum* 'Deaf Adder', a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: Bucknell Kalman Symposium 2021; Virtual
- Presented progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation. See video for NCUR 2021.

Botany 2021 (Virtual)

July 18-23, 2021

- Marino C.E., Williams T.M., Martine C.T. 2021. *Solanum* 'Deaf Adder', a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: Botany 2021; Virtual
- Presented updated progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation.
- Link to video: <https://www.youtube.com/watch?v=3RG7EPH4Xgg>

SVURS 2021 (Virtual)

July 28, 2021

- Marino C.E., Williams T.M., Martine C.T. 2021. *Solanum* 'Deaf Adder', a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: Susquehanna Valley Undergraduate Research Symposium 2021; Virtual
- Presented updated progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation. See video for Botany 2021.

Pennsylvania Botany 2021 (Virtual)

November 6, 2021

- Marino C.E., Williams T.M., Martine C.T. 2021. Using Comparative Morphology to Describe a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: Pennsylvania Botany Symposium 2021; Virtual
- Presented updated progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation.
- Link to video: <https://pabotany.org/2021-virtual-pennsylvania-botany-symposium/> or <https://epostersonline.com/pab2021/node/64>

SICB+ 2022 (Virtual)

January 14-March 31, 2022

- Marino C.E., Williams T.M., Martine C.T. 2022. Using Comparative Morphology to Describe a New Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented at: SICB+ 2022; Virtual
- Presented updated progress on *Solanum* 'Deaf Adder' new species research thus far via a poster presentation. See video for Pennsylvania Botany 2021.

Botany 2022

July 24-27, 2022

- Marino C.E., Williams T.M., Martine C.T. 2022. *Solanum acanthopisum*: a New Dioecious Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented in person at Botany 2022 in Anchorage, Alaska.
- Presented updated progress on *Solanum acanthopisum* new species research thus far via a poster presentation.

SICB+ 2023 (Virtual)

- Marino C.E., Williams T.M., Martine C.T. 2023. *Solanum acanthopisum*: a New Dioecious Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented virtually at SICB+.
- Presented updated progress on *Solanum acanthopisum* new species research thus far via a poster presentation.

Bucknell Kalman Symposium 2023

April 1, 2023

- Marino C.E., Williams T.M., Martine C.T. 2023. *Solanum acanthopisum*: a New Dioecious Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented virtually at SICB+.
- Presented updated progress on *Solanum acanthopisum* new species research thus far via a poster presentation.

Bucknell Sustainability Symposium 2023

April 14, 2023

- Marino C.E., Williams T.M., Martine C.T. 2023. *Solanum acanthopisum*: a New Dioecious Bush Tomato Species from the Australian Monsoon Tropics. Poster session presented virtually at SICB+.
- Presented updated progress on *Solanum acanthopisum* new species research thus far via a poster presentation.

Botany 2023

July 23-26, 2023

- Marino C.E., Sain M.P., Williams T. M., Martine C.T. 2023. Cleaning the variable mess: a population genomics approach to understanding the evolutionary history of a complicated plant group. Oral paper presented in person at Botany 2023 in Boise, Idaho.
- Presented data and findings from research from honors thesis.

Papers

In prep: Marino C.E., Williams T.M., Martine C.T. “*Solanum acanthophisum*: a New Dioecious Bush Tomato Species from the Australian Monsoon Tropics.” To be sent to *Phytokeys*.

Relevant Courses- Ecology and Evolutionary Biology Degree, Graduate

Population Genetics (EEB 5348)	Fall 2023 (IN PROGRESS), UConn
Preparing for a Career in EEB (EEB 5100)	Fall 2023 (IN PROGRESS), UConn
Current Topics in Biodiversity (EEB 5369)	Fall 2023 (IN PROGRESS), UConn
Introduction to Natural History Collections (EEB 5500)	Fall 2023 (IN PROGRESS), UConn

Relevant Courses- Biology Major, Undergraduate

Introduction to Molecules and Cells (BIOL 205)	Fall 2019, Bucknell University
Organismal Biology (BIOL 206)	Spring 2020, Bucknell University
Plants, People, and the Environment (BIOL 150)	Spring 2020, Bucknell University
Genetics (BIOL 207)	Summer 2020, Bucknell University
Neurobiology (BIOL 375)	Fall 2020, Bucknell University
Principles of Chemistry (CHEM 205)	Fall 2020, Bucknell University
Organic Chemistry I (CHEM 211)	Spring 2021, Bucknell University
Philosophy of Logic (PHIL 103)	Spring 2021, Bucknell University
Principles of Ecology & Evolution (BIOL 208)	Spring 2021, Bucknell University
Limnology (BIOL 334)	Fall 2021, Bucknell University
Philosophy of Biology (PHIL 272)	Fall 2021, Bucknell University
Statistics I (MATH 216)	Fall 2021, Bucknell University
Polar Biology (BIOL 3TR)	Spring 2022, DIS Copenhagen
Field Botany (BIOL 351)	Fall 2022, Bucknell University
Mammalogy (BIOL 313)	Spring 2023, Bucknell University
Mentored Undergraduate Research (BIOL 399)	Fall 2021, Fall 2022, Spring 2023, Bucknell University
➤ ½ credit (6 hours per week) Fall 2021	
➤ 1 credit (10-12 hours per week) Fall 2022 and Spring 2023	

Relevant Courses- Literary Studies Minor, Undergraduate

The 19th Century English Novel (ENLS 284)	Spring 2021, Bucknell University
Young Adult Fiction (ENLS 220)	Fall 2021, Bucknell University
European Storytelling: From Myth to Marvel (ENLS 2TR)	Spring 2022, DIS Copenhagen

19th Century Women Writers (ENLS 370)
Masculinity in Modern American Drama (ENLS 393)

Fall 2022, Bucknell University
Spring 2023, Bucknell University

Teaching Assistantship Experience

General Ecology (EEB 2244E)

Fall 2023, UConn

- Lead 2 discussion sections per week in which students complete activities connected to lecture content; assists with grading.

Biology Tutor

Spring 2023, Bucknell University

- Through Bucknell's Teaching and Learning Center; offer one-on-one tutoring sessions for Biology for Non-Majors (BIOL 121) and Integrated Concepts in Biology (BIOL 204)
- Mentor new and lower-level student staff members

Student Fellowship Advisor

August 2022 - February 2023, Bucknell University

- Through Bucknell University's Office of Undergraduate Fellowships & Research; primarily assisted students applying for the Gilman Scholarship, which supports Pell recipients studying abroad
- Conducted outreach efforts to help students and faculty learn about scholarship opportunities

Study Group Facilitator

Fall 2020 - Fall 2021, Fall 2022, Bucknell University

- Through Bucknell's Teaching and Learning Center; facilitated groups for Intro to Molecules and Cells (BIOL205, Fall 2020), Organismal Biology (BIOL206, Spring 2021), and Genetics (BIOL 207, Fall 2021); facilitated for Integrated Concepts in Biology (BIOL 203) in Fall 2022.
- Mentor new and lower-level student staff members

Professional Society Memberships:

Society for Integrative and Comparative Biology (SICB)

2020 - Present

American Society of Plant Taxonomists

2020 - Present

Botanical Society of America

2020 - Present

Campus Activities:

Bucknell Orchestra

Fall 2019 - Spring 2023

- Participate in weekly rehearsals of either full orchestra or chamber music groups depending on the semester; performed in concerts prior to COVID-19 pandemic; returning in Fall 2022 after studying abroad in Spring 2022 semester

Bucknell Biology Club

Fall

2020 - Spring 2023

- President for 2022-2023 academic year
- Vice President for Fall 2021 semester (studied abroad in Spring 2022 semester)
- Participate in and help plan club meetings and materials, such as a nature walk on the Bucknell Farm and biology trivia Kahoots. Currently working to organize a student-led practice thesis defense event.

Bucknell Student Chapter of the Botanical Society of America

Fall 2021 - Spring 2023

- Co-President for Fall 2021 semester and 2022-2023 academic year (studied abroad in Spring 2022 semester); participate in and plan club events, such as volunteering to help with a local tree planting and a day trip to a local farm attraction.

Volunteerism

Bucknell Faculty Selection Process

Spring 2021,

Spring 2023

- Participated in group interviews of potential neuroscience faculty at Bucknell and provided brief feedback in Spring 2021
- Attended lunches with potential literary studies department hires and provided brief feedback in Spring 2023

Bucknell CAS Mentor Collective

Spring 2021 - Jan 2023

- Act as a peer mentor and provide academic and social advice for incoming students

@iamraybucknell Instagram Takeover

August 2-8, 2021

- Helped run a Bucknell Instagram account dedicated to providing insight into student life with other members of my lab; organized and helped to write posts for the week