

**Amber Wolf, MA, BA**

Boston University, College of Health and Rehabilitation Sciences: Sargent College, Boston, MA  
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**Education:**

Boston University, Boston MA 2021-2022  
Master of Arts in Psychology, Psychological and Brain Sciences Department. GPA - 4.0

College of the Atlantic, Bar Harbor ME 2013 – 2017  
Bachelor's in Human Ecology, Concentration in Biology (Molecular Genetics, Botany, Conservation, and Wildlife Ecology). GPA – 3.8

**Awards, Recognitions and Grants:**

- New England Educational Opportunity Association (NEOA) Rising Star Award 2021
- Nomination for VEOP Achiever Award 2019
- Maine Space Grant, Bar Harbor, ME 2017
- College of the Atlantic Presidential Scholarship, Bar Harbor, ME 2013 – 2017
- Nomination for the Goldwater Scholarship 2016
- First place for "Best Presentation," MDI Biological Laboratory 2015
- VSAC Vermont Honor Scholarship Program, VSAC 2014
- New Hampshire Charitable Foundation Scholarship, Concord, NH 2014
- Vermont Scholarship Endowment, Vershire, VT 2013
- The Vermont Community Foundation Scholarship, Middlebury, VT 2013

**Memberships:**

- APA Graduate Student Membership

**Publications and Presentations:**

Northeast Natural History Conference April 22 – 24, 2016  
Sheraton Springfield Hotel, Springfield, MA

- Talk and poster presentation of "Is Stress at the Root of Eelgrass Decline in Frenchman Bay?" Research performed at the MDI Biological Laboratory.

Acadia Science Symposium and DEREN Convergence Conference October 7, 2015  
Schoodic Institute at Acadia National Park

- Poster presentation of "Is Stress at the Root of Eelgrass Decline in Frenchman Bay?" Research performed at the MDI Biological Laboratory.

Sixth Northeast Regional IDeA Conference September 25, 2015  
Bar Harbor Club, Bar Harbor, ME

- Poster presentation of "Is Stress at the Root of Eelgrass Decline in Frenchman Bay?" Research performed at the MDI Biological Laboratory.

Summer Student Symposium August 7, 2015  
MDI Biological Laboratory, Bar Harbor, ME

- Oral Presentation “Is Stress at the Root of Eelgrass Decline in Frenchman Bay?”  
Research performed at the MDI Biological Laboratory.

## Research:

Clinical Research Coordinator, Approach Motivation and Participation Lab July 5, 2022 – Present

Boston University, College of Health and Rehabilitation Sciences: Sargent College, Boston, MA

- Participant recruitment, clinical assessment, running study sessions, supervision and training of research assistance to assist with data collection, management of study documents, helping to coordinate and attend weekly lab meetings.

Research Assistant, Drummond Lab September 7, 2020 – August 13, 2021  
MDI Biological Laboratory, Bar Harbor, ME

- Collecting, evaluating, and interpreting research data to provide needed information regarding kidney regeneration to principal investigators or other researchers, contributing to publications and reports, fluorescent microscopy, staying abreast of appropriate literature, animal care and husbandry.

Maine Healthy Beaches May – Sept. 2019  
MDI Biological Laboratory, Bar Harbor, ME

- Collecting water samples in whirl packs from several popular swimming areas around the town of Bar Harbor, ME. Other observations and variables are measured, such as weather conditions, air and water temperature, wildlife, presence of people and boats, etc. Water samples are prepared with media and poured and sealed in a quanti-tray. Samples are incubated at 41°C and read for bacteria counts after 24 hours.

Bar Harbor Cruise Ship Monitoring Report May – Nov. 2018  
MDI Biological Laboratory, Bar Harbor, ME

- Water quality monitoring around incoming cruise ships in the town of Bar Harbor. Variables that were measured included water temperature, *enterococcus* bacteria, dissolved oxygen, biological oxygen demand, transparency, turbidity, salinity, dominant phytoplankton species, nutrients including, nitrate and nitrite, silica, phosphorus, and chlorine. <https://www.barharbormaine.gov/DocumentCenter/View/3042/Cruise-Ship-Monitoring-Report-2018>

Park Research Permit from Acadia National Park Jan. – May 2017  
College of the Atlantic and Acadia National Park

- A park permit allowing me to do research and collection within Acadia National Park for my senior project: Population Genetics of Beavers, Exploring the Insularity of the Mount Desert Island to Maine’s Mainland Populations.

Natural History and Conservation of Costa Rica Jan. – Mar. 2016  
College of the Atlantic, and Costa Rica

- An intensive research course with weekly meetings in Bar Harbor, followed by a two and a half week immersion in Costa Rica focused on field research.

Summer Research Fellowship May 2015 – Aug. 2015  
MDI Biological Laboratory, Bar Harbor, ME

- Conducting research to determine causes of eelgrass decline in the upper Frenchman Bay, including: RNA extraction, Reverse Transcriptase, rtq-PCR, and statistical analysis.

Phytoplankton and Watershed Monitoring and DNA Analysis April – May 2015  
Mount Desert Island Biological Laboratory, Bar Harbor, ME

- Collecting and analyzing water samples through strict procedures to count specific bacteria. Other components included DNA extractions, running PCR and gels.

### **Teaching and Education:**

Online Course in Introduction to Psychology April – May 2020  
Coursera.org, Introduction to Psychology, Dr. Paul Bloom, Yale University

HELIO (Human Ecology Lab Island Odyssey) Participant August – September 2017  
College of the Atlantic, Bar Harbor, ME and Ōsaki-Kamijima Japan

- Launch a new era in Japanese higher education and found a new Japanese college.

Teacher's Assistant for Biology 1 Jan. 2016 – Mar. 2016  
College of the Atlantic, Bar Harbor, ME

Teacher's Assistant for Edible Botany Sep. 2015 – Nov. 2015  
College of the Atlantic, Bar Harbor, ME

Teacher's Assistant for Biology 1 and Biology 2 January 2014 – June 2015  
College of the Atlantic, Bar Harbor, ME

### **Employment History:**

Clinical Research Coordinator July 5, 2022 – Present  
Boston University, College of Health and Rehabilitation Sciences: Sargent College, Boston, MA

Developing research methods, collecting and analyzing data related to severe mental illness and loneliness, forming relationships with related organizations, and understanding early intervention methods for those with severe mental illness and psychosis.

- Responsibilities include: Participant recruitment, clinical assessment, running study sessions, supervision and training of research assistance to assist with data collection, management of study documents, helping to coordinate and attend weekly lab meetings.

Research Assistant September 7, 2020 – August 13, 2021  
MDI Biological Laboratory, Bar Harbor, ME

Collecting, evaluating, and interpreting research data to provide needed information regarding kidney regeneration to principal investigators or other researchers, contributing to publications and reports, staying abreast of appropriate literature, animal care and husbandry.

- Responsibilities include: Understanding research, regulatory standards, and scientific principles to conduct research procedures, reviewing scientific literature, collecting and documenting data, conducting tests and experiments, maintaining documentation, communication, and training others in laboratory techniques.

Education Projects and Training Lab Coordinator

June 4, 2018 – September 5, 2020

MDI Biological Laboratory 159 Old Bar Harbor Rd, Bar Harbor ME, 04609

Work on environmental projects in the Community Environmental Health Lab, lead the Maine Healthy Beaches program through our lab for the town of Bar Harbor, work in the education office to organize seminars, track past students, update policies, lead the sponsorships program, etc., coordinate and maintain the training laboratory. Act as the high school and/or undergraduate summer fellow resident advisor and organize and assist to teach the communication course from June – August.

- Responsibilities include: Cruise ship monitoring program implementation, year round phytoplankton monitoring, water quality testing for bacteria, arsenic removal testing for water filters, eelgrass density data collection, seminar program oversight, course and conference marketing and promotion, course sponsorship, incoming course preparation, course participant tracking, course director/faculty communications, training lab inventory, set-up and clean-up, training lab equipment maintenance and calibration, education web pages updates, student handbook updates, residential life policy updates, grant writing, advertising and marketing, social media management, and management support.

*Skills developed*

Water quality testing, phytoplankton monitoring, following scientific protocol carefully, logging data, taking field/lab notes, attention to detail, InDesign, marketing strategies, communications, creative problem solving, and communicating between departments.

California Academy of Sciences

Temporary: Oct. – Nov. 2017

55 Music Concourse Dr, San Francisco, CA 94118

Provide top quality customer service while also teaching museum participants about our different exhibits and the science behind the facts.

- Responsibilities included: working well with the general public, having a full and comprehensive understanding of the museum and the exhibits, good communications skills, being an empowered employee.

*Skills developed*

Working independently, explaining science to a broad audience, communication with all people, and confidence in making executive decisions.

Farm Crew Member (Seasonal)

June – Aug. 2013, June – Aug. 2014, June – Oct. 2017

Crossroad Farm, 671 W Fairlee Rd, Fairlee, VT 05045

Harvesting vegetables – for the farm stand, restaurants, and food co-ops – working at the farm stand selling the produce, and taking care of the crops.

- Responsibilities included: working efficiently and quickly, hard work in most weather conditions, heavy lifting, people skills, math skills, learning quickly, using my own judgment, setting up and maintaining the farm stand, and communicating with other workers.

*Skills developed*

Taking charge, asking important of questions, learning quickly, enthusiastically doing hard work, learning from my mistakes, confidence in my job performance, being able to work quickly and efficiently, learning a routine and teaching others.

Resident Advisor

August 2014 – June 2017

College of the Atlantic, 105 Eden Street, Bar Harbor, ME 04609

Advising peers through academic and personal situations, serving as a liaison between students and staff, and creating a safe, supportive community for other students. Participated in a two week intensive training every summer.

- Responsibilities include: Informing students of policies and rules, being available for residents in need, mediating conflict, emergency response and incident reports, maintenance and safety, and appropriately confronting and reporting inappropriate behavior and social misconduct.

*Skills developed*

Leadership, working as a team, community building, time management, careful listening, identifying red flags and warning signs, resolving conflict, and training in handling difficult situations.

Alexander Dickey Conservation Internship

June – August 2016

Vermont Center for Ecostudies, 20 Palmer Ct, White River Junction, VT 05001

Point count surveys of mountain top birds, loon conservation work – surveying ponds and lakes searching for nest sites and chicks, - data checking, online database knowledge.

- Responsibilities included: Hiking and camping for multiple days at a time, identifying bird songs and calls, kayaking and canoeing to point locations, building and deconstructing loon nesting signs, taking data, entering data, and checking data.

*Skills developed*

Bird identification, point count data collection, handheld GPS navigation, and community outreach.

**Other Work Experience:**

NAMI Maine Mental Health Support Group Facilitator

November 2020 – August 2021

- Co-facilitate Mental Health Support Groups for a minimum of 12 consecutive months after completion of a two day training, via Zoom.

Research Assistant Volunteer

August 2019 – May 2020

MDI Biological Laboratory, Coffman Lab, Bar Harbor, ME

- Research in the Coffman Lab focuses on how environmental conditions can influence early development, which later affects adult health, physiology, and anatomy. During the embryonic stages of development, I allocate certain concentrations of cortisol into the petri dishes of zebrafish (*Danio Rerio*), while a control group receives a vehicle treatment. Once the fish have reached five days post hatching under treatment conditions, I am able to evaluate the behavior between the two groups and assess how elevated basal cortisol levels in development, analogous to a mother enduring extreme stress during pregnancy, affect the newly developed fish.

Veterinary Volunteer

April 2017-June 2017

Acadia Veterinary Hospital, Bar Harbor, ME

**Other Experience:**

Cultural Immersion – WorkAway

December 2018 – May 2019

Countries visited: New Zealand, Australia, Italy, Switzerland, France, Scotland, England, Ireland.

Homestay jobs included: Gardening, farming (vegetable and dairy), childcare, preparing and assisting in Italian culinary classes, caring for livestock and farm animals, tending to a wine vineyard, tending to an olive grove, assisting at farmer's markets.

**Skills and Certifications:**

Polymerase Chain Reaction, DNA extraction, scientific writing, data entry, RNA extraction and isolation, reverse transcription, fluorescence microscopy, CRISPR injections, statistical data analysis, phytoplankton monitoring, water quality testing, Microsoft Office (Word, Excel, PowerPoint), SPSS, Peak Scanner, ApE Software, InDesign, CPR, GIS, poster building, public speaking, community building, teaching.

**References:**

- Dr. Nishanta Rajakaruna  
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