

Hannah E. Oswalt

1300 University Blvd, Campbell Hall 464, Birmingham, AL 35294

hannaheoswalt@gmail.com

RESEARCH INTERESTS

Impact of ocean acidification on the physiology of marine organisms, shifts in marine community structure under global climate change, and conservation

EDUCATION

Ph.D. student, Department of Biology , University of Alabama at Birmingham	Fall 2019 - Present
<i>Advisor:</i> Charles D. Amsler, Ph.D.	
GPA: 4.0 out of 4.0	
B.S., Biology , University of Alabama in Huntsville	Graduated May 2019
GPA: 3.93 out of 4.0	
B.S., Secondary Education , University of Alabama in Huntsville	Graduated May 2019
GPA: 3.93 out of 4.0	

FELLOWSHIPS

<i>Blazer Graduate Research Fellow</i> , University of Alabama at Birmingham, \$26,000 per year	Fall 2019- Spring 2021
--	------------------------

GRANTS

Not Funded

<i>Graduate Research Fellowship Program</i> , National Science Foundation	Fall 2019
---	-----------

SCHOLARSHIPS

<i>Alabama Math and Science Teacher Education Program</i> , University of Alabama in Huntsville, Alabama, \$1000	Spring 2019
<i>Charger Distinction</i> , University of Alabama in Huntsville, AL, <i>Full Tuition</i> ~\$4865 per semester	2015-2018

TRAVEL GRANTS

Phycological Society of America Hoshaw Travel Award , \$1335	2022
---	------

AWARDS

Dean's List , University of Alabama in Huntsville	Spring 2015-Spring 2019
--	-------------------------

PUBLICATIONS

Non-Peer Reviewed

Oswalt H.E. (2021) Do male crickets create symphonies? *American Genetic Association*
<https://blog.theaga.org/do-male-crickets-create-symphonies/>

Oswalt H.E. (2020) Digging for knowledge... and nematodes. *The Molecular Ecologist*
<https://www.molecularecologist.com/2020/04/03/digging-for-knowledge-and-nematodes/>

PRESENTATIONS

Conferences

Oswalt H.E., Amsler M.O., Amsler C.D., McClintock J.B., Klein A.G., Iken K., Galloway A.W.E. (2022) Does ice cover impact macroalgal chemical composition in the Western Antarctic Peninsula? Southeastern Phycological Colloquy, Georgetown, South Carolina, USA. Oral Presentation.

Oswalt H.E., Amsler M.O., Amsler C.D., McClintock J.B., Klein A.G., Iken K., Galloway A.W.E. (2022) Does ice cover impact macroalgal chemical composition in the Western Antarctic Peninsula? Scientific Committee on Antarctic Research, Virtual conference. E-poster presentation.

Oswalt H.E., Amsler M.O., Amsler C.D., McClintock J.B., Klein A.G., Iken K., Galloway A.W.E. (2022) Does ice cover impact macroalgal chemical composition in the Western Antarctic Peninsula? Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, USA. Poster presentation.

RESEARCH EXPERIENCE

University of Alabama at Birmingham (UAB), Biology Department, Graduate Research Assistant
 August 2019- Present

- Collect and prepare macroalga samples
- Perform spectrophotometry and titrations on seawater samples
- Quantify lipids, carbohydrates, and proteins from algal samples

University of Alabama in Huntsville (UAH), Biology Department, Volunteer Research Assistant
 August 2018- December 2018, Huntsville, AL

- Collected and extracted DNA samples from dogs
- Performed PCR on samples
- Ran gel electrophoresis

OUTREACH AND EDUCATION

Volunteer Teaching Assistant, UAB	Summer 2020
Q&A Panelist, Zaandam Cruise USAP Q&A	December 2019
Member, S.T.E.M. Outreach Club at UAB	Fall 2019 – Fall 2020
Co-artist, American Society for Microbiology Agar Art Contest	Fall 2019
Student Teacher Intern, Huntsville City Schools	January 2019 – May 2019
Biology recitation leader, Department of Biology, UAH	August 2017 – December 2018

CERTIFICATIONS

DAN Diving First Aid for Professional Divers	September 2019
PADI Open Water	May 2019
Alabama Professional Educator Certificate in General Science	May 2019

MEMBERSHIPS

Phycological Society of America	Since 2022
---------------------------------	------------

PROFESSIONAL HONOR SOCIETIES

<i>Phi Kappa Phi Honor Society</i> , University of Alabama in Huntsville	2017
<i>National Society of Leadership and Success</i> , University of Alabama in Huntsville	2016