

Alexis Hunter Hollander

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EDUCATION:

- [Current] **Ph.D. Ecology**, University of Wyoming
Faculty Advisor: Dr. Jeffrey Beck
Project: Assessing impacts of wind farm development on the habitat use and reproduction of the greater sage grouse (*Centrocercus urophasianus*)
- [2022] **M.S. Marine Science**, Virginia Institute of Marine Science, College of William and Mary
Department: Fisheries Science
Faculty Advisor: Dr. Roger Mann
Committee: Drs. Mary Fabrizio, Eric Powell, and Donglai Gong
Project: A retrospective analysis of Atlantic Surfclam (*Spisula solidissima*) growth and distribution in the context of a changing ocean
- [2019] **B.S. Biology *summa cum laude***, University of Wisconsin-Stevens Point, Stevens Point, WI,
GPA: 4.0
Minors: Chemistry and German
GRE: verbal reasoning: 160 (85th percentile); quantitative reasoning: 163 (79th percentile); analytical writing: 5.0 (91st percentile)

RESEARCH EXPERIENCE:

- [2019-2022] Analyzing retrospective patterns in Atlantic Surfclam growth to investigate impacts of climate change on species distributions. VIMS, Gloucester Point, VA, supervisor Dr. Roger Mann
- [2017-2019] Cataloging, drawing, and photographing Native American projectile points and other artifacts for the Archaeology Department with the University of Wisconsin-Stevens Point (UWSP), Stevens Point, WI, Supervisor Dr. Ray Reser
- [2015-2019] Cataloging, measuring, identifying, and photographing Eocene fossil specimens for the Paleontology Lab with UWSP, Stevens Point, WI, Supervisor Patricia Zellmer
- [2019] Identifying algal samples from Lake George, NY. UWSP, Stevens Point, WI, Supervisor Dr. Robert Bell
- [2019] The effects of road salt on the growth and survival of freshwater snails (*Helisoma* sp.), performed statistical analysis and plotting in R, UWSP, Stevens Point, WI, supervisor Dr. Sarah Orlofske
- [2018] Joint Institute for the Study of the Atmosphere and Ocean (JISAO) Research Internship for Undergraduates, set up developmental series of fish species, collected morphometric and pigment data, and trained in clearing and staining

techniques with the Alaska Fisheries Science Center, Seattle, WA, Supervisor Dr. Alison Deary

TEACHING EXPERIENCE:

- [2020] College Science Teaching Course, Virginia Institute of Marine Science
- [2016-2018] Taught lab techniques and protocol for new members of the UWSP Paleontology Lab
- [2017] Biology Lab Teaching Assistant, Ecology and Evolution, UWSP
- [2016-2017] Camp Woodland for Girls Farm Zoo Director, planned and organized daily lessons for campers of ages 8-15, taught different aspects of ecology and biology
- [2012-2018] Ski Instructor and Snow Sports School supervisor, Cascade Mountain, Portage, WI

OUTREACH:

- [2022] University of Wyoming Program in Ecology Financial Committee, raise and allocate program funds for scholarships, events, and awards
- [2022] Letters to a Pre-Scientist, engaged with middle schoolers about their interests in science through a series of hand-written letters over the course of the 2022-2023 academic year, fostering an appreciation for science and increasing awareness that women and underrepresented groups belong in STEM fields
- [2021-2022] VIMS Graduate Student Association Secretary, support VIMS graduate students by facilitating conversations between students and administration and holding programs of interest to graduate students
- [2021] National Shellfisheries Association 2021 conference poster session moderator
- [2018] JISAO intern, demonstrated scientific method for elementary and middle school students
- [2018] NOAA AFSC Science Camp volunteer, demonstrated plankton sampling methodology for 7th grade students, assisted junior leaders with interview and networking skills
- [2018] Ichthyology and Aquarium Science Society of Stevens Point (IASSSP) volunteer, demonstrated fish sampling methods and bird identification for citizens in Wisconsin Master Naturalist course
- [2016-2018] UWSP Collection Crawl Volunteer, educated and answered questions for public about UWSP Paleontology and Archaeology collections
- [2015] UWSP STEM Day for Girls volunteer, encouraged interest in STEM fields and answered questions for 8th grade students

HONORS, AWARDS, AND FELLOWSHIPS:

- [2021] Jimmy Alcivar-Artega Travel Award, National Shellfisheries Association, \$100
- [2020] **National Science Foundation: Non Academic Research Internship for Graduate Students (INTERN) Supplemental Funding, \$54,927**
- [2020] Strickland Family Fellowship, Virginia Institute of Marine Science, \$1,150
- [2020] **Honorable Mention, National Science Foundation Graduate Research Fellowship Program**
- [2019-2022] Institutional Fellowship, Virginia Institute of Marine Science, tuition and stipend
- [2019] VIMS Foundation Fellowship, Virginia Institute of Marine Science, \$1,000
- [2019] **Albertson Medallion Award, University of Wisconsin-Stevens Point**
- [2019] **Chancellor's Leadership Award, UWSP**
- [2019] Distinguished Achievement Award, UWSP College of Letters and Science
- [2019] Faculty Research Award, UWSP Biology Department
- [2019] Peter Kroner Scholarship for Excellence in the Study of German, UWSP
- [2018] **Frank R. Haeni Ornithology Award, UWSP Biology Department**
- [2018] Joseph & Margaret Schmauss Award for Excellence in the German Language, UWSP
- [2018] Student Government Association and US Bank Scholarship for Academic Merit, UWSP
- [2017] John F. Weiler Foreign Language Award for Excellence in the German Language, UWSP
- [2016] Robert S. and Ventura V. Neale Memorial Scholarship for Continuing Students, UWSP
- [2015] Academic Excellence Scholarship, State of Wisconsin Higher Educational Aids Board
- [2015] Wisconsin Covenant Grant, State of Wisconsin Higher Educational Aids Board
- [2015] Saint-Gobain Performance Plastics Scholarship, Saint-Gobain Performance Plastics
- [2015] River Crossing Environmental Scholarship, River Crossing Environmental Charter School Board
- [2015] Neale Alumni Honors Freshman Scholarship, UWSP
- [2015] Fueling for Success Environmental Scholarship, Crawford Oil

CONTRIBUTED PRESENTATIONS:

*Undergraduate Student

Hollander AH 2021. "A retrospective analysis of Atlantic Surfclam (*Spisula solidissima*) growth and distribution in the context of a changing ocean". Thesis defense. Virginia Institute of Marine Science, April 2022

Hollander AH 2021. "A retrospective analysis of Atlantic Surfclam (*Spisula solidissima*) growth and distribution in the context of a changing ocean". Science Center for Marine Fisheries Industry Advisory Board Meeting, New Orleans, Louisiana, March 2022

Hollander AH 2021. "Temporal and spatial variation in growth in the Atlantic Surfclam *Spisula solidissima*". American Fisheries Society Annual Meeting, Baltimore, Maryland November 2021

Hollander AH 2021. "Retrospective Analysis of Age and Growth in the Atlantic Surfclam *Spisula solidissima*". Science Center for Marine Fisheries Industry Advisory Board Meeting, Annapolis, Maryland, October 2021

Hollander AH 2021. "Retrospective Analysis of Age and Growth in the Atlantic Surfclam

Spisula solidissima". Science Center for Marine Fisheries Industry Advisory Board Meeting (virtual), April 2021

Hollander AH 2021. "Retrospective analysis of age and growth rate in Atlantic surfclams". VIMS Department of Fisheries Science Seminar, March 2021

Hollander AH 2020. "Retrospective Analysis of Age and Growth Rate in the Atlantic Surfclam *Spisula solidissima*". Science Center for Marine Fisheries Industry Advisory Board Meeting (virtual), December 2020

Hollander AH 2020. "Temporal and Spatial Comparisons of Growth in Surfclam (*Spisula solidissima*)". Science Center for Marine Fisheries Industry Advisory Board Meeting (virtual), April 2020

Manning N*, **AH Hollander***, B Dunbar*, and SA Orlofske. 2019. "The effects of road salt on the growth and survival of freshwater snails (*Helisoma* sp.)". (Poster). Wisconsin Wetlands Association's Wetland Science Conference, Madison WI, February 2019

Hollander AH*, M Busby, M Paquin, and AL Deary. 2018. "Larval Identification of two Sand Lance Species (*Ammodytes* spp.)". (Poster) Summer Internship Research Symposium, Seattle WA, August 2018

Hollander AH*, M Busby, M Paquin, and AL Deary. 2018. "Larval Identification of two Sand Lance Species (*Ammodytes* spp.)". (Poster) Joint Institute for the Study of the Atmosphere and Ocean Research Internship for Undergraduates Conference, JISAO, Seattle WA, August 2018

Duzell M*, **AH Hollander***, M Kluge*, C Kazik*, N Daun*, C Shafranski* (high school), RP Reser, and P Zellmer. 2017. "Using the UWSP Paleontology Collection to Demonstrate Lyell's Geologic Tenant 'The Present Is The Key To The Past.'" (Poster) UWSP College of Letters and Science Research Symposium, Stevens Point, WI, May 2017.

RESEARCH SHIP EXPERIENCE

2021, *F/V Pursuit*, Mid Atlantic Bight clam sampling research cruise, North Atlantic continental shelf (USA), 6 days

AFFILIATIONS WITH PROFESSIONAL SOCIETIES:

National Shellfisheries Association

SKILLS AND CERTIFICATIONS:

Proficient skills in light microscopy and imaging

Proficient in the German Language

Proficient understanding of R and Photoshop

Experience with high-performance liquid chromatography (HPLC), nuclear magnetic resonance (NMR), Gas-chromatography mass spectrometry, UV-vis spectrophotometry

Taxonomy and identification skills for birds of Wisconsin and the Midwestern United States

Taxonomy and identification skills for freshwater algae and freshwater and marine fish

6 years of downhill ski instruction experience, beginner and intermediate, Cascade Mountain
Wisconsin Hunter Safety (2010)
Wisconsin Boater Safety (2017)
CPR/AED/First Aid, American Heart Association (2016)

REFERENCES

Roger Mann, PhD
Professor
Department of Fisheries Sciences
Virginia Institute of Marine Science, College of William and Mary
Gloucester Point, VA
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Christopher Hein, PhD
Associate Professor
Department of Physical Sciences
Virginia Institute of Marine Science, College of William and Mary
Gloucester Point, VA
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Robert Bell
Professor Emeritus
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University of Wisconsin-Stevens Point
Stevens Point, WI
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