

Jonathan Michael Huie

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EDUCATION

- 2020 – pres. Ph.D. student in Biology (with emphasis on systematics, evolution, and ecology)
George Washington University, Washington, DC
Advisor: Dr. Sandy Kawano
- 2015 – 2019 B.S. in Aquatic and Fishery Sciences & Marine Biology Double Major
University of Washington, Seattle, WA
Advisor: Dr. Luke Tornabene

PROFESSIONAL POSITIONS

- 2020 – pres. NSF Graduate Research Fellow, George Washington University
2019 – 2020 Micro-CT Lab Technician, Friday Harbor Laboratories

PEER-REVIEWED PUBLICATIONS (U = undergraduate student)

5. **Huie JM**, Prates I, Bell RC, de Queiroz K. 2021. Convert patterns of adaptive radiation between island and mainland *Anolis* lizards. *Biological Journal of the Linnean Society* 134(1): 85-110.
4. **Huie JM**, Thacker CE, Tornabene L. 2020. Co-evolution of cleaning and feeding morphology in western Atlantic and eastern Pacific gobies. *Evolution* 74(2): 419-433.
3. George MN, Andino J, **Huie JM**, Carrington E. 2019. Microscale pH and dissolved oxygen fluctuations within mussel aggregations and their implications for mussel attachment and raft aquaculture. *Journal of Shellfish Research*, 38(3) 795-809.
2. **Huie JM**, Summers AP, Kolmann MA. 2019. Body shape separates guilds of rheophilic herbivores (Myleinae: Serrasalminae) better than feeding morphology. *Proceedings of the Academy of Natural Sciences in Philadelphia* 166(1): 1-15.
1. Kolmann MA, **Huie JM**, Evans KM, Summers AP. 2018. Specialized specialists and the narrow niche fallacy: a tale of scale-feeding fishes. *Royal Society open science* 5(1): 171581.

PUBLICATIONS IN REVIEW AND IN PREP

2. **Huie JM**, Summers AP. *In prep.* The effects of soft and rough substrates on suction-based adhesion. *Journal of Experimental Biology*.
1. Woodruff EC^U, **Huie JM**, Summers AP, Cohen KE. *In review.* Pacific Spiny Lumpsucker armor - development, damage, and defense in the intertidal. *Journal of Morphology*.

RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

- 2021 George Washington University Student Travel Funds – SICB **(\$515)**
2020 NSF Graduate Research Fellowship **(\$138,000)**
2019 Friday Harbor Laboratories Student SICB Travel Funds – SICB **(\$250)**
2019 UW Undergraduate Research Conference Travel Award – Evolution **(\$563)**
2018 UW Undergraduate Research Conference Travel Award – SICB **(\$573)**
2018 Best Student Presentation, Gilbert Ichthyological Society
2018 Levinson Emerging Scholars Award **(\$7,000)**
2018 Melvin Anderson Memorial Scholarship **(\$2,000)**
2018 NSF REU Internship at the Smithsonian National Museum of Natural History **(\$6,000)**

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- 2018 Mary Gates Research Scholarship **(\$5,000)**
- 2017 College of the Environment Student Travel Fund – SICB **(\$402)**
- 2017 School of Aquatic and Fishery Sciences Travel Award – SICB **(\$500)**
- 2017 Friday Harbor Labs Ellie Dorsey Best Student Presentation Award **(\$200)**
- 2017 Wilbert McLeod Chapman Memorial Scholarship **(\$1,000)**
- 2017 Mary Gates Endowment Scholarship **(\$1,250)**
- 2016 Friday Harbor Laboratories Financial Aid **(\$500)**
- 2015 Hearing Loss Association Scholarship **(\$1,000)**

TEACHING EXPERIENCE

- 2021 **Guest Instructor:** Mid-Atlantic Funky Morph Users Group, Intro to 3D Slicer (1 session)
- 2021 **Teaching Assistant:** George Washington University, BISC 3123, Human Physiology Lab (1 semester)
- 2020 **Teaching Assistant:** George Washington University, BISC 1111, Intro Biology Lab (1 semester)
- 2016 **Field Trip Leader,** University of Washington, BIOL 250, Marine Biology (1 quarter)

MUSEUM AND FIELD EXPERIENCE

- 2021 – pres. Collection of salamanders in the field (Virginia)
- 2021 Visiting Researcher, University of Washington Friday Harbor Laboratories
- 2019 Visiting Researcher, Harvard Museum of Comparative Zoology
- 2018 Visiting Researcher, UC Berkeley Museum of Vertebrate Zoology
- 2018 Visiting Researcher, California Academy of Sciences
- 2019 Visiting Researcher, Smithsonian National Museum of Natural History

INVITED SEMINARS AND PRESENTATIONS

- 2021 **Huie JM** Scale scrapers & parasite pickers: many ways to build a specialist. Joint Meeting for Ichthyologists and Herpetologists, Invited symposium speaker. Phoenix, AZ.
- 2019 **Huie JM** Heroes and villains: Using microCT to study the evolution of interspecific relationships in fishes. Friday Harbor Labs, Friday Harbor, WA.

PRESENTATIONS

- 2021 **Huie JM**, Pyron RA, Kawano SM. Do you have a second moment to talk about salamander limbs? George Washington University Harlan Research Symposium. (Poster)
- 2021 **Huie JM**, Hall KC, Summers AP, Conway, K.W. Stick with it: potential convergent evolution of eco-morphotypes in clingfishes. Society for Integrative and Comparative Biology. *Best student presentation competitor for the Division of Vertebrate Morphology.* (Oral, virtual)
- 2020 **Huie JM**, Tornabene L. A family of thrifty sifters: morphological variation of winnowing gobies. Joint Meeting for Ichthyologists and Herpetologists. Norfolk, VA. (Meeting cancelled due to Covid-19)
- 2020 **Huie JM**, Thacker C, Tornabene L. Co-evolution of cleaning and morphology in Caribbean and eastern Pacific gobies. Society for Integrative and Comparative Biology, Austin, TX. (Oral)
- 2019 **Huie JM**, Thacker C, Tornabene L. Co-evolution of cleaning and morphology in Caribbean and eastern Pacific gobies. Gilbert Ichthyological Society, Eatonville, WA. (Oral)

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- 2019 **Huie JM**, Tornabene L. Co-evolution of cleaning and morphology in Caribbean neon gobies. Joint Meeting for Ichthyologists and Herpetologists, Snowbird, UT. *Best student presentation competitor for the Frederick H. Stoye Ichthyology Award*. (Oral)
- 2019 **Huie JM**, Prates I, Bell RC, de Queiroz K. Morphological diversification of mainland *Draconura* clade anoles. Evolution, Providence, RI. (Oral)
- 2019 **Huie JM**, Tornabene L. Co-evolution of morphology and cleaning in Caribbean cleaner gobies. University of Washington Undergraduate Research Symposium, Seattle, WA. (Oral)
- 2019 **Huie JM**, Summers AP, Kolmann MA. Body shape and feeding morphology explain ecological differences in riverine herbivorous fishes. Society for Integrative and Comparative Biology, Tampa, FL. (Oral)
- 2018 **Huie JM**, Evans KM, Summers AP, Kolmann MA. Diversity of tooth form and function in scale-feeding fishes. Gilbert Ichthyological Society, Blue River, OR. *Won best student presentation*. (Oral)
- 2018 **Huie JM**, Prates I, Bell RC, de Queiroz K. Morphological and ecological diversity of mainland *Draconura* clade anoles. National Museum of Natural History, Smithsonian Institution, Washington, D.C. (Poster)
- 2018 **Huie JM**, Summers AP, Kolmann MA. Are all herbivores created equal? Linking diet and morphology in phytophagous pacus. University of Washington Undergraduate Research Symposium, Seattle, WA. (Oral)
- 2018 **Huie JM**, Evans K, Summers AP, Kolmann MA. Ontogeny of jaw biomechanics in lepidophagous fishes. Society for Integrative and Comparative Biology, San Francisco, CA. (Poster)

CO-AUTHORED PRESENTATIONS

- 2021 Kolmann MA, MacLeod L, Racy JM, **Huie JM**, Donatelli CM, Summers AP. Carnivorous Grazers Part Deux! Form and function in scale-feeding and fin-feeding Neotropical fishes. Joint Meeting for Ichthyologists and Herpetologists. Phoenix, AZ.
- 2021 Palecek-McClung AM, **Huie JM**, Cohen KE, Donatelli CD, Summers AP. Stuck on you: How pelvic girdle morphology influences adhesion. Society for Integrative and Comparative Biology. (Poster, virtual)
- 2020 Kolmann MA, Hughes LC, Evans K, **Huie JM**, Orti G, Hernandez LP. Carnivorous grazers? How to build scale-feeding and fin-feeding fishes from less egregious relatives. Society for Integrative and Comparative Biology, Austin, TX. (Oral)
- 2018 Kolmann, MA, **Huie JM**, Evans KM, Summers AP. View to a keel: aggression, armor, and scale-feeding in piranhas. Society for Integrative and Comparative Biology, San Francisco, CA. (Oral)

PROFESSIONAL SERVICE

Reviewer for: *Journal of Zoology* (1)

- 2021 Panelist for GWU CCAS Info Session on the NSF GRFP
- 2021 Panelist for CAS Systematics Institute Info Session on Grad School
- 2021 Co-organizer of the Mid-Atlantic Funky Morph Users Group
- 2020 – pres. Outreach Associate, *Integrative Organismal Biology* (SICB)
- 2019 – 2020 Trained researchers how to micro-CT scan at Friday Harbor Labs, WA
- 2018 – 2019 Editor of *FieldNotes*, an undergraduate-run research journal

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OUTREACH

2019 Polar Science Weekend volunteer, Pacific Science Center, Seattle, WA
2019 *Labs Unlocked*, UW Burke Fish Collection, Seattle, WA
2019 SAFS Open House volunteer, University of Washington, Seattle, WA
2018 *Scientist Is In*, Smithsonian National Museum of Natural History, Washington, DC
2016 – 2017 Intern for the Coastal Observation and Seabird Survey Team
2017 Scientist in the classroom, Spring Street School, Friday Harbor, WA
2016, 2017 Volunteer, Open house at Friday Harbor Laboratories, Friday Harbor, WA
2016 Scientist in the classroom, Friday Harbor Elementary, Friday Harbor, WA
2016 Scientist in the classroom, Stillpoint School, Friday Harbor, WA

PROFESSIONAL AFFILIATIONS

2017 – pres. Society for Integrative and Comparative Biology; DCB, DVM
2019 – 2021 Society for the Study of Evolution
2019 American Society of Ichthyologists and Herpetologists
2018 – 2020 Gilbert Ichthyological Society
2017 – pres. PADI Open Water

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