

Curriculum Vitae

Bryan Hernandez Juarez

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Position: NSF PostDoc
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Education

2021	PhD	Ecology and Evolutionary Biology	Iowa State University
2015	MS	Ecology and Evolutionary Biology	University of Michigan, Ann Arbor
2013	BS	Zoology <i>with Honors</i>	University of California, Santa Barbara
2013	BS	Geological Sciences	University of California, Santa Barbara

Awards, Fellowships, Grants

22.	NSF Postdoctoral Research Fellowship		2021
21.	SICB Charlotte Mangum Student Support Prog. Travel Award		2020
20.	ISU EEOB Grad. Student Org. Travel Scholarship	\$ 250	2019
19.	ISU EEOB Professional Development Grant	\$ 500	2019
18.	ASIH Student Diversity and Inclusion Award	\$ 1,000	2019
17.	Cal. Acad. Michele L. Aldrich Collections Research Grant	\$ 1,458	2018
16.	ISU EEOB Dept. Travel Grant	\$ 100	2018
15.	ISU Grad College Professional Advancement Grant	\$ 200	2018
14.	SACNAS Best Grad. Student Oral Presentation in EEB		2017
13.	SACNAS Travel Award		2017
12.	Nantucket Phylogeny DevelopE Bootcamp Travel Award		2016
11.	NSF Graduate Research Fellowship		2015
10.	ISU AGEF 5-year Fellowship		2015
9.	ISU EEB Dept. 1 st year Fellowship		2015
8.	Emerging Researchers National Conference NSF Travel Award		2014
7.	On To the Future GSA Travel Award (Paleontological Society)	\$ 580	2014
6.	UM Museum of Zoology Ichthyology Grant	\$ 1,037	2014
5.	UM Rackham Graduate Student Research Grant	\$ 1,450	2014
4.	UM Rackham Graduate School Block Grant	\$ 1,450	2014
3.	UCSB EEMB Dean Bazzi Memorial Award	\$ 500	2013
2.	Undergraduate Diversity at Evolution NESCent Travel Award		2012
1.	UCSB Undergraduate Research and Creative Activities Grant	\$ 750	2011

Publications

4. **Juarez, BH**; Moen, DS; and Adams, DC. Macroevolutionary patterns of jumping dimorphism in anurans in relation to habitat use. Submitted. 2021. *Journal of Evolutionary Biology*.
3. **Juarez, BH** and Adams, DC. Evolutionary allometry of sexual dimorphism of jumping performance in anurans. Submitted. 2021. *Evolutionary Ecology*.
2. **Juarez, BH**; Moen, DS; and Adams, DC. 2020. A morphological method to approximate jumping performance in anurans for macroevolutionary studies. *Evolutionary Biology* 47:260-271.
1. **Juarez, BH**; Speiser, DL; and Oakley, TH. 2019. Macroevolution of ostracod eyes and body size along the ecogeographical gradient of ocean depth. *Evolution* 73(6): 1213-1225.

Publications–In prep.

2. **Juarez, BH** and Sallan, LC. The tempo and mode of ecomorphological evolution in Paleozoic lobe-finned fishes (Sarcopterygii).
1. Zaharoff, AK; **Juarez, BH**; Rivera, AS; and Oakley, TH. Description and phylogenetic position of *Euphilomedes asinatante* (Ostracoda: Myodocopida: Philomedidae), a new marine species from Caribbean coastal waters of Panama.

Professional Service & Broader Impacts

Peer Reviewer

4. *Biological Journal of the Linnean Society*. 2021
3. *American Naturalist*. 2021
2. *Amphibia-Reptilia*. 2020
1. *PLoS ONE*. Reviewer and Editorial Board Thank You. PLoS ONE 12: e0174259. <https://doi.org/10.1371/journal.pone.0174259> 2016

Service

13. Panelist at Oregon State University PNW LSAMP Conference 2021
12. Panelist at ISU SACNAS CV/Resume Workshop 2021
11. Panelist at SICB Ask-an-Expert Booth 2021
10. ISU EEB Graduate Student Organization President 2020-2021
9. ISU SACNAS Secretary 2020-2021
8. ISU EEB Graduate Student Organization Vice President 2019-2020
7. ISU SACNAS Secretary 2019-2020
6. ISU EEOB Facilities Committee Graduate Representative 2019-2020
5. ISU EEB Program Curriculum Committee Graduate Representative 2018-2019
4. ISU SACNAS Associate President 2018-2019

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| 3. | ISU EEOB Dept. Seminar Committee Graduate Representative | 2017-2018 |
| 2. | ISU SACNAS Social Media Coordinator | 2015-2017 |
| 1. | Active recruitment for UM EEB Dept. at Evolution 2014 | 2014 |

Leadership

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| 11. | ISU SACNAS Graduate Interviews Workshop–Coordinator | 2018 |
| 10. | ISU SACNAS Application Materials Workshop–Coordinator | 2018 |
| 9. | ISU STEM Scholars Application Materials Workshop–Coordinator | 2018 |
| 8. | ISU SACNAS Life as a Graduate Student Workshop–Coordinator | 2017 |
| 7. | ISU EEB Diversity Reading Group–Coordinator | 2015-2017 |
| 6. | ISU SACNAS Introduction to R Workshop–Coordinator | 2016 |
| 5. | White Rock Conservancy BioBlitz–Herp Group Leader | 2016 |
| 4. | White Rock Conservancy BioBlitz–Herp Group Leader | 2015 |
| 3. | D(etroit)-Town Farm BioBlitz–Herp Group Leader | 2015 |
| 2. | UM EEB Dept. Writing Group–Coordinator | 2015 |
| 1. | UM EEB Save the Frogs Event–Coordinator | 2015 |

Mentorship

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| 4. | Mattie Gose. (Undergraduate Researcher). Adams Lab.
Project: Natural history of poorly known anurans (AmphibiaWeb) | 2020-2021 |
| 3. | Andres Vargas. (Undergraduate Researcher). Adams Lab. Project:
Morphological data collection | 2018-2020 |
| 2. | Abby Klahs. (Undergraduate Researcher). Adams Lab.
Project: Geographical presence data collection | 2018 |
| 1. | Erika Suessmith. (Undergraduate Researcher). Adams Lab.
Project: Collecting stratigraphic data | 2017 |

Teaching Experience

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| 8. | ISU Intro Bio Lab | Lab Instructor | 2021 |
| 7. | ISU Vert Bio Lab | Lab Instructor | 2020 |
| 6. | ISU Vert Bio Lab | TA (Lab Development) | 2020 |
| 5. | ISU Vert Bio Lab | Lab Instructor | 2019 |
| 4. | ISU Intro Bio (Lecture Slides Design) | TA (Accessibility Focus) | 2019 |
| 3. | UM Intro Bio Lab | Lab Instructor | 2014 |
| 2. | UM Intro Bio Lab | Lab Instructor | 2013 |
| 1. | UM Intro Bio Lab | Lab Instructor | 2013 |

Conferences & Symposia

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| 19. | ISU EEB Recruitment Symposium | Oral | 2021 |
| 18. | ISU EEB Recruitment Symposium | Oral | 2020 |
| 17. | <i>Society for Integrative and Comparative Biology</i> ; Austin, Texas
Juarez, BH ; Moen, DS; Adams, DC. Morphology predicts
Interspecific jumping performance in frogs. | Oral | 2020 |
| 16. | <i>Joint Meeting of Ichthyologists and Herpetologists</i> ; Snowbird, Utah | | |

- Juarez, BH**; Moen, DS; Adams, DC. Morphology predicts Interspecific jumping performance in frogs. Oral 2019
15. ISU EEB Recruitment Symposium Oral 2019
14. *Society for Systematic Biologists*; Columbus, OH 2018
13. SACNAS; Salt Lake City, Utah
- Juarez, BH**; Moen, DS; Adams, DC. Morphology predicts jumping performance in frogs. Oral 2017
12. *Joint Meeting of Ichthyologists and Herpetologists*; Austin, Texas
- Juarez, BH**; Moen, DS; Adams, DC. Morphology predicts jumping performance in frogs. Oral 2017
11. ISU EEB Recruitment symposium Oral 2017
10. *Society for Systematic Biologists*; Ann Arbor, MI 2015
9. *Geobiology Symposium XXIII*, University of Pennsylvania 2015
8. *Emerging Researchers National Conference*; Washington D.C.
- Juarez, B. H.** and Sallan, L. C. The ecomorphological evolution of lobe-finned fishes (Sarcopterygii) during the Paleozoic. Oral 2015
7. *Geological Society of America*; Vancouver, Canada
- Juarez, B. H.** and Sallan, L. C. The ecomorphological evolution of lobe-finned fishes (Sarcopterygii) during the Paleozoic. Oral 2014
6. *Evolution*; Raleigh, North Carolina
- Juarez, B. H.** and Sallan, L. C. The ecomorphological evolution of lobe-finned fishes (Sarcopterygii) during the Paleozoic. Poster 2014
5. *UCSB Undergraduate Research Colloquium*
- Juarez, B. H.**; Speiser, D. L.; and Oakley, T. H. Eyes and the deep ocean: The energy-dependent evolution of eye size in cylindroleberidid ostracods. Poster 2014
4. *Evolution*; Ottawa, Canada
- Juarez, B. H.**; Zaharoff, A. K.; Rivera, A. S.; and Oakley, T. H. Re-evolution of female eyes in *Euphilomedes asinatante* (Ostracoda:Myodocopida: Philomedidae), a new marine species from Caribbean coastal waters of Panama. Poster 2012
3. *UCSB Undergraduate Research Colloquium*
- Juarez, B. H.**; Zaharoff, A. K.; Rivera, A.; and Oakley, T. H. Re-evolution of female eyes in *Euphilomedes asinatante* (Ostracoda:Myodocopida: Philomedidae), a new marine species from Caribbean coastal waters of Panama. Poster 2012
2. *CalPaleo*; Riverside, California 2012
1. *7th European Ostracodologist's Meeting*; Graz, Austria 2011

Invited and Contributed Lectures

6.	Ohio Wesleyan U Zool 331 Vertebrate Anatomy	Invited	2020
5.	Georgia Southern U Biomechanics Lab	Invited	2019
4.	ISU EEB Lunchinators	Contributed	2018
3.	ISU Amphibians and Reptiles Club	Invited	2017
2.	ISU Biol 256 Human Physio	Invited	2017
1.	ISU Biol 335 Prin Human and Anim Physio	Invited	2016

Professional Society Membership

2019-	Society for Integrative and Comparative Biology (<i>SICB</i>)
2017-	Society for Advancement of Chicanos/Hispanics and Native Americans in Science (<i>SACNAS</i>)
2017-	American Society of Ichthyologists and Herpetologists (<i>ASIH</i>)
2015-	Society for Systematic Biologists (<i>SSB</i>)
2014	Society for the Study of Evolution (<i>SSE</i>)
2014	Paleontological Society
2014	Geological Society of America (<i>GSA</i>)

Workshops Attended

2016	Nantucket Phylogeny DevelopR Bootcamp Coordinated by A Wright, K Schliep, L Revell University of Massachusetts Boston's Nantucket Field Station
2015	Introduction to Geometric Morphometrics using R Coordinated by DC Adams, M Collyer, and A Kaliontzopoulou CIBIO, Vairão, Portugal
2015	SSB Historical Biogeography Coordinated by J Sukumaran University of Michigan, Ann Arbor
2015	SSB Bayesian Methods for Estimating Divergence Times Coordinated by TA Heath University of Michigan, Ann Arbor
2013-2015	Geometric Morphometrics Coordinated by ML Zelditch University of Michigan, Ann Arbor
2014	Writing Group Mentoring Coordinated by Sweetland Center for Writing University of Michigan, Ann Arbor
2014	Preparing Future Faculty Coordinated by UM Rackham Graduate School University of Michigan, Ann Arbor

References

Dean C. Adams, *PhD* (PhD advisor),
Iowa State University, EEOB

dcadams@iastate.edu

Daniel S. Moen, *PhD* (Collaborator)
Oklahoma State University, Integrative Biology

daniel.moen@okstate.edu

Todd H. Oakley, *PhD* (Undergraduate thesis advisor),
University of California, Santa Barbara, EEMB

oakley@lifesci.ucsb.edu