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DEPARTMENT OF INTEGRATIVE BIOLOGY  
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EDUCATION

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Ph.D. in progress	University of Wisconsin-Madison Integrative Biology	2018-present
B.S.	University of Wisconsin-Madison Biology, Anthropology	2017

RESEARCH AND EMPLOYMENT

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*RESEARCH*

2018-present	Ph.D. student, Sharma Lab (Integrative Biology)
2018	Research intern, Sharma Lab (Integrative Biology)
2015-2017	Undergraduate research assistant, Sharma Lab (Integrative Biology)
2015	Undergraduate research assistant, Hawks Lab (Anthropology)

*DEPARTMENTAL EMPLOYMENT*

2014-2017	Zoology 102 student hourly <i>Duties: Laboratory set up, take down, and maintenance; stockroom and specimen inventory; data entry; copying</i>
2013-2014	Zoology office student hourly <i>Duties: Evolutionary biology hiring project, data entry, invoice reconciliation, copying, filing, mail and package delivery</i>

*EXTRAMURAL EMPLOYMENT*

2009-present	Private instructor in Hunter/Jumper style horseback riding
2015-present	Shift leader, Regent Street Cooperative
2007-2018	United States Pony Club instructor (lectures, symposia, and mounted instruction)
2014-2017	Chair and coordinator, Lake Shore Region Junior Board (volunteer)
2012-2015	Summer working student and equine caretaker, Meadowbrook Farm

## AWARDS AND HONORS

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### ACADEMIC

- 2020 University of Wisconsin-Madison Department of Integrative Biology Graduate Summer Research Award
- 2019 Charlotte Mangum Student Support Program Award, SICB Annual Meeting 2019, Austin, TX
- 2019 University of Wisconsin—Madison Department of Integrative Biology’s John Jefferson Davis student travel award for conference attendance
- 2019 University of Wisconsin-Madison Department of Integrative Biology Graduate Summer Research Award
- 2019 2019 Graduate Research Fellowship awardee, National Science Foundation, three years beginning Fall 2019
- 2019 Best student poster in “Morphology, Physiology, and Silk.” First prize. 21<sup>st</sup> International Congress of Arachnology 2019, Lincoln, New Zealand
- 2018 AAAS/Science Program for Excellence in Science award recipient (sponsored membership)
- 2018 University of Wisconsin—Madison Department of Integrative Biology’s John Jefferson Davis student travel award for conference attendance
- 2018 National Science Foundation (NSF) student travel grant for the Third Global Invertebrate Genomics Alliance Conference and Workshop (GIGA III) 2018, Willemstad, Curacao
- 2018 American Arachnological Society’s Arachnological Research Fund Student Research Grant.
- 2018 Charlotte Mangum Student Support Program Award, SICB Annual Meeting 2018, San Francisco, CA
- 2016 Laudier Histology Student Travel Award, 20<sup>th</sup> International Congress of Arachnology 2016, Golden, CO
- 2015 Biology 152 grant to print research poster, UW-Madison
- 2013 Graduation *summa cum laude*, Neenah High School, Neenah, WI

### EXTRAMURAL

- 2016 USPC Lakeshore Region Upper Level Prep Scholarship
- 2016 USPC Lakeshore Region Show Jumping Scholarship
- 2015 USPC National Youth Congress Delegate
- 2014 USPC Lakeshore Region Show Jumping Scholarship

### PUBLICATIONS

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5. \*Ballesteros, J.A., \***Setton, E.V.W.**, \*Santibáñez-López, C.E., Arango, C.P., Brenneis, G., Brix, S., Cano-Sánchez, E., Dandouch, M., Dilly, G.F., Eleaume, M., Gainett, G., Gallut, C., McAtee, S., McIntyre, L., Moran, A.L., Moran, R., López-González, P.J., Scholtz, G., Williamson, C., Woods, H.A., Wheeler, W.C., Sharma, P.P. (in revision) Phylogenomic resolution of sea spider diversification

through integration of multiple data classes. *Molecular Biology and Evolution*.  
(preprint: <https://biorxiv.org/cgi/content/short/2020.01.31.929612v1>)

4. **Setton, E.V.W.**, Hendrixson, B.E. & Sharma, P.P. (2019) Embryogenesis in a Colorado population of *Aphonopelma hentzi* (Girard, 1852) (Araneae, Mygalomorphae, Theraphosidae): establishing a promising system for the study of mygalomorph development. *Journal of Arachnology*. 47:209-216.

3. †March, L.E., †Smaby, R.M., †**Setton, E.V.W.** & Sharma, P.P. (2018) The evolution of selector gene function: Expression dynamics and regulatory interactions of *tiptop/teashirt* across Arthropoda. *Evolution & Development*. 20:219-232.

2. †**Setton, E.V.W.** & Sharma, P.P. (2018) Cooption of an appendage patterning gene cassette in the head segmentation of arachnids. *Proceedings of the National Academy of Sciences of the USA* 115: E3491-E3500.

1. †**Setton, E.V.W.**, †March, L.E., †Nolan, E.D., Jones, T.E., Cho, H., Wheeler, W.C., Extavour, C.G. & Sharma, P.P. (2017) Expression and function of spineless orthologs correlate with distal deutocerebral appendage morphology in Arthropoda. *Developmental Biology* 430: 224–236.

†Undergraduate co-author.  
\*Equal author contribution

## TEACHING EXPERIENCE

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### TEACHING ASSISTANT POSITIONS

2019                      Zoology 300 (lecture) and Zoology 301 (lab), University of Wisconsin-Madison.

## PRESENTATIONS

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### CONFERENCE PRESENTATIONS

2020                      Annual Meeting of the Society of Integrative & Comparative Biology, Austin, TX  
(one talk)  
2019                      21st International Congress of Arachnology, Christchurch, NZ (one talk, one  
poster)  
2018                      Annual Meeting of the Society of Integrative & Comparative Biology, San  
Francisco, CA (one talk)  
2017                      Annual Meeting of the Society of Integrative & Comparative Biology, New Orleans,  
LA (one talk, one poster)  
2016                      20<sup>th</sup> International Congress of Arachnology, Golden, CO (one talk)  
2015                      Biology 152 Research Poster Fair (one poster)

### INSTITUTIONAL PRESENTATIONS

- 2020 University of Wisconsin-Madison Developmental Biology Student Seminar Series, Madison, WI (one talk)
- 2019 University of Wisconsin-Madison Cellular Biology Study Group, Madison, WI (one talk)

## SERVICE AND OUTREACH

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### *SOCIETY MEMBERSHIPS*

- 2018-present American Society of Arachnology (student member)
- 2018-present American Association for the Advancement of Science (AAAS) / Science (sponsored)
- 2016-present International Society of Arachnology (student member)
- 2016-present Society of Integrative and Comparative Biology (student member)

### *OUTREACH*

- 2019-present Sharma Lab organizer for visiting students at Centro Hispano’s “Juventud” after school program once a semester, Toki Middle School, Madison, WI
- 2019 Sharma Lab organizer for bringing AP Biology Students at Reedsburg Area High School to UW-Madison for a “day in the lab.”
- 2018-present Sharma Lab organizer for University of Wisconsin—Madison’s annual Darwin Day outreach event for elementary school children
- 2017 Guest lecturer to AP Biology students on evo-devo and undergraduate research, Reedsburg Area High School, Reedsburg, WI
- 2016-present Assistant for Fourth Tuesday Club (faculty dinner and STEM-field guest lecture), University of Wisconsin—Madison, Madison, WI

## FIELD EXPERIENCE

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### *COLLECTING TRIPS*

- 2020 Austin, TX (6 days)
- 2018 La Junta, Colorado, USA (12 days)