

## *Curriculum Vitae*

### Dr. John Warren Huntley, Associate Professor

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#### **Education**

Ph.D. Geosciences	Virginia Polytechnic Institute and State University, 2007 Advisor: Michał Kowalewski
M.S. Geology	University of North Carolina at Wilmington, 2003 Advisor: Patricia H. Kelley
B.S. Geology	Appalachian State University, 2000
German Language School	<i>did</i> Deutsch Institut-München, 2009 Two months of intensive language courses
Marine Biology Field Course	Friday Harbor Laboratories - University of Washington, 2004 Predator-Prey Interactions, Instructors: Michał Kowalewski and Lindsey Leighton
Geology Field Camp	Appalachian State University, 1999 Feltre and San Martino di Castrozza, Italy Instructors: Fred Webb, Jr. and Lucio D'Alberto

#### **Professional Employment**

2019-Present	<i>Associate Professor</i> Department of Geological Sciences University of Missouri, Columbia, MO
2020-2021	Faculty Research Leave Department of Geological Sciences University of Missouri, Columbia, MO
2013-2019	<i>Assistant Professor</i> Department of Geological Sciences University of Missouri, Columbia, MO
2011-2013	<i>Visiting Assistant Professor</i> Department of Geology St. Lawrence University, Canton, NY
2009-2011	<i>Humboldt Research Fellow</i> GeoZentrum Nordbayern Friedrich-Alexander Universität, Erlangen, Germany

2008-2009 *Lecturer*  
Department of Earth and Environmental Sciences  
University of Kentucky, Lexington, KY

2007-2008 *Postdoctoral Associate*  
Department of Geosciences  
VPI&SU, Blacksburg, VA

## **Publications**

### *Edited Volumes*

#### Published

- K. De Baets, J.W. Huntley (eds.). 2021. The Evolution and Fossil Record of Parasitism: Coevolution and Paleoparasitological Techniques. *Topics in Geobiology* vol. 50, Springer. Pp. 486.  
<https://doi.org/10.1007/978-3-030-52233-9>
- K. De Baets, **J.W. Huntley** (eds.). 2021. The Evolution and Fossil Record of Parasitism: Identification and Macroevolution of Parasites. *Topics in Geobiology* vol. 49, Springer. Pp. 565. <https://doi.org/10.1007/978-3-030-42484-8>

### *Peer-Reviewed Journal Articles and Book Chapters*

(<sup>#</sup>student author; \*corresponding author; \*\*shared first authorship)

#### In Preparation

- J.W. Huntley\***, M.R. Ruga<sup>#</sup>, F.T. Fürsich, M. Alberti., M. Hethke, C. Liu. In Preparation A. Elevated parasite prevalence during Holocene sea-level rise in Pearl River Delta is linked to hypoxia.
- A.A. Miller<sup>#</sup>, S.M. Jacquet, E.P. Anderson, **J.W. Huntley**, J.D. Schiffbauer. In Preparation. Taxonomy, taphonomy, and ecology of Silurian (late Telychian) Conulariids from the Waukesha Lagerstätte, Wisconsin. *Journal of Systematic Palaeontology*.
- G.S. Jacobs<sup>#</sup>, **J.W. Huntley\***. In Preparation. Geochronology, taphonomy, ecology, and parasitism of late Holocene coastal bivalve assemblages – Whidbey Island, Salish Sea, US.
- Y.R. Epa<sup>#</sup>, R.W. Portell, **J.W. Huntley\***. In Preparation. Is there a link between predation and parasitism in marine bivalves? A case study from the Plio-Pleistocene of Florida.

#### Published

37. **J.W. Huntley\***, K. De Baets, D. Scarponi, L.C. Linehan<sup>#</sup>, Y.R. Epa<sup>#</sup>, G.S. Jacobs<sup>#</sup>, J.A. Todd. 2021. Bivalve mollusks as hosts in the fossil record, p. 251-287. In K. De Baets, **J.W. Huntley** (eds.). The Evolution and Fossil Record of Parasitism: Coevolution and Paleoparasitological Techniques. *Topics in Geobiology* vol. 50, Springer.
36. De Baets\*, K., **J.W. Huntley**, A.A. Klompmaker, J.D. Schiffbauer, A.D. Muscente. In Press. The fossil record of parasitism: Its extent and constraints on parasite evolution, p. 1-50. In K. De Baets, **J.W. Huntley** (eds.). The Evolution and Fossil Record of Parasitism: Coevolution and Paleoparasitological Techniques. *Topics in Geobiology* vol. 50, Springer.
35. De Baets, K.\*\*, **J.W. Huntley\*\***, D. Scarponi, A.A. Klompmaker, A. Skawina. 2021. Phanerozoic parasitism and marine metazoan diversity: Dilution versus amplification. *Philosophical Transactions of the Royal Society B* 376: 20200366. DOI: 10/1098/rstb.2020.0366.
34. **J.W. Huntley\***, D. Scarponi\*. 2021. Parasitism and host behavior in the context of a changing environment: The Holocene record of the commercially important bivalve *Chamelea gallina*, northern Italy. *PLoS ONE* 16(4): e0247790. <https://doi.org/10.1371/journal.pone.0247790>

33. Pulsipher, M.<sup>#</sup>, J.D. Schiffbauer\*, M.J. Jeffrey<sup>#</sup>, **J.W. Huntley**, D.A. Fike, K.L. Shelton. 2021. A meta-analysis of the Steptoean positive carbon isotope excursion: The SPICEra database. *Earth-Science Reviews* 212:103442. <https://doi.org/10.1016/j.earscirev.2020.103442>
32. Selly, T., J.D. Schiffbauer, S.M. Jacquet, E.F. Smith, L.L. Nelson, B.D. Andreassen, **J.W. Huntley**, M.A. Strange, G.R. O'Neil, C.A. Thater, N. Bykova, M. Steiner, B. Yang, Y. Cai. 2020. A new cloudinid fossil assemblage from the terminal Ediacaran of Nevada, USA. *Journal of Systematic Palaeontology* 18:357-379. <http://dx.doi.org/10.1080/14772019.2019.1623333>
31. Ruga, M.R.<sup>#</sup>, D.L. Meyer, **J.W. Huntley**\*. 2019. Conch fritters through time: Human predation and population demographics of *Lobatus gigas* on San Salvador Island, the Bahamas. *Palaaios* 34:383-392. \*Palaaios paper of the year – Honorable Mention\* \*Cover Article\*
30. S.M. Jacquet, M.J. Betts, **J.W. Huntley**, G.A. Brock. 2019. Facies, phosphate, and fossil preservation potential across a Lower Cambrian carbonate shelf, Arrowie Basin, South Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 533:109200. <https://doi.org/10.1016/j.palaeo.2019.05.022>
29. Klompmaker, A., P.H. Kelley, D. Chattopadhyay, J. Clements, **J.W. Huntley**, M. Kowalewski. 2019. Predation in the marine fossil record: Studies, data, recognition, environmental factors, and behavior. *Earth-Science Reviews* 194:472-520.
28. **Huntley, J.W.\***, J.D. Schiffbauer, T.D. Avila<sup>#</sup>, J.S. Broce<sup>#</sup>. 2018. Ecophenotypy, temporal and spatial fidelity, functional morphology, and physiological trade-offs among intertidal bivalves. *Paleobiology* 44:530-545. <https://doi.org/10.1017/pab.2018.14>
27. Selly, T.L.<sup>#</sup>, K.E. Hale<sup>#</sup>, J.D. Schiffbauer, D.A. Clapp<sup>#</sup>, **J.W. Huntley**\*. 2018. The influence of environmental gradients on molluscan diversity, community structure, body size, and predation in a carbonate tidal creek, San Salvador (The Bahamas). *American Journal of Science* 318:246-273.
26. Azzarone, M.\* , P. Ferretti, V. Rossi, D. Scarponi, L. Capraro, P. Macri, **J.W. Huntley**, C. Faranda. 2018. Early-Middle Pleistocene benthic turnover and oxygen isotope stratigraphy from the Central Mediterranean (Valle di Manche, Crotone Basin, Italy): Data and trends. *Data in Brief* 17:1099-1107.
25. **Huntley, J.W.\***, T. Selly<sup>#</sup>, K.L. Shelton, J.D. Schiffbauer. 2017. Trilobite Predation. *Access Science* McGraw-Hill Education. <https://doi.org/10.1036/1097-8542.YB170022>.
24. Soldati, A.<sup>\*\*</sup>, J. Beem<sup>#</sup>, F. Gomez, **J.W. Huntley**, T. Robertson<sup>#</sup>, A. Whittington. 2017. Emplacement Dynamics and Timescale of a ~7ka Flow from the Cima Volcanic Field (CA): Insights from Rheology and Morphology. *Journal of Volcanology and Geothermal Research* 347:91-111.
23. Scarponi, D., M. Azzarone<sup>#</sup>, M. Kowalewski, **J.W. Huntley**\*. 2017. Surges in trematode prevalence linked to centennial-scale flooding events in the Adriatic. *Scientific Reports*. Article number: 5732 doi:10.1038/s41598-017-05979-6.
22. Klompmaker, A.A.\* , M. Kowalewski, **J.W. Huntley**, S. Finnegan. 2017. Increase in predator-prey size ratios throughout the Phanerozoic history of marine ecosystems. *Science* 356:1178-1180.
21. Muscente, A.D.\* , J.D. Schiffbauer, J. Broce<sup>#</sup>, M. Laflamme, K. O'Donnell, T.H. Boag, M. Meyer, A.D. Hawkins, **J.W. Huntley**, M. McNamara, L.A. MacKenzie, G.D. Stanley, Jr., N.W. Hinman, M.H. Hofmann, S. Xiao. 2017. Exceptionally preserved fossil assemblages and soft tissue preservation through geologic time and space. *Gondwana Research* 48:164-188.
20. Schiffbauer, J.D.\* , **J.W. Huntley**, D.A. Fike, M. Jeffrey<sup>#</sup>, J.M. Gregg, K.L. Shelton. 2017. Decoupling biogeochemical records, extinction, and environmental change in the Cambrian SPICE event. *Science Advances* 3:e1602158.
19. Schiffbauer, J.D.\* , **J.W. Huntley**, G.R. O'Neil<sup>#</sup>, S.A.F. Darroch, M. Laflamme, Y. Cai. 2016. The latest Ediacaran wormworld fauna: Setting the ecological stage for the Cambrian Explosion. *GSA Today* 26(11):4-11.
18. Scarponi, D., G. Della Bella, B. Dell'Angelo, **J. W. Huntley**, M. Sosso. 2016. Middle Miocene Conoidea (Mollusca) from western Ukraine (Paratethys): Integrative taxonomy, palaeoclimatological and palaeobiogeographical implications. *Acta Palaeontologica Polonica* 61:327-344.

17. Selly, T.L.<sup>#</sup>, **J.W. Huntley**, K.L. Shelton, J.D. Schiffbauer\*. 2016. Ichnofossil record of selective predation by Cambrian trilobites. *Palaeogeography, Palaeoclimatology, Palaeoecology* 444:28-38.
16. **Huntley, J.W.**, K. De Baets. 2015. Trace fossil evidence of trematode – bivalve parasite – host interactions in deep time. *Advances in Parasitology* 90:201-231.
15. **Huntley, J.W.**, D. Scarponi. 2015. Geographic variation of parasitic and predatory traces on mollusks in the northern Adriatic Sea, Italy: Implications for the stratigraphic paleobiology of biotic interactions. *Paleobiology* 41:134-153.
14. **Huntley, J.W.**, F.T. Fürsich, M. Alberti., M. Hethke, C. Liu. 2014. A complete Holocene record of trematode-bivalve infection and implications for the response of parasitism to climate change. *Proceedings of the National Academy of Sciences* 111:18150-18155. Featured in *Eos* vol. 95, no. 50, 16 December 2014. Featured in *Science* “Editor’s Choice” vol. 346, issue 6216, p. 1478; 19 December 2014.
13. Scarponi, D., **J.W. Huntley**, L. Capraro, S. Raffi. 2014. Stratigraphic paleoecology of the Valle di Manche Section (Crotone Basin, Italy): A Candidate GSSP of the Middle Pleistocene. *Palaeogeography, Palaeoclimatology, Palaeoecology* 402:30-43.
12. Dexter, T.A., D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek, M. Kowalewski. 2014. A continuous multi-millennial record of surficial bivalve mollusk shells from the São Paulo Bight, Brazilian Shelf. *Quaternary Research* 81:274-283.
11. Tyler, C.L., L.R. Leighton, S.J. Carlson, **J.W. Huntley**, M. Kowalewski. 2013. Predation on modern and fossil brachiopods: Assessing chemical defenses and palatability. *Palaaios* 28:724-735.
10. Ayoub-Hannaa, W., **J.W. Huntley**, F.T. Fürsich. 2013. Significance of Detrended Correspondence Analysis (DCA) in palaeoecology and biostratigraphy: A case study from the Upper Cretaceous of Egypt. *Journal of African Earth Sciences* 80:48-59.
9. **Huntley, J.W.**, D.S. Kaufman, M. Kowalewski, C.S. Romanek, R.J. Neves. 2012. Sub-centennial resolution amino acid geochronology for the freshwater mussel *Lampsilis* for the last 2000 years. *Quaternary Geochronology* 9:75-85.
8. **Huntley, J.W.**, D. Scarponi. 2012. Evolutionary and ecological implications of trematode parasitism of modern and fossil northern Adriatic bivalves. *Paleobiology* 38:40-51.
7. **Huntley, J.W.** 2011. Exploratory multivariate techniques and their utility for understanding ancient ecosystems, p.23-48. M. Laflamme, J.D. Schiffbauer, S.Q. Dornbos (eds.). *Quantifying the evolution of early life: numerical approaches to the evaluation of fossils and ancient ecosystems. Topics in Geobiology*: v. 36, Springer.
6. **Huntley, J.W.** 2009. Phanerozoic predation intensity and diversity, p.278-281. McGraw-Hill *Yearbook of Science and Technology* 2009.
5. **Huntley, J.W.**, Y. Yanes, M. Kowalewski, C. Castillo, A. Delgado-Huertas, M. Ibanez, M.R. Alonso, J.E. Ortiz, T. de Torres. 2008. Testing limiting similarity in Quaternary terrestrial gastropods. *Paleobiology* 34(3):378-388. Featured in *Science* “Editor’s Choice” vol. 322 issue 5900, p. 348; 17 October 2008.
4. **Huntley, J.W.**, M. Kowalewski. 2007. Strong coupling of predation intensity and diversity in the Phanerozoic fossil record. *Proceedings of the National Academy of Sciences* 104:15006-15010. Article from the cover. Listed in Faculty of 1000 Biology.
3. **Huntley, J.W.** 2007. Towards establishing a modern baseline for paleopathology: trace-producing parasites in a bivalve host. *The Journal of Shellfish Research* 26:253-259.
2. **Huntley, J.W.**, S. Xiao, and M. Kowalewski. 2006. On the morphological history of Proterozoic and Cambrian acritarchs, p. 23-56. S. Xiao and A.J. Kaufman (eds.). *Neoproterozoic Geobiology and Paleobiology, Topics in Geobiology*: v. 27, Springer.
1. **Huntley, J.W.**, S. Xiao, and M. Kowalewski. 2006. 1.3 billion years of acritarch history: an empirical morphospace approach. *Precambrian Research* 144:52-68.

Abstracts \*indicates presenting author, #indicates student abstract

84. De Baets, K.\*<sup>#</sup>, **J.W. Huntley**, D. Scarponi, A.A. Klompaker, A. Skawina. 2021. Phanerozoic parasitism and marine metazoan diversity: dilution versus amplification. The Palaeontological Association Annual Meeting.
83. **Huntley, J.W.**, K. De Baets, D. Scarponi, A. Klompaker, A. Skawina. 2021. Phanerozoic parasitism and marine metazoan diversity: Increasing risk with support for the amplification hypothesis. GSA Abstracts with Programs, vol. 53, no. 6.
82. Rosbach, S.<sup>#</sup>, J.C. Snyder, H.M. Lamadrid, **J. Huntley**, J.D. Schiffbauer. 2021. Avoiding pitfalls in PCA for describing taphonomy: Refining the chemospace approach. GSA Abstracts with Programs, vol. 53, no. 6.
81. Jacobs, G.<sup>#</sup>, T. Selly, S.M. Jacquet, J.D. Schiffbauer, **J.W. Huntley**. 2021. Preparation biases in silicified faunas revealed by paired micro-CT and acid maceration. GSA Abstracts with Programs, vol. 53, no. 6.
80. Ryan, D., D. Scarponi, **J.W. Huntley**. 2021. Another bites the host: Assessing the influence of biotic factors on surging parasite prevalence during sea level rise, Po Plain and northern Adriatic coast, Italy. GSA Abstracts with Programs, vol. 53, no. 6.
79. Scarponi, D.\*<sup>#</sup>, **J.W. Huntley**. 2021. Parasitism and host behavior in the context of a changing environment: The Holocene record of the commercially important bivalve *Chamelea gallina*, northern Italy. Paleodays 2021. XXI Edizione delle Giornate di Paleontologia. Bologna, (14) 15-17 giugno 2021.
78. **Huntley, J.W.\***, D. Scarponi. 2020. Stratigraphic macroecology of trematode parasitism of bivalves – Holocene Po Plain, Italy. GSA Abstracts with Programs, vol. 52, no. 6.
77. Jacobs, G.S.\*<sup>#</sup>, **J.W. Huntley**. 2020. A date with *Nuttallia*: Biotic interactions, paleoecological change, and chronological complications in Quaternary Puget Sound. GSA Abstracts with Programs, vol. 52, no. 6.
76. Pulsipher, M.A.\*<sup>#</sup>, J.D. Schiffbauer, M.J. Jeffrey, **J.W. Huntley**, D.A. Fike, K.L. Shelton. 2020. Investigating the controls on the expression of the Steptoean Positive Carbon Isotope Excursion through meta-analysis. GSA Abstracts with Programs, vol. 52, no. 6.
75. Epa, Y.R.\*<sup>#</sup>, R.W. Portell, **J.W. Huntley**. 2020. Lack of correlation between predation and parasitism: Fussy drillers and picky parasites? GSA Abstracts with Programs, vol. 52, no. 6.
74. Miller, A.A.\*<sup>#</sup>, S.M. Jacquet, E.P. Anderson, **J.W. Huntley**, J.D. Schiffbauer. 2020. Ecology and taphonomy of Silurian conulariids from the Waukesha Lagerstätte, Wisconsin. GSA Abstracts with Programs, vol. 52, no. 6.
73. Anderson, E.P.\*<sup>#</sup>, **J.W. Huntley**, J.D. Schiffbauer. 2019. Crustaceans and chelicerates in catchments and craters: Soft-bodied preservation of the Lower Paleozoic Waukesha and Winneshiek biotas. GSA Abstracts with Programs, vol. 51, no. 5.
72. G.S. Jacobs\*<sup>#</sup>, J.D. Schiffbauer, T. Selly, **J.W. Huntley**. 2019. Residues vs radiograms: Biases in diagenesis and preparation of silicified fossils in limestone. GSA Abstracts with Programs, vol. 51, no. 5.
71. **J.W. Huntley\***, D. Scarponi, T. Scirocco, M. Ruga, P.E. Richardson, P. Heuer, Y. Ranjeev Epa. 2019. Why does trematode parasite prevalence surge during sea-level rise? GSA Abstracts with Programs, vol. 51, no. 5.
70. Richardson, P.E.\*<sup>#</sup>, D. Scarponi, T. Scirocco, **J.W. Huntley**. 2019. Parasitism of bivalves in the Lesina lagoon (Italy) as a modern analog for biotic interactions in the fossil record. GSA Abstracts with Programs, vol. 51, no. 5.
69. Pulsipher, M.\*<sup>#</sup>, J.D. Schiffbauer, **J.W. Huntley**, K.L. Shelton. 2019. Utilizing statistical analyses to investigate regional controls on the Cambrian SPICE event and its reliability as a global chronostratigraphic marker. GSA Abstracts with Programs vol. 51, no. 5.
68. **Huntley, J.W.\***, K. De Baets, D. Scarponi, Y.R. Epa<sup>#</sup>, G.S. Jacobs<sup>#</sup>, Jon A. Todd. 2019. Escalating parasitism of bivalve mollusks in the Mesozoic. 11th North American Paleontological Convention Abstracts. Riverside, CA.
67. Soldati, A. et al. 2018. The effect of topography on the rheological and morphological evolution of basaltic lava flows. AGU Annual Meeting.
66. **Huntley, J.W.\***, D.S. Scarponi. K. De Baets. 2018. Stowaways on ships that might pass in the night: Phanerozoic trends in parasitism of bivalves and brachiopods. GSA Abstracts with Programs, vol. 50, no. 6.
65. Jacobs, G.S.\*<sup>#</sup>, **J.W. Huntley**. 2018. Clams on ice: Glimpses of parasite-host interactions from Pleistocene shell beds of coastal Washington, USA. GSA Abstracts with Programs, vol. 50, no. 6.
64. Epa, Y.R.\*<sup>#</sup>, R.W. Portell, **J.W. Huntley**. 2018. Is there a link between parasitism, kleptoparasitism, and predation in marine bivalves? A case study from the Plio-Pleistocene of northeastern Florida. GSA Abstracts with Programs, vol. 50, no. 6.
63. Selly, T.\*<sup>#</sup>, J.D. Schiffbauer, S.M. Jacquet, M.A. Strange, G.R. O'Neil, B.D. Andreasen, Y. Cai, **J.W. Huntley**, C.A. Thater, L. Nelson, E.F. Smith. 2018. Taxonomic evaluation of a tubular assemblage from the terminal Ediacaran of Nevada. GSA Abstracts with Programs, vol. 50, no. 6.
62. **Huntley, J.W.** 2018. Escalation of parasitism from Cambrian roots to modern ecosystems. International Conference on Ediacaran and Cambrian Sciences. 12<sup>th</sup>-16<sup>th</sup> August, 2018. Xi'an, China.
61. Ruga, M.R.\*<sup>#</sup>, **J.W. Huntley**, M. Glascock. 2018. Trace element analysis of two Holocene bivalve taxa, *Cyrenodonax formosana* and *Potamocorbula amurensis*, as proxies for temperature and productivity in the Pearl River delta, China. GSA Abstracts with Programs, vol. 50, no. 4.
60. **Huntley, J.W.\***, L.C. Linehan<sup>#</sup>, K. De Baets. 2017. Phanerozoic trends in parasite-host interactions among common marine benthos: Mounting risk or spurious consequence of a biased record? GSA Abstracts with Programs vol. 49, no. 6.
59. Ruga, M.R.\*<sup>#</sup>, **J.W. Huntley**. 2017. Conch fritters through time: Human predation and population demographics of *Strombus gigas*, San Salvador Island, Bahamas. GSA Abstracts with Programs vol. 49, no. 6.
58. Jeffrey, M.J.\*<sup>#</sup>, **J.W. Huntley**, J.D. Schiffbauer, D.A. Fike, K.L. Shelton. 2017. Influences of environmental variation and sedimentation rate on the recording of the Steptoean Positive Carbon Isotope Excursion (SPICE) in Missouri. GSA Abstracts with Programs vol. 49, no. 6.
57. Soldati, A.\*<sup>#</sup>, J. Beem, F. Gomez, **J.W. Huntley**, T. Robertson, A. Whittington. 2017. Emplacement dynamics and timescale of a Holocene flow from the Cima Volcanic Field (CA): Insights from rheology and morphology. GSA Abstracts with Programs vol. 49, no. 6.

56. Scarponi, D.\*, **J.W. Huntley**, et al. 2017. Parasites and Holocene sea-level rise: Recurrent upsurges in trematode infestation linked to repeated flooding events in the Adriatic Sea. EGU General Assembly.
55. Scarponi, D.\*, **J.W. Huntley**, M. Azzarone, T. Scirocco. 2016. Repeated association of sea-level rise and trematodes documented in the Holocene Po plain succession (Italy). LAGUNET 2016: Italian Network Congress for the Lagoon Research, Lesina, Foggia, Italy.
54. Azzarone, M., **J.W. Huntley**, D. Scarponi, L.C. Linehan<sup>#</sup>, M. Kowalewski. 2016. Changes in trematode infestation rates across parasequences: Insights from Holocene deposits of the Po coastal plain, Italy. GSA Abstracts with Programs vol. 48, no. 7.
53. Jeffrey, M.J.<sup>##</sup>, **J.W. Huntley**, J.D. Schiffbauer, D.A. Fike, K.L. Shelton. 2016. Stratigraphic variation of the SPICE event in upper Cambrian carbonates of southern Missouri. GSA Abstracts with Programs vol. 48, no. 7.
52. Klompmaker, A.A.\*<sup>#</sup>, M. Kowalewski, **J.W. Huntley**, S. Finnegan. 2016. Increasing size of drilling predators throughout the history of metazoan ecosystems. GSA Abstracts with Programs vol. 48, no. 7.
51. Linehan, L.C.<sup>##</sup>, **J.W. Huntley**. 2016. Parasitism in marine ecosystems through geologic time. GSA Abstracts with Programs vol. 48, no. 7.
50. Muscente, A.D.\*<sup>#</sup>, M. Laflamme, J.D. Schiffbauer, J.S. Broce, K.H. O'Donnell, T.H. Boag, M. Meyer, A.D. Hawkins, **J.W. Huntley**, S. Xiao. 2016. Exceptionally preserved fossil assemblages through geologic time and space. GSA Abstracts with Programs vol. 48, no. 7.
49. O'Neil, G.R.<sup>##</sup>, J.D. Schiffbauer, **J.W. Huntley**, Y. Cai. 2016. The importance of biotic interactions in shaping Ediacaran benthic communities: A comparative case study of the Gaojishan and Mistaken Point biotas. GSA Abstracts with Programs vol. 48, no. 7.
48. Schiffbauer, J.D.\*<sup>#</sup>, **J.W. Huntley**, D.A. Fike, M.J. Jeffrey<sup>#</sup>, J.M. Gregg, K.L. Shelton. 2016. Decoupling excursions, extinctions, and environmental change: The time-transgressive and facies-dependent Cambrian SPICE event. GSA Abstracts with Programs vol. 48, no. 7.
47. Selly, T.<sup>#</sup>, K.E. Hale<sup>#</sup>, D.A. Clapp<sup>#</sup>, J.D. Schiffbauer, **J.W. Huntley**\*. 2016. Environmental gradients in a tidal carbonate lagoon (Pigeon Creek, San Salvador Island, Bahamas) and their relationship to molluscan diversity, body size, and predator-prey interactions. GSA Abstracts with Programs vol. 48, no. 7.
46. Selly, T.<sup>##</sup>, J.D. Schiffbauer, **J.W. Huntley**. 2016. Drilling predation and taphonomy of gastropods along environmental gradients, San Salvador, Bahamas. GSA Abstracts with Programs vol. 48, no. 5.
45. Schiffbauer, J.D.\*<sup>#</sup>, K.L. Shelton, **J.W. Huntley**, D.A. Fike, J.M. Gregg. 2016. Recognition of SPICE in the upper Cambrian of southern Missouri: Interaction of local and global carbon factories. Gordon Research Conference – Geobiology: Reconstructing processes from genes to the geologic record. Galveston, TX.
44. **Huntley, J.W.\***, K. De Baets, D. Scarponi. 2015. The trace fossil record of trematode-bivalve parasite-host interactions. GSA Abstracts with Programs vol. 47, no. 7.
43. Scarponi, D.\*<sup>#</sup>, M. Azzarone, **J.W. Huntley**. 2015. Holocene record of trematode-bivalve interaction in regressive back-barrier settings of the Po Plain (Italy). GSA Abstracts with Programs vol. 47, no. 7.
42. Hale, K.E.<sup>##</sup>, **J.W. Huntley**, D. Scarponi, R.P. Stuart III<sup>#</sup>. 2015. *Tapes phillipinarum* as an archive of heavy metal pollution in lagoons of the northern Adriatic coast, Italy: A bivalve sclerochemical approach. GSA Abstracts with Programs vol. 47, no. 7.
41. O'Neil, G.E.<sup>##</sup>, **J.W. Huntley**, J.D. Schiffbauer. 2015. Evolutionary and ecological implications of body size dynamics of Ediacara organisms. GSA Abstracts with Programs vol. 47, no. 7.
40. Schiffbauer, J.D.\*<sup>#</sup>, K.L. Shelton, **J.W. Huntley**, D.A. Fike, J.M. Gregg. 2015. Recognition of SPICE and other carbon isotope excursions in the Upper Cambrian of southern Missouri: Interaction of local and global carbon factories. GSA Abstracts with Programs vol. 47, no. 7.
39. Selly, T.<sup>##</sup>, **J.W. Huntley**, K.L. Shelton, J.D. Schiffbauer. 2015. Caught in the act: Ichnofossil record of selective predation by Cambrian trilobites. GSA Abstracts with Programs vol. 47, no. 7.
38. Scarponi, D.\*<sup>#</sup>, L. Angeletti, M. Taviani, **J.W. Huntley**, A. Amorosi, A. Negri, G. B. Vai. 2015. Stratigraphic Paleobiology of the Taranto Area. Geophysical Research Abstracts, vol. 17, EGU2015-9275, EGU General Assembly 2015.
37. Selly, T.L.<sup>#</sup>, J.D. Schiffbauer, **J.W. Huntley**. 2015. Quantitative taphonomic assessment of *Anomalocaris* from middle Cambrian shales of the southwestern United States. Central States Microscopy and Microanalysis Society Spring Meeting, Columbia, MO, March 2015.
36. Schiffbauer, J.D., T. Selly, **J.W. Huntley**, K.L. Shelton. 2015. Trilobite hunting (?) grounds of the Cambrian Davis Formation, southeastern Missouri. GSA Abstracts with Programs, vol. 47, no. 2.
35. **Huntley, J.W.\***, F. T. Fürsich, M. Alberti, M. Hethke, C. Liu. 2014. A complete Holocene record of trematode prevalence from the Pearl River Delta, China: Implications for global change and the future of disease. GSA Abstracts with Programs, vol. 46, no. 6.
34. Selly, T.<sup>#</sup>, J. D. Schiffbauer, **J. W. Huntley**. 2014. Quantitative taphonomic assessment of *Anomalocaris* from Middle Cambrian shales of the southwestern United States. GSA Abstracts with Programs, vol. 46, no. 6.
33. **Huntley, J.W.\***, D. Scarponi. 2014. Stratigraphic paleobiology of trematode parasites and bivalve hosts. 10<sup>th</sup> North American Paleontological Convention Abstracts. Gainesville, FL.
32. Scarponi, D.\*<sup>#</sup>, **J.W. Huntley**, L. Capraro. 2014. Stratigraphic paleoecology of the Valle di Manche section (Crotone Basin, Italy): a candidate GSSP of the Middle Pleistocene. 10<sup>th</sup> North American Paleontological Convention Abstracts. Gainesville, FL.
31. **Huntley, J.W.\***, D. Scarponi, F.T. Fürsich. 2013. Viewing temporal trends of biotic interactions in the light of spatial variation: parasite prevalence in modern northern Adriatic bivalves. GSA Abstracts with Programs, vol. 45, no. 7.
30. Harris, J.M.<sup>#</sup>, **J.W. Huntley**. 2013. Quantifying ecophenotypic variation and taphonomic bias in the morphology of sub-fossil *Crepidula fornicata* from Cape Cod, Massachusetts, USA. GSA Abstracts with Programs, vol. 45, no. 7.
29. Dexter, T.A.\*<sup>#</sup>, D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek, M. Kowalewski. 2013. A continuous multi-millennial record of surficial bivalve mollusk shells from the São Paulo Bight, Brazilian Shelf. GSA Abstracts with Programs, vol. 45, no. 7.
28. Dexter, T.A.\*<sup>#</sup>, D.S. Kaufman, R.A. Krause, Jr., C.S. Romanek, Y. Yanes, **J.W. Huntley**, M. Simoes. 2013.

- Bathymetric variation in time-averaging across a modern shelf. GSA Abstracts with Programs, vol. 45, no. 2.
27. **Huntley, J.W.\***, J.D. Schiffbauer. 2012. Proposed skeletal repair and accretionary growth of an enigmatic Ediacaran organism, Albemarle Group, North Carolina. GSA Abstracts with Programs, vol. 44, no. 7.
  26. **Huntley, J.W.\***, D. Scarponi. 2011. Trematode parasitism of modern and fossil northern Adriatic bivalves. GSA Abstracts with Programs, vol. 43, no. 5.
  25. **Huntley, J.W.**, D. Scarponi. 2011. Sequence stratigraphic, evolutionary, and ecological implications of trematode parasitism of Holocene northern Adriatic bivalves. *Geitalia 2011: VIII Forum Italiano di Scienze della Terra*, Torino.
  24. Kowalewski, M.\*, T.A. Dexter, D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour Wood, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek. 2011. A multi-millennial record provided by amino-acid dated bivalve shells from the southern Brazilian shelf. GSA Abstracts with Programs, vol. 43, no. 2.
  23. Tyler, C.L.\*, L.R. Leighton, S.J. Carlson, **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski. 2010. Brachiopods as acceptable prey: predation on modern and fossil brachiopods. GSA Abstracts with Programs, vol. 42, no. 5.
  22. **Huntley, J.W.\***, D. Scarponi. 2010. Evolutionary and ecological implications of trematode parasitism of modern and fossil northern Adriatic bivalves. *Jahrestagung der Paläontologischen Gesellschaft* 2010.
  21. **Huntley, J.W.\*** 2009. Organismal interactions in deep time: elucidating the fossil record of parasitism in mollusks. Alexander von Humboldt Stiftung, Abstracts – Netzwerktagung Heidelberg: 24-26 November 2009, p. 40.
  20. Dexter, T.A.\*, Y. Yanes, **J.W. Huntley**, R.A. Krause, Jr., D.S. Kaufman, C.S. Romanek, M. Kowalewski, M.G. Simoes, S.L. Barbour Wood. 2009. Reconstructing paleo-environmental conditions using the bivalve *Semele casali* from Ubatuba Bay, Brazil. GSA Abstracts with Programs, vol. 41, no. 7.
  19. Tyler, C.L.\*, L.R. Leighton, S.J. Carlson, **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski. 2009. The well- defended brachiopod: you don't have to taste bad to live well. GSA Abstracts with Programs, vol. 41, no. 7.
  18. **Huntley, J.W.\***, Y. Yanes, M. Kowalewski. 2009. Body size distributions as a means to test for the evolutionary importance of competition among terrestrial gastropod species. 9<sup>th</sup> North American Paleontological Convention Abstracts, p. 37-38. Cincinnati, OH.
  17. **Huntley, J.W.\***, R.A. Krause, Jr., C.S. Romanek, D. Kaufman, M. Kowalewski, S. Barbour Wood, M. Simoes. 2008. Upwelling and freshwater runoff events recorded in the Brazilian bivalve *Semele casali*. GSA Abstracts with Programs, vol. 40, no. 6.
  16. Xiao, S.\*, L. Dong, **J.W. Huntley**, B. Shen, M. Kowalewski. 2008. Quantitative analysis of Precambrian fossils. GSA Abstracts with Programs, vol. 40, no. 6.
  15. Kowalewski, M.\* and **J.W. Huntley**. 2008. The Phanerozoic fossil record of predation traces. *Ichnia* 2008.
  14. Leighton, L.R.\*, **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski, and S.J. Carlson. 2008. How tasty are brachiopods? Examining predation on a "refugia" taxon. Ecological Society of America, Annual Meeting.
  13. **Huntley, J.W.\***, R.A. Krause, Jr., M. Kowalewski, C.S. Romanek, D.S. Kaufman, M.G. Simoes. 2007. Relating productivity events to Holocene bivalve shell growth rates. *Eos Trans. AGU*, 88 (52), Fall Meet. Suppl., Abstract PP31C-0542.
  12. Kowalewski, M.\* and **J.W. Huntley**. 2007. The fossil record of predation: a quantitative overview. GSA Abstracts with Programs, vol. 39, no. 6.
  11. Krause, Jr., R.A., **J.W. Huntley\***, M. Kowalewski, C.S. Romanek, D.S. Kaufman, M.G. Simoes. 2007. Assessing environmental factors associated with changes in the growth rate of *Semele casali* through the Holocene. First International Sclerochronology Conference, St. Petersburg, Florida, USA.
  10. **Huntley, J.W.\***, M. Kowalewski. 2007. 550 million years of drilling predation: initial results from a species-level predation database. GSA Abstracts with Programs, vol. 39, no. 2.
  9. **Huntley, J.W.\***, Y. Yanes, M. Kowalewski. 2006. A tale of two snails: testing limiting similarity in Quaternary *Theba*. GSA Abstracts with Programs, vol. 38, no. 7.
  8. Xiao, S.\*, L. Dong, **J.W. Huntley**, M. Kowalewski. 2006. Proterozoic evolution of photosynthetic eukaryotes: a primer for Proterozoic evolution of ocean and atmospheric redox state. GSA Abstracts with Programs, vol. 38, no. 7.
  7. **Huntley, J.W.\*** 2006. A modern baseline for paleopathology: documenting a diverse trace-producing parasite fauna in live-collected bivalves. GSA Abstracts with Programs, vol. 38, no. 3.
  6. **Huntley, J.W.\***, C.S. Romanek, M. Kowalewski, and M.E. Brown. 2005. Variations in the Hg and N content of shells from freshwater mussels exposed to Hg contamination. GSA Abstracts with Programs, vol. 37, no. 7.
  5. **Huntley, J.W.\***, S. Xiao, and M. Kowalewski. 2004. Trends in body-size and morphological disparity of Proterozoic through middle Cambrian acritarchs: a literature-based approach. GSA Abstracts with Programs, vol. 36, no. 5.
  4. **Huntley, J.W.\***, S. Xiao, and M. Kowalewski. 2004. Secular patterns in morphological disparity and body size of acritarchs through the Neoproterozoic and early Cambrian. GSA Abstracts with Programs, vol. 36, no. 2.
  3. **Huntley, J.W.\*** and P.H. Kelley. 2003. Evolution of predation-related characters in Miocene through Pleistocene Atlantic coastal plain corbulids and lucinids. GSA Abstracts with Programs, vol. 35, no. 1.
  2. Pierson, J.A.\*, J.W. Huntley, S. Kezios, K. Shafer, and W.B. Harris. 2003. An interactive groundwater

model for middle schools. GSA Abstracts with Programs, vol. 35, no 1.

1. Kelley, P.H., M.A. Crump, **J.W. Huntley\***, H.M. Key, K.A. Nelson, and J.A. Pierson. 2002. Paleoeecology of the Waccamaw Formation (Plio-Pleistocene) near Old Dock, Columbus County, North Carolina. GSA Abstracts with Programs, vol. 34, no. 2.

### **Teaching Experience**

- University of Missouri: Principles of Geology (6), Geology of the MU Columns (5), Historical Geology (6), Patterns and Processes in the Fossil Record (1; undergraduate/graduate), Research Methods and Writing in the Geosciences (1; graduate), Quantitative Paleobiology (3; graduate), Advanced Paleontology (2; graduate), *R* for Geoscientists (1; graduate), Conservation Paleobiology (1; undergraduate/graduate)
- St. Lawrence University: Invertebrate Paleontology, Paleoeecology, Evolution & Extinction, Dinosaurs, The Evolving Earth, History of Geology in the United Kingdom, The Dynamic Earth Laboratory, and SYE: Biodiversity of Marine Invertebrates in Deep Time
- University of Kentucky: Historical Geology, Earthquakes & Volcanoes, Sustainable Planet: The Geology of Natural Resources
- Duke University TIP: Geologic Adventures along the Appalachian Trail and Paleontology (summer course at introductory undergraduate level for academically-gifted middle and high school students from diverse socio- economic backgrounds)
- Friday Harbor Labs (TA): Predator-Prey Interactions: Experimental and Field Approaches (Graduate-level course)
- VPI&SU (TA): Paleontology Laboratory, Earth and Life through Time Laboratory, Physical Geology Laboratory, and Resources Geology (Lecture Assistant)
- NSF GK-12 Fellow: Served as resource and mentor for socio-economically diverse middle school students in science class, produced inquiry-based science lessons and activities, aided middle school science teacher with lesson plans and activities for class
- UNC-Wilmington (TA): Invertebrate Paleontology Laboratory, Stratigraphy Laboratory, Physical Geology Laboratory, and Physical Geography Laboratory
- NC Summer Ventures (TA): Oceanography. Responsibilities: aid academically-gifted high school students from diverse socio-economic backgrounds with research project design and logistics
- ASU (TA): Physical Geology Laboratory

### **Post-Doc/Graduate Student Advising**

#### *Post-Doc Advisor*

2017-2019 Dr. Sarah Jacquet (co-advised with Jim Schiffbauer)

#### *Graduate Advisor*

2020-present Delaney Ryan (MS)  
2017-present Ranjeev Epa (PhD)  
2017-present Gabriel Jacobs (PhD)  
2016-2018 Mikaela Ruga (MS; successfully defended April 5, 2018)



2015-2017	Matthew Jeffrey (MS; co-advised with Kevin Shelton; successfully defended June 21, 2017)
2015-2017	Liane Linehan (MS; successfully completed June 14, 2017)
2014-2016	Kelly Hale (MS; successfully defended April 19, 2016)

*Graduate Committee Member*

2020-present	Mikaela Pulsipher (PhD), Mizzou Geology
2020-present	April Miller (MS), Mizzou Geology
2020-present	Amelia Lindsay-Kaufman (MS), Mizzou Geology
2020-present	Kimberly Moore (PhD), Mizzou Geology
2021-2021	Philippe Bauchau (MS), Mizzou Geology
2018-present	Stephanie Rosbach (PhD), Mizzou Geology
2017-present	Stuart Kenderes (PhD), Mizzou Geology
2013-2019	Shannon Haynes (PhD), Mizzou Geology
2018-2020	Mikaela Pulsipher (MS), Mizzou Geology
2016-2018	Stephanie Rosbach (MS), Mizzou Geology
2015-2018	Tara Selly (PhD), Mizzou Geology
2015-2018	Andrew Krug (MS), Mizzou Anthropology
2013-2018	Jesse Broce (PhD), Mizzou Geology
2016-2017	Kate Ferguson (MS), Mizzou Geology
2015-2016	Page Quinton (PhD), Mizzou Geology
2014-2016	Gretchen O'Neil (MS), Mizzou Geology
2013-2015	Tara Selly (MS), Mizzou Geology

*PhD Qualifying Exam Committee Member*

2020	Kimberly Moore (PhD), Mizzou Geology
2017	Stuart Kenderes (PhD), Mizzou Geology
2016-17	George Davis (PhD), Mizzou Geology
2016	Tara Selly (PhD), Mizzou Geology

**Undergraduate Student Advising**

*McNair Scholar Advisor*

2014-15	Ronald Stuart
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*Undergraduate Research Advisor*

2021-present	Abbey Williams
2021-present	Andrew Richardet
2018-present	Pate Richardson
2015-16	James Smith (co-advised with Jim Schiffbauer)
2015-16	Giselle Castaneda-Huerta
2014-15	Teresa Avila (co-advised with Jim Schiffbauer)

**Professional Development**

2021	Online Teaching Certification Seminar, University of Missouri. August 25, 2021.
2017	Safe Space Training. LGBTQ Resource Center, University of Missouri. November 29, 2017.
2013	St. Lawrence University Winter Institute: Visual Ethnography: Teaching and Modeling Ethical Behavior; Implementing the New Diversity Learning Goals; Teaching and Assessing First Year Writing: Challenges and Rewards; Advising for the New Curriculum; Meeting the Environmental Literacy Learning Goals. January 14-15, 2013.

2012 On the Cutting Edge - Professional Development for Geoscience Faculty, Early Career Geoscience Faculty: Teaching, Research, and Managing Your Career. College of William and Mary, Williamsburg, VA, June 10-14, 2012.

### Invited Lectures/Presentations

2021 Ohio Valley Unified Malacologists 15<sup>th</sup> Annual Meeting (December 4)  
 2021 Virginia Tech, Geobiology/Sedimentology/Stratigraphy Seminar (March 25)  
 2019 9th Bonn Humboldt Award Winners' Forum, *Frontiers in Biogeography, Ecology, Anthropology, and Evolution: Humboldt and the 'Cosmos' revisited in the 21st Century*, Alexander von Humboldt Foundation/Hotel Bristol, Bonn (16-20 October)  
 2019 Beyond Campus: M-I-Z in KC 2019, Museum at Prairiefire, *Five Hundred Million Years of Death and Destruction* (September 17)  
 2019 Murray State University, Department of Earth and Environmental Sciences (April 26)  
 2018 Friedrich-Alexander-Universität, Fachgruppe Paläoumwelt, Macroecology Seminar (May 30)  
 2017 University of Missouri, Host/Pathogen/Symbiont Discussion Group (September 12)  
 2017 University of Delaware, Department of Geological Sciences (April 27)  
 2017 Missouri University of Science and Technology, Department of Geosciences (March 20)  
 2017 Humboldt Colloquium—Global Research in the 21<sup>st</sup> Century: Perspectives of the U.S. Humboldt Network; Washington D.C, USA (March 2-4)  
 2016 Vanderbilt University, Department of Earth and Environmental Sciences (November 11)  
 2016 Missouri State University, Department of Geography, Geology, and Planning (October 7)  
 2015 University of Missouri, Ecology and Evolutionary Biology (October 21)  
 2014 Friedrich-Alexander-Universität, Fachgruppe Paläoumwelt (June 3)  
 2013 University of Cincinnati, Department of Geology (Nov. 15)  
 2013 American University of Paris, Department of Computer Science, Math, and Science  
 2013 St. Lawrence University, Department of Geology  
 2013 University of Missouri, Department of Geological Sciences  
 2011 St. Lawrence University, Department of Geology  
 2010 Western Carolina University, Department of Geosciences and Natural Resources  
 2009 Vanderbilt University, Department of Earth and Environmental Sciences  
 2008 University of Kentucky, Rast-Holbrook Lecture Series  
 2008 Mercer University, Department of Earth and Environmental Science  
 2008 Bucknell University, Department of Geology

### Fellowships, Grants, and Awards

#### External Funding Agencies

##### Pending:

2022 **Pending:** NSF EAR – Sedimentary Geology and Paleobiology, *Parasitism and mass extinction: How did parasite prevalence, abundance, and host specificity respond to the Pliocene-Pleistocene molluscan host turnover?*, \$402,969. PI Huntley

##### Funded:

2018 **Funded:** Renewed Research Stay, Alexander von Humboldt Stiftung, *The Phanerozoic history of parasite-host interactions in two parts: Manuscript preparation and Co-editing Dual Special Volumes*, €3,400  
 2017-2022 **Funded:** NSF CAREER, NSF EAR – Sedimentary Geology & Paleobiology, *CAREER: Parasites, sea level rise, and ecosystem dynamics: Investigating the pattern and process of increasing trematode prevalence during transgression*, \$522,321. PI Huntley  
 2016 **Funded:** ISA (Istituto di Studi Superiori) Senior Visiting Fellow at the Institute for Advanced Studies, University of Bologna, Italy, *Complex-life cycle parasites and climate change:*

- Elucidating the pattern and process of increasing trematode prevalence and sea level rise over multi-millennial time scales*
- 2014 **Funded:** Renewed Research Stay Grant, Alexander von Humboldt Stiftung, *The fossil record of trematode parasitism: what do we know and what questions should we be asking?*, €6,300
- 2009-11 **Funded:** Humboldt Research Fellowship, Alexander von Humboldt Stiftung, Germany, *Documenting Parasite-Host Interactions in Deep Time*, €81,204
- Declined:*
- 2020-2022 **Declined:** New Directions Grant, Petroleum Research Fund, American Chemical Society, *Origin of Replacement Silica in the Upper Ordovician Edinburg Formation: Elucidating Diagenetic Processes in Foreland Basin Settings*, \$110,000. PI Huntley
- 2019-2022 **Declined:** NSF EAR – Sedimentary Geology and Paleobiology, *Parasitism and mass extinction: How were parasite prevalence, host specificity, and host longevity shaped in time and space by Pliocene-Pleistocene molluscan host turnover?*, \$337,436. PI Huntley
- 2017-2020 **Declined:** NSF EAR – Sedimentary Geology & Paleobiology, *Collaborative Research: Ecological Revolution and Biotic Turnover: Disentangling the Stratigraphic, Taphonomic, and Paleoeological Threads of the Ediacaran Cambrian Transition*. Collaborative effort with Emily Smith (Johns Hopkins), Simon A.F. Darroch (Vanderbilt), and James D. Schiffbauer (University of Missouri). \$730,770 Total Project Budget, \$162,796 MU Direct, \$84,089 MU Indirect, PI.
- 2016-2018 **Declined:** New Directions Grant, Petroleum Research Fund, American Chemical Society, *Testing the temporal and spatial dynamics of a global carbon isotope excursion across a depth gradient: SPICE, mass extinction, and chemostratigraphic correlation in the upper Cambrian*, \$110,000. PI Huntley
- 2016-2019 **Declined:** NSF EAR – Sedimentary Geology & Paleobiology, *Parasites, climate change, and sea level rise: Investigating the pattern and process of increasing trematode prevalence during transgression*, \$302,301. PI Huntley
- 2015-2017 **Declined:** U.S.-Egypt Joint Board on Scientific and Technological Cooperation, *Conservation of the Nile-Delta-lakes; response of macrobenthic communities to the environmental deterioration*, \$376,273 (MU share – \$193,353). PI Huntley, Co-PI Abdelhady
- 2015-18 **Declined:** NSF EAR – Sedimentary Geology & Paleobiology, *Escalation in the Terminal Ediacaran and the death of competition on the sea floor*, \$359,968. PI Schiffbauer, Co-PI Huntley
- 2015-20 **Declined:** NSF CAREER, NSF EAR – Sedimentary Geology & Paleobiology, *The Origin, Evolution, and Ecological Context of Trematode-Bivalve Parasite-Host Interactions*, \$589,780.
- 2014-16 **Declined:** Doctoral New Investigator Grant, Petroleum Research Fund, American Chemical Society, *Integrating Trace Fossils and Stratigraphic Paleobiology: Parasitic Traces on Bivalves as Indicators of Water Depth and Sequence Stratigraphic Architecture*, \$110,000

### ***Internal University Grants***

#### ***Funded:***

- 2020-21 **Funded:** Research Leave, University of Missouri, College of Arts and Science, *Exceptionally preserved fossils elucidate the early evolution of complex life cycle parasites*.
- 2016 **Funded:** Faculty International Travel Award, Research Council, University of Missouri, *Complex-life cycle parasites and climate change: Elucidating the pattern and process of increasing trematode prevalence and sea level rise over multi-millennial time scales*, \$2,000
- 2014-15 **Funded:** Summer Research Fellowship and Research Budget, Research Council, University of Missouri, *From clams to climate: utilizing fossil mollusk assemblages from the Apennine Mountains to Resolve Sea Level and Climate Change through Time*, \$14,500
- 2012-13 **Funded:** Instructional Mini-Grant, St. Lawrence University, *Evolution of benthic marine environments during the Miocene: specimen-based research in the classroom*, \$500

- 2011-12      **Funded:** Scholarly Development Award (Small Grant), St. Lawrence University, *Investigating the Dawn of Animal Life in the American South*, \$600
- 2011-12      **Funded:** Instructional Mini-Grant, St. Lawrence University, *Incorporating scholarly research in the classroom: analyzing the ecology and evolution of the shallow marine benthos of northern Florida during the last 2,000,000 years*, \$500

*Declined:*

- 2016      **Declined:** Richard Wallace Faculty Incentive Grant, Mizzou Alumni Association, *Parasites, climate change, and sea level rise: Why are coastal parasitic flatworms more prevalent during sea level rise?*, \$4,000.

**Awards and Other Honors**

- 2018      Provost's Outstanding Junior Faculty Research and Creative Activity Award, University of Missouri
- 2016      Senior Visiting Fellow at the Institute for Advanced Studies, University of Bologna, Italy
- 2009      Outstanding Seminar Presentation, Rast-Holbrook Lecture Series, University of Kentucky
- 2008      Featured in student research grant highlights for the centennial celebration of the Paleontological Society

**Department Service**

- 2020-present      Mizzou Geology: Department Bylaws Update Committee
- 2020-present      Mizzou Geology: Course Scheduler
- 2019-present      Mizzou Geology: Curriculum Committee
- 2019-present      Mizzou Geology: Promotion and Tenure Document Update Committee
- 2019-present      Mizzou Geology: Visiting Assistant Professor Mineralogy/Petrology Search Committee
- 2018-present      Mizzou Geology: Department Code of Conduct Statement, Chair
- 2015-present      Mizzou Geology: Computing Facility Committee
- 2013-present      Mizzou Geology: Richard P. Frey Memorial Paleontology Fund Committee
- 2013-present      Mizzou Geology: Wallace B. Howe Fellowship Committee
- 2013-present      Mizzou Geology: Ernest J. Palmer Memorial Scholarship Committee
- 2013-present      Mizzou Geology: Carl B. Rexroad Scholarship Committee
- 2015-2018      Mizzou Geology: Graduate Admissions Committee
- 2014-2021      Mizzou Geology: Colloquium Committee, Chair
- 2014-2018      Mizzou Geology: Salary Advisory Committee (and Committee on Faculty Responsibility)
- 2011-2013      SLU Geology: Academic Advisor (number of advisees: 5)

**University Service**

- 2019      Panel Member, Managing the Advisor/Advisee Relationship, Graduate Education Week
- 2019      Committee Member, Provost's Outstanding Junior Faculty Research and Creative Activity Award
- 2017      Reviewer for MU Research Board Proposal (April)
- 2017      Campus-level reviewer of MU letters of intent, *NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science* (INCLUDES)
- 2017      Faculty Advisor, CV Docs, Reviewed and advised graduate students on their CV (March 15)
- 2016      Faculty Advisor, CV Docs, Reviewed and advised graduate students on their CV (October 26)
- 2016      Instructor, Evolution Bootcamp, Evolutionary Studies Group (01-12-2016)
- 2014-present      University of Missouri, Evolutionary Studies Group, Colloquium Committee
- 2012      St. Lawrence University: Assistant Marshal at Commencement

## **Professional Service**

### *Editorial Board Memberships*

2020-present     *Paleobiology*, Associate Editor  
2017-present     *Palaios*, Associate Editor

### *National Science Foundation*

2021                NSF Virtual Panel  
2019                NSF Virtual Panel

### *Professional Society Service*

2021-present     Program Coordinator, The Paleontological Society  
2018                Analytical Paleobiology Summer Course (sponsored by the Paleontological Society), Reviewer of Graduate Student Applications  
2015-2017        Geobiology & Geomicrobiology Division Representative for the Geological Society of America External Awards Committee  
2016                Graduate Women in Science National Fellowship Program, Reviewer  
2014-2016        Paleontological Society Student Grant Review Panel Member

### *Peer Review*

#### Journals

Acta Palaeontologica Polonica  
Advances in Parasitology  
Bollettino della Societa Paleontologica Italiana  
Evolution  
Facies  
Geobiology  
Geology  
Journal of Shellfish Research  
Journal of Paleontology  
Journal of the Marine Biological Association of the United Kingdom  
Marine Ecology Progress Series  
Marine Pollution Bulletin  
Palaeogeography, Palaeoclimatology, Palaeoecology  
Palaios  
Paleobiology  
Precambrian Research  
Royal Society Open Science  
Southeastern Geology  
The Science of Nature (Naturwissenschaften)

#### Book Chapters

W. Miller III (ed.). 2007. Trace Fossils: Concepts, Problems, Prospects. Elsevier Science.  
M. Laflamme, J.D. Schiffbauer, S.Q. Dornbos (eds.). 2011. Quantifying the evolution of early life: numerical approaches to the evaluation of fossils and ancient ecosystems. Topics in Geobiology: v. 36, Springer

#### Text Book Proposals

Cambridge University Press

### Research Grant Proposals

National Science Foundation: Sedimentary Geology and Paleobiology

Petroleum Research Fund - New Directions Proposal (February 2015)

Graduate Women in Science Fellowship (April 2011)

National Science Foundation: Ecological Biology Cluster

### *Professional Meetings*

- Session convener and chair: Sunday November 1, 2015, The Fossil Record of Parasite-Host Interactions: New Perspectives and Approaches, Annual Meeting of the Geological Society of America, Baltimore, MD, Co-convener and co-chair: Kenneth De Baets
- Session Chair: Friday March 30, 2007, Paleontological Potpourri, Southeast Section Meeting of the Geological Society of America, Savannah, GA, Co-Chair: Anthony J. Martin
- Session Chair: Friday March 26, 2004, Pre-Cenozoic Paleontology, Joint Meeting of the Southeast and Northeast Sections of the Geological Society of America, Tysons Corner, VA, Co-Chair Lisa Berrios

### *Educational Outreach*

- Class presentation on geologic time at Geological Sciences Building, South Callaway Elementary 2<sup>nd</sup> grade classes, April 23, 2019.
- Guest speaker, Honors College Science Class, University of Missouri, December 7, 2017. Discussed evolutionary paleoecology.
- Faculty advisor, MUGGS renovation and repair of interpretive geology display near the Martin Luther King Jr. Memorial Battle Gardens entrance to the MKT trail in cooperation with members of the community and Columbia Parks and Recreation, October 14, 2017.
- Career day speaker, March 9, 2017, Kindergarten classes (Mrs. Rhonda Hafner), Parkade Elementary School, Columbia, MO
- Guest speaker, Honors College Science Class, University of Missouri, December 8, 2016. Discussed evolutionary paleoecology.
- Class presentation on fossils at Geological Sciences Building, May 9, 2016, “Dinosaur field trip” for Carousel Playschool.
- Invited speaker, Saturday Morning Science, University of Missouri, February 6, 2016. *Finding meaning in the broken: What fossil shells reveal about past predators and parasites*
- Guest speaker, Honors College Science Class, University of Missouri, December 10, 2015. Discussed evolutionary paleoecology
- Educational Outreach, Dinosaurs and Cavemen 2015, March 14, 2015. Co-arranged two interactive educational displays on Missouri fossils and victims of mass extinction for the Dinosaurs and Cavemen 2015 Science Expo at Rockbridge High School, Columbia, MO. This event is designed for K-12 students and serves hundreds of students.
- Class presentation on fossils at Geological Sciences Building, April 10, 2014, Lee Elementary School, Columbia, MO
- Class presentation on fossils at Geological Sciences Building, April 8, 2014, Lee Elementary School, Columbia, MO
- Class presentation on dinosaurs, February 27, 2014, Dr. Ann Mehr’s 3<sup>rd</sup> grade art class, Lee Elementary School, Columbia, MO
- Discussion Leader: Wednesday December 2, 2009, Evolution and the Christian Faith, International Jesus Gemeinde, Erlangen, Germany
- Class presentation on early life, March 9, 2007, Mr. Charles Jervis’ high school biology class, at Department of Geosciences Museum, VPI&SU

- Class presentation on ancient life, Tuesday November 25, 2003, Ms. Susan Briggs' class, North Buncombe Elementary School, Weaverville, NC

### **Professional Organizations**

The Paleontological Society  
The Geological Society of America

### **Recent Collaborators**

Alberti, Matthias	University of Kiel
Anderson, Evan P.	Columbia College
Andreasen, Brock D.	University of Missouri
Avila, Teresa D.	The Ohio State University
Azzarone, Michele	Università di Bologna
Beem, Jordon	University of Missouri
Betts, Marissa J.	University of New England
Boag, Thomas H.	Yale University
Broce, Jesse S.	Towson University
Brock, Glenn A.	Macquarie University
Bykova, Natalia	Siberian Branch Russian Academy of Sciences
Cai, Yaoping	Northwest University
Capraro, Luca	University of Padova
Chattopadhyay, Devapriya	Indian Institute of Science Education and Research Kolkata
Clapp, Daniel A.	University of Missouri
Clements, Jeff C.	Fisheries and Oceans Canada – Gulf Fisheries Centre
De Baets, Kenneth	University of Warsaw
Epa, Yuwan R.	University of Missouri
Faranda, Costanza	University of Roma Tre
Feretti, Patrizia	CNR-IDPA Venezia Mestre
Fike, David A.	Washington University in St. Louis
Finnegan, Seth	University of California, Berkeley
Fürsich, Franz T.	GeoZentrum Nordbayern, Friedrich-Alexander Universität
Glascoek, Michael	University of Missouri
Gomez, Francisco	University of Missouri
Gregg, Jay M.	Oklahoma State University
Hale, Kelly E.	New York State Department of Environmental Conservation
Hawkins, Andrew D.	Towson University
Hethke, Manja	Freie Universität Berlin
Heuer, Paige	University of Missouri
Hinman, Nancy W.	University of Montana
Hofmann, Michael H.	University of Montana
Jacobs, Gabriel S.	University of Missouri
Jacquet, Sarah M.	University of Missouri
Jeffrey, Matthew	Bellarmino University
Kelley, Patricia	University of North Carolina at Wilmington
Klompemaker, Adiel A.	Alabama Museum of Natural History
Kowalewski, Michal	Florida Museum of Natural History/University of Florida
Laflamme, Marc	University of Toronto Mississauga
Lamadrid, Hector	University of Missouri
Linehan, Liane C.	University of Missouri

Liu Chunlian	Sun Yat-sen University, China
MacKenzie, Lindsay A.	SUNY Geneseo
Macri, Patrizia	Istituto Nazionale di Geofisica e Vulcanologia, Roma
McNamara, Maria	University College Cork
Meyer, David L.	University of Cincinnati
Meyer, Michael	Harrisburg Institute of Science and Technology
Miller, April A.	University of Missouri
Muscente, Andrew D.	Cornell College
Nelson, Lyle L.	Johns Hopkins University
O'Donnell, Kenneth	AECOM, Germantown, MD
O'Neil, Gretchen R.	North Dakota State University
Portell, Roger W.	Florida Museum of Natural History/University of Florida
Pulsipher, Mikaela	University of Missouri
Richardson, Pate	University of Missouri
Robertson, Tim	University of Missouri
Rossi, Veronica	Università di Bologna
Ruga, Mikaela	University of Missouri
Ryan, Delaney	University of Missouri
Scarponi, Daniele	Università di Bologna
Scirocco, Tommaso	ISMAR – Lesina
Schiffbauer, James D.	University of Missouri
Selly, Tara	University of Missouri
Shelton, Kevin	University of Missouri
Skawina, Aleksandra	University of Warsaw
Smith, Emmy	Johns Hopkins University
Snyder, John C.	University of Missouri
Soldati, Arianna	North Carolina State University
Stanley Jr., George D.	University of Montana
Steiner, Michael	Freie Universität Berlin
Strange, Michael A.	University of Nevada, Las Vegas
Thater, Casey A.	University of Missouri
Todd, Jonathan A	Natural History Museum (London)
Whittington, Alan	University of Texas at San Antonio
Xiao, Shuhai	Virginia Polytechnic Institute and State University
Yang, Ben	Chinese Academy of Geological Sciences

## References

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