

Curriculum Vitae

Dr. John Warren Huntley, Assistant Professor

Department of Geological Sciences

University of Missouri

101 Geology Building

Columbia, MO 65211

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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 *did* 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

- 2013-present *Assistant Professor*
Department of Geological Sciences
University of Missouri, Columbia, MO
- 2011-2013 *Visiting Assistant Professor*
Department of Geology
St. Lawrence University, Canton, NY
- 2009-2011 *Humboldt Research Fellow*
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

Peer-Reviewed Journal Articles and Book Chapters

(#student author; *corresponding author)

Schiffbauer, J.D., K.L. Shelton, **J.W. Huntley**, M. Jeffrey#, D.A. Fike. In Progress. Temporal and spatial variation of the SPICE event across a depth gradient.

Huntley, J.W., J.D. Schiffbauer, T.D. Avila#, J.S. Broce#. In Progress. Live-dead fidelity and spatial averaging of ecophenotypic variation and body size among intertidal bivalves.

Selly, T.L.#, J.D. Schiffbauer*, **J.W. Huntley**, A.C. Daley. In Progress. Compositional hyperspace analysis of anomalocaridids to assess the taphonomic role of aluminosilicates in Burgess Shale-type preservation.

Hale, K.E.#, T.L. Selly#, J.D. Schiffbauer, **J.W. Huntley***. In Progress. The influence of environmental gradients on community structure, body size, and predation, San Salvador, The Bahamas I: Bivalves.

Selly, T.L.#, K.E. Hale#, D.A. Clapp#, **J.W. Huntley**, J.D. Schiffbauer*. In Progress. The influence of environmental gradients on community structure, body size, and predation, San Salvador, The Bahamas II: Gastropods.

Muscente, A.D.*, M. Laflamme, J.D. Schiffbauer, J. Broce, K. O'Donnell, T. Boag, M. Meyer, A. Hawkins, **J.W. Huntley**, S. Xiao. In Review. Exceptionally preserved fossil assemblages through geologic time and space. *Nature Communications*.

Schiffbauer, J.D.*, **J.W. Huntley**, G.R. O'Neil#, S.A.F. Darroch, M. Laflamme, Y. Cai. In Press. The latest Ediacaran wormworld fauna: Setting the ecological stage for the Cambrian Explosion. *GSA Today*.

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.

Selly, T.L.#, **J.W. Huntley**, K.L. Shelton, J.D. Schiffbauer*. 2016. Ichnofossil record of selective predation by Cambrian trilobites. *Palaeogeography, Palaeoclimatology, Palaeoecology* 444:28-38.

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.

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.

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.

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.

- 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.
- 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. *Palaios* 28:724-735.
- 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.
- 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.
- Huntley, J.W.**, D. Scarponi. 2012. Evolutionary and ecological implications of trematode parasitism of modern and fossil northern Adriatic bivalves. *Paleobiology* 38:40-51.
- 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.
- Huntley, J.W.** 2009. Phanerozoic predation intensity and diversity, p.278-281. McGraw-Hill *Yearbook of Science and Technology* 2009.
- 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.
- 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.
- 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.
- 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.
- 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

- Selly, T.**, 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.
- Schiffbauer, J.D.*, 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.
- J.W. Huntley***, K. De Baets, D. Scarponi. 2015. The trace fossil record of trematode-bivalve parasite-host interactions. *GSA Abstracts with Programs* vol. 47, no. 7.
- Scarponi, D.*, 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.
- Hale, K.E.*[#], **J.W. Huntley**, D. Scarponi, R.P. Stuart III[#]. 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.
- O’Neil, G.E.*[#], **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.
- Schiffbauer, J.D.*[#], 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.
- Selly, T.*[#], **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.
- Scarponi, D.*[#], 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.
- Selly, T.L.*[#], 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.
- 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.
- 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.
- Selly, T.*[#], 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.
- Huntley, J.W.***, D. Scarponi. 2014. Stratigraphic paleobiology of trematode parasites and bivalve hosts. 10th North American Paleontological Convention Abstracts. Gainesville, FL.
- Scarponi, D.*[#], **J.W. Huntley**, L. Capraro. 2014. Stratigraphic paleoecology of the Valle di Manche section (Croton Basin, Italy): a candidate GSSP of the Middle Pleistocene. 10th North American Paleontological Convention Abstracts. Gainesville, FL.
- 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.
- Harris, J.M.*[#], **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.
- 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. 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.
- Dexter, T.A.*[#], 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.
- 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.
- Huntley, J.W.***, D. Scarponi. 2011. Trematode parasitism of modern and fossil northern Adriatic bivalves. *GSA Abstracts with Programs*, vol. 43, no. 5.
- 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.
- 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.
- 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.
- 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*.
- 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.
- 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.
- 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.

- 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. 9th North American Paleontological Convention Abstracts, p. 37-38. Cincinnati, OH.
- 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.
- 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.
- Kowalewski, M.* and **J.W. Huntley**. 2008. The Phanerozoic fossil record of predation traces. *Ichnia* 2008.
- 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.
- 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.
- Kowalewski, M.* and **J.W. Huntley**. 2007. The fossil record of predation: a quantitative overview. GSA Abstracts with Programs, vol. 39, no. 6.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Kelley, P.H., M.A. Crump, **J.W. Huntley***, H.M. Key, K.A. Nelson, and J.A. Pierson. 2002. Paleocology of the Waccamaw Formation (Plio-Pleistocene) near Old Dock, Columbus County, North Carolina. GSA Abstracts with Programs, vol. 34, no. 2.

* indicates presenting author

indicates student abstract

Teaching Experience

University of Missouri: Principles of Geology (3), Historical Geology (3), Patterns and Processes in the Fossil Record (undergraduate/graduate), Quantitative Paleobiology (graduate), Advanced Paleontology (graduate)

St. Lawrence University: Invertebrate Paleontology, Paleocology, 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

Graduate Student Advising

Graduate Advisor

2016-present Mikaela Ruga (MS)
2015-present Matthew Jeffrey (MS)
2015-present Liane Linehan (MS)
2014-2016 Kelly Hale (MS; successfully defended April 19, 2016)

Graduate Committee Member

2015-present Tara Selly (PhD), Mizzou Geology
2013-present Shannon Haynes (PhD), Mizzou Geology
2013-present Jesse Broce (PhD), Mizzou Geology
2015-2016 Page Quinton (PhD), Mizzou Geology
2014-2016 Gretchen O'Neil (MS), Mizzou Geology
2013-2015 Tara Selly (MS), Mizzou Geology

Undergraduate Student Advising

McNair Scholar Advisor

2014-15 Ronald Stuart

Undergraduate Research Advisor

2015-present James Smith (co-advised with Jim Schiffbauer)
2015-present Giselle Castaneda-Huerta
2014-15 Teresa Avila (co-advised with Jim Schiffbauer)

Professional Development

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

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*
*On-campus job interview

Fellowships, Grants, and Awards

External Funding Agencies

2016-2018 **Pending:** 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 **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*
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
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

Internal University Grants

2016 **Pending:** 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

Other Honors

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

2015-present Mizzou Geology: Computing Facility Committee

2015-present Mizzou Geology: Graduate Admissions Committee

2014-present Mizzou Geology: Colloquium Committee, Chair

2014-present Mizzou Geology: Salary Advisory Committee (and Committee on Faculty Responsibility)

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

2011-2013 SLU Geology: Academic Advisor (number of advisees: 5)

University Service

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

Professional Society Service

2015-present Geobiology & Geomicrobiology Division Representative for the Geological Society of America External Awards Committee

2014-2015 Paleontological Society Student Grant Review Panel Member

Peer Review

Journals

Acta Palaeontologica Polonica
Advances in Parasitology

Bolletino della Societa Paleontologica Italiana
Evolution
Geobiology
Geology
Journal of Shellfish Research
Marine Ecology Progress Series
Palaios
Paleobiology
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, SQ 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

Graduate Women in Science Fellowship (April 2011)
National Science Foundation: Ecological Biology Cluster
National Science Foundation: Sedimentary Geology and Paleobiology
Petroleum Research Fund - New Directions Proposal (February 2015)

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

- 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 3rd 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
 Sigma Xi

Collaborators

Ahmed Awad Abdelhady: Minia University, Egypt
 Matthias Alberti: Christian-Albrechts-Universität zu Kiel, Germany
 Wagih Ayoub-Hannaa: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany
 Yao-Ping Cai: Northwest University, China
 Simon A.F. Darroch: Vanderbilt University
 David A. Fike: Washington University in St. Louis
 Claudio De Francesco: CONICET, Universidad Nacional de Mar del Plata, Argentina
 Franz T. Fürsich: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany
 W. Burleigh Harris: University of North Carolina at Wilmington
 Manja Hethke: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany
 Darrell S. Kaufman: Northern Arizona University
 Patricia H. Kelley (MS Advisor): University of North Carolina at Wilmington
 Michał Kowalewski (Ph.D. Advisor): Florida Museum of Natural History/University of Florida
 Marc Laflamme: University of Toronto Mississauga
 Lindsey Leighton: University of Alberta, Canada
 Chunlian Liu: Sun Yat-sen University, China
 A.D. Muscente: Virginia Polytechnic Institute and State University
 Christopher Romanek: University of Kentucky
 Daniele Scarponi: Università di Bologna, Italy
 James D. Schiffbauer: University of Missouri
 Kevin L. Shelton: University of Missouri
 Shuhai Xiao (Ph.D. Committee Member): Virginia Polytechnic Institute and State University
 Yurena Yanes: University of Cincinnati

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