

James Christopher Lamsdell

Curriculum Vitae

Updated 4th October 2023

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Brooks Hall, Morgantown, WV 26506, USA

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Current Position: Associate Professor of Geology, West Virginia University

Field of Specialization: Paleobiology

Research Interests: Macroevolution, Arthropod paleobiology, Phylogenetic paleoecology,
Heterochrony, Mass extinctions

Career summary: \$1,005,421 total grant funding (3 major grants, 13 small grants)
62 peer-reviewed publications, 81 talks and presentations

Education

2014	PhD (Honors)	University of Kansas
2008	MSc (Distinction)	University of Bristol
2007	BSc (Honours)	University of Birmingham

Employment History

2021–Present	Associate Professor of Paleobiology	West Virginia University
2017–2021	Assistant Professor of Paleobiology	West Virginia University
2017–2019	Research Associate	American Museum of Natural History
2016	Lerner-Gray Postdoctoral Fellow	American Museum of Natural History
2014–2015	Postdoctoral Associate	Yale University
2014	Course Instructor	University of Kansas
2010–2014	Graduate Research Assistant	University of Kansas

Publications and Presentations (* indicates invited review paper)

Student authors and presenters are underlined

Peer-reviewed journal articles

62. *Lamsdell JC. In press. Evolutionary history of the dynamic horseshoe crab. *International Wader Studies*.
61. Briggs DEG, Siveter DJ, Siveter DJ, Sutton MD, Legg D, Lamsdell JC. 2023. A vicissicaudatan arthropod from the Silurian Herefordshire Lagerstätte, UK. *Royal Society Open Science* **10** (230661).
60. Ma Z, Zhang T, Lamsdell JC, Chen J, Selden PA, Chen L. 2023. Early Devonian (Lochkovian) eurypterids from the Yunnan Province of South-west China. *Geological Magazine* **160**, 172–179.
59. Lamsdell JC, Isotalo PA, Rudkin DM, Martin MJ. 2023. A new species of the Ordovician horseshoe crab *Lunataspis*. *Geological Magazine* **160**, 167–171.
58. Plotnick RE, Lamsdell JC. 2023. Eurypterids from the Price Formation of Virginia: first eurypterids from the Mississippian of North America. *Journal of Paleontology* **97**, 167–171.

57. Wang J, Liu L, Xue J, **Lamsdell JC**, Selden PA. 2022. A new genus and species of eurypterid (Chelicerata, Eurypterida) from the Lower Devonian Xiaishancun Formation of Yunnan, southwestern China. *Geobios* **75**, 53–61.
56. Ma Z, Selden PA, **Lamsdell JC**, Zhang T, Chen J, Zhang X. 2022. Two new eurypterids (Arthropoda: Chelicerata) from the upper Silurian Yulongsi Formation of south-west China. *Journal of Paleontology* **96**, 1078–1086.
55. **Lamsdell JC**. 2022. The chelicerae of *Slimonia* (Eurypterida; Pterygotoidea). *Yale Peabody Museum Bulletin* **63**, 15–25.
54. **Lamsdell JC**. 2022. One name to rule them all: *Belinurus trilobitoides* (Buckland, 1837) is senior synonym of fourteen named species. *Journal of Paleontology* **96**, 237–241.
53. **Lamsdell JC**, Clapham ME. 2021. *Belinurus* Bronn, 1839 (Chelicerata, Xiphosura) has priority over *Bellinurus* Pictet, 1846. *Journal of Paleontology* **95**, 1352–1355.
52. **Beech JD**, **Lamsdell JC**. 2021. Phylogeny, disparity, and mass extinction response in the trilobite order Harpetida. *Papers in Palaeontology* **7**, 2205–2225.
- 51.* **Lamsdell JC**. 2021. The conquest of spaces: exploring drivers of morphological shifts through phylogenetic palaeoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology* **583** (110672), 1–14.
50. **Lamsdell JC**. 2021. A new method for quantifying heterochrony in evolutionary lineages. *Paleobiology* **47**, 363–384.
49. Falk AR, **Lamsdell JC**, Gong E. 2021. Principal component analysis of avian hind limb and foot morphometrics and the relationship between ecology and phylogeny. *Paleobiology* **47**, 314–336.
48. **Hughes ES**, **Lamsdell JC**. 2021. Discerning the diets of sweep-feeding eurypterids: assessing the importance of prey size to survivorship across the Late Devonian mass extinction in a phylogenetic context. *Paleobiology* **47**, 271–283.
47. **Lamsdell JC**, Congreve CR. 2021. Phylogenetic paleoecology: macroecology within an evolutionary framework. *Paleobiology* **47**, 171–177.
46. Anderson EP, Schiffbauer JD, Jacquet SM, **Lamsdell JC**, Kluessendorf J, Mikulic DG. 2021. Stranger than a scorpion: a reassessment of *Parioscorpio venator*, a problematic arthropod from the Llandoveryan Waukesha Lagerstätte. *Palaeontology* **64**, 429–474.
45. **Lamsdell JC**, Teruzzi G, Pasini G, Garassino A. 2021. A new limulid (Chelicerata, Xiphosura) from the Lower Jurassic (Sinemurian) of Osteno, Italy. *Neues Jahrbuch für Geologie und Paläontologie* **300**, 1–10.
44. **Lamsdell JC**. 2020. The phylogeny and systematics of Xiphosura. *PeerJ* **8** (e10431), 1–45.
43. **Lamsdell JC**, McCoy VE, **Perron-Feller O**, Hopkins MJ. 2020. Air breathing in an exceptionally preserved 340 million year old sea scorpion. *Current Biology* **30**, 4316–4321.
42. Gueriau P, **Lamsdell JC**, Wogelius RA, Manning PL, Egerton VM, Bergmann U, Bertrand L, Denayer J. 2020. A new Devonian euthycarcinoid reveals the use of different respiratory strategies during the marine-to-terrestrial transition in the myriapod lineage. *Royal Society Open Science* **7** (201037), 1–9.
41. **Lamsdell JC**. 2020. A chasmataspidid affinity for the putative xiphosuran *Kiaeria* Størmer, 1934. *Paläontologische Zeitschrift* **94**, 449–453.
40. McCoy VE, Wiemann J, **Lamsdell JC**, Whalen CD, Lidgard S, Mayer P, Petermann H, Briggs DEG. 2020. Chemical signatures of soft tissues distinguishes between vertebrates and invertebrates from the Carboniferous Mazon Creek Lagerstätte of Illinois. *Geobiology* **18**, 560–565.

39. **Lamsdell JC**, Tashman JN, Pasini G, Garassino A. 2020. A new limulid (Chelicerata: Xiphosurida) from the Upper Cretaceous (Cenomanian-Turonian) of Gara Sbaa, northwest Africa. *Cretaceous Research* **106** (104230), 1–7.
38. Olive S, Pradel A, Martinez-Perez C, Janvier P, **Lamsdell JC**, Gueriau P, Rabet N, Duranleau-Gagnon P, Cardenas-Rozo AL, Zapata Ramirez PA, Botella H. 2019. New insights into Late Devonian vertebrates and associated fauna from the Cuche Formation (Floresta Massif, Colombia). *Journal of Vertebrate Paleontology* **39**(e1620247), 1–18.
37. **Lamsdell JC**, Lagebro L, Edgecombe GD, Budd GE, Gueriau P. 2019. Stylonurine eurypterids from the Strud locality (Upper Devonian, Belgium): new insights into the ecology of freshwater sea scorpions. *Geological Magazine* **156**, 1708–1714.
36. **Lamsdell JC**, Gunderson GO, Meyer RC. 2019. A common arthropod from the Late Ordovician Big Hill Lagerstätte (Michigan) reveals an unexpected ecological diversity within Chasmataspida. *BMC Evolutionary Biology* **19** (8), 1–24.
35. Plax DP, **Lamsdell JC**, Vrazo MB, Barbikov DV. 2018. A new genus of eurypterid (Chelicerata: Eurypterida) from the Upper Devonian salt deposits of Belarus. *Journal of Paleontology* **92**, 838–849.
34. Congreve CR, Falk AR, **Lamsdell JC**. 2018. Biological hierarchies and the nature of extinction. *Biological Reviews* **93**, 811–826.
33. **Lamsdell JC**, Marshall DJ, Briggs DEG. 2018. Hit and miss: (A comment on Persons and Acorn, “A sea scorpion’s strike: new evidence of extreme lateral flexibility in the opisthosoma of eurypterids”). *The American Naturalist* **191**, 352–354.
32. Rubin M, **Lamsdell JC**, Prendini L, Hopkins MJ. 2017. Exocuticular hyaline layer of sea scorpions and horseshoe crabs suggests cuticular fluorescence is plesiomorphic in chelicerates. *Journal of Zoology* **303**, 245–253.
31. **Lamsdell JC**, Congreve CR, Hopkins MJ, Krug AZ, Patzkowsky ME. 2017. Phylogenetic Paleocology: tree-thinking and ecology in deep time. *Trends in Ecology and Evolution* **32**, 452–463.
30. Dunlop JA, **Lamsdell JC**. 2017. Segmentation and tagmosis in Chelicerata. *Arthropod Structure and Development* **46**, 395–418.
29. **Lamsdell JC**, Selden PA. 2017. From success to persistence: identifying an evolutionary regime shift in the diverse Paleozoic aquatic arthropod group Eurypterida, driven by the Devonian biotic crisis. *Evolution* **71**, 95–110.
28. **Lamsdell JC**, LoDuca ST, Gunderson GO, Meyer RC, Briggs DEG. 2017. A new Lagerstätte from the Late Ordovician Big Hill Formation, Upper Peninsula, Michigan. *Journal of the Geological Society* **174**, 18–22.
27. **Lamsdell JC**, Briggs DEG. 2017. The first diploaspidid (Chelicerata: Chasmataspida) from North America (Silurian, Bertie Group, New York State) is the oldest species of *Diploaspis*. *Geological Magazine* **154**, 175–180.
26. McCoy VE, Saupe EE, **Lamsdell JC**, Tarhan LG, McMahon S, Lidgard S, Mayer P, Whalen CD, Soriano C, Finney L, Vogt S, Clark EG, Anderson RP, Petermann H, Locatelli ER, Briggs DEG. 2016. The Tully Monster is a vertebrate. *Nature* **252**, 496–499.
25. Congreve CR, **Lamsdell JC**. 2016. Implied weighting and its utility in palaeontological datasets: a study using modelled phylogenetic matrices. *Palaeontology* **59**, 447–462.
24. **Lamsdell JC**. 2016. Horseshoe crab phylogeny and independent colonisations of freshwater: ecological invasion as a driver for morphological innovation. *Palaeontology* **59**, 181–194.

23. Lamsdell JC, Briggs DEG, Liu HP, Witzke BJ, McKay RM. 2015. A new Ordovician arthropod from the Winneshiek Lagerstätte of Iowa reveals the ground plan of eurypterids and chasmataspidids. *The Science of Nature* **102** (63), 1–8.
22. Lamsdell JC, Briggs DEG, Liu HP, Witzke BJ, McKay RM. 2015. The oldest described eurypterid: a giant Middle Ordovician (Darriwilian) megalograptid from the Winneshiek Lagerstätte of Iowa. *BMC Evolutionary Biology* **15** (169), 1–31.
21. McCoy VE, Lamsdell JC, Poschmann M, Anderson RP, Briggs DEG. 2015. All the better to see you with: eyes and claws reveal the evolution of divergent ecological roles in giant pterygotid eurypterids. *Biology Letters* **11** (20150564), 1–4.
20. Lamsdell JC, McKenzie SC. 2015. *Tachypleus syriacus* (Woodward) – a sexually dimorphic Cretaceous crown limulid reveals underestimated horseshoe crab divergence times. *Organisms Diversity & Evolution* **15**, 681–693.
19. Selden PA, Lamsdell JC, Liu Q. 2015. An unusual xiphosuran linking horseshoe crabs and eurypterids, from the Lower Devonian (Lochkovian) of Yunnan, China. *Zoologica Scripta* **44**, 645–652.
18. Lamsdell JC, Selden PA. 2015. Phylogenetic support for the monophyly of proetide trilobites. *Lethaia* **48**, 375–386.
17. Marshall DJ, Lamsdell JC, Shpinev E, Braddy SJ. 2014. A diverse chasmataspidid (Arthropoda: Chelicerata) fauna from the Early Devonian (Lochkovian) of Siberia. *Palaeontology* **57**, 631–655.
16. Lamsdell JC, Stein M, Selden PA. 2013. *Kodymirus* and the case for convergence of raptorial appendages in Cambrian arthropods. *Naturwissenschaften* **100**, 811–825.
15. Lamsdell JC, Simonetto L, Selden PA. 2013. First eurypterid from Italy: a new species of *Adelophthalmus* (Chelicerata: Eurypterida) from the Upper Carboniferous of the Carnic Alps (Friuli, NE Italy). *Rivista Italiana di Paleontologia e Stratigrafia* **119**, 147–151.
14. Lamsdell JC, Selden PA. 2013. Babes in the wood – a unique window into sea scorpion ontogeny. *BMC Evolutionary Biology* **13** (98), 1–46.
13. Lamsdell JC, Percival IG, Poschmann M. 2013. The problematic ‘chelicerate’ *Melbournopterus crossotus* Caster & Kjellesvig-Waering: a case of mistaken identity. *Alcheringa* **37**, 344–348.
12. Lamsdell JC, Xue J-Z, Selden PA. 2013. A horseshoe crab (Arthropoda: Chelicerata: Xiphosura) from the Lower Devonian (Lochkovian) of Yunnan, China. *Geological Magazine* **150**, 367–370.
11. Lamsdell JC. 2013. Redescription of *Drepanopterus pentlandicus* Laurie 1892, the earliest known mycteropoid (Chelicerata: Eurypterida) from the early Silurian (Llandovery) of the Pentland Hills, Scotland. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh* **103**, 77–103.
10. Lamsdell JC. 2013. Revised systematics of Palaeozoic ‘horseshoe crabs’ and the myth of monophyletic Xiphosura. *Zoological Journal of the Linnean Society* **167**, 1–27.
9. Lamsdell JC, Hoşgör İ, Selden PA. 2013. A new Ordovician eurypterid (Arthropoda: Chelicerata) from southeast Turkey: evidence for a cryptic Ordovician record of Eurypterida. *Gondwana Research* **23**, 354–366.
8. Dunlop JA, Lamsdell JC. 2012. Nomenclatural notes on the eurypterid family Carcinomatidae. *Zoosystematics and Evolution* **88**, 19–24.
7. Lamsdell JC. 2011. The eurypterid *Stoermeropterus conicus* from the lower Silurian Pentland Hills, Scotland. *Monograph of the Palaeontological Society*, London: 1–84, pls 1–15.

6. Lomax DR, Lamsdell JC, Ciuca Jr. SJ. 2011. A collection of eurypterids from the Silurian of Lesmahagow collected pre 1900. *Geological Curator* **9**, 331–348.
5. Lamsdell JC, Legg DA. 2010. An isolated pterygotid ramus (Chelicerata: Eurypterida) from the Devonian Beartooth Butte Formation, Wyoming. *Journal of Paleontology* **84**, 1206–1208.
4. Lamsdell JC, Braddy SJ, Loeffler EJ, Dineley DL. 2010. Early Devonian stylonurine eurypterids from Arctic Canada. *Canadian Journal of Earth Sciences* **47**, 1405–1415.
3. Lamsdell JC, Braddy SJ, Tetlie OE. 2010. The systematics and phylogeny of the Stylonurina (Arthropoda: Chelicerata: Eurypterida). *Journal of Systematic Palaeontology* **8**, 49–61.
2. Lamsdell JC, Braddy SJ. 2010. Cope's Rule and Romer's theory: Patterns of diversity and gigantism in eurypterids and Palaeozoic vertebrates. *Biology Letters* **6**, 265–269.
1. Lamsdell JC, Braddy SJ, Tetlie OE. 2009. Redescription of *Drepanopterus abonensis* (Chelicerata: Eurypterida: Stylonurina) from the Late Devonian of Portishead, UK. *Palaeontology* **52**, 1113–1139.

Book Reviews

2. Lamsdell JC. 2014. Review of *Visions of a Vanished World*, by Gabrielle C. Kühl, Derek E. G. Briggs and Jes Rust. *Priscum, Paleontological Society Newsletter*.
1. Lamsdell JC. 2012. Review of *Eurypterids Illustrated*, by Samuel J. Ciuca, Jr. *Palaeontological Association Newsletter*.

Invited Talks (* indicates keynote talk)

15. Lamsdell JC. 2021. Horseshoe crabs: past, present, future? *Centre College, Senior Seminar*.
14. Lamsdell JC. 2021. The Big Hill Lagerstätte; a small locality with large implications for early chelicerate evolution. *Earth Science Club of Northern Illinois Meeting*.
13. Lamsdell JC. 2020. Making a mountain out of Big Hill: how the little Lagerstätte that could is revolutionizing our understanding of early chelicerate evolution. *Friends of the University of Michigan Museum of Paleontology Meeting*.
12. Lamsdell JC. 2019. Ecological outcomes of the Late Devonian, a time of biotic crisis. *Centre College, Senior Seminar*.
- 11.* Lamsdell JC. 2019. Leveraging the combined power of phylogenies and paleoecology to understand patterns and processes of evolution in the fossil record. *Geological Society of America Annual Meeting, New Voices in Geobiology Theme Session*.
10. Lamsdell JC. 2019. What's the deal with chasmataspidids? *North American Paleontological Convention*.
9. Lamsdell JC. 2019. From fruit flies to sea scorpions: eurypterids as model organisms for evolutionary research. *Burpee Museum PaleoFest*.
- 8.* Lamsdell JC. 2019. Horseshoe crabs: living fossils or dynamic survivors? *Paleontological Research Institute Darwin Day Festival*.
7. Lamsdell JC. 2018. Exploring environmental drivers of morphological change in horseshoe crabs and sea scorpions. *Ohio University, Department of Geological Sciences Colloquium*.
- 6.* Lamsdell JC. 2018. Exploring drivers of morphological shifts through phylogenetic paleoecology. *Southeast Regional Geological Society of America Meeting, Morphology and Evolutionary Trends Theme Session*.
5. Lamsdell JC. 2017. The dynamic horseshoe crab: morphological change and ecological invasion over 475 million years of evolution. *University of Maryland, Department of Entomology Colloquium*.

- 4.* **Lamsdell JC.** 2017. Biodiversity through a fossil lens: why the future is full of rats. *Centre College, Convocation.*
3. **Lamsdell JC.** 2017. Playing with a cold deck; what arthropods can tell us about surviving the end Devonian. *Centre College, Senior Seminar.*
2. **Lamsdell JC.** 2016. Surviving the Late Devonian mass extinction: lessons from eurypterid paleoecology and phylogenetics. *West Virginia University, Geology Colloquium.*
1. **Lamsdell JC.** 2016. Exploring the evolutionary hierarchy: 230 million years of macroevolution in arthropods. *Penn State University, Paleobiology Seminar.*

Presentations

66. Harris OB, Sheffield S, Lam AR, Bauer JE, Deline B, **Lamsdell JC.** 2023. Connecting early Paleozoic echinoderm diversity dynamics to shifting climate patterns. *Geological Society of America Annual Meeting.* (Talk)
65. Orman S, Ocon SB, Favaro A, **Lamsdell JC**, Bauer JE. 2023. Where's your head at: exploration and evaluation of eurypterid morphospace. *Geological Society of America Annual Meeting.* (Talk)
64. Ocon SB, **Lamsdell JC.** 2023. Comparative evolutionary trends in Xiphosura. *Geological Society of America Annual Meeting.* (Talk)
63. **Lamsdell JC**, Ocon SB, Meyer RC. 2023. An aberrant Late Ordovician horseshoe crab reveals early morphological experimentation within Xiphosura. *Geological Society of America Annual Meeting.* (Talk)
62. Ocon SB, Favaro A, Gumowski L, Barrett H, **Lamsdell JC.** 2023. Fossil detectives: an interactive lesson plan on horseshoe crab paleontology. *Geological Society of America Annual Meeting.* (Talk)
61. Voss BD, **Lamsdell JC.** 2023. A comprehensive phylogeny of the neglected chelicerate order Chasmataspidida. *Geological Society of America Annual Meeting.* (Talk)
60. Farmerie NJ, Ocon SB, **Lamsdell JC.** 2023. Morphological variation in the xiphosurid species *Limulitella bronniei*. *Geological Society of America Annual Meeting.* (Poster)
59. Hughes ES, **Lamsdell JC.** 2023. A combined morphological and molecular phylogenetic analysis of fossil and extant marine clawed lobsters and freshwater crayfish. *Geological Society of America Annual Meeting.* (Talk)
58. Sanford RG, **Lamsdell JC.** 2023. Testing for functional constraints among trends in eurypterid appendicular diversity and disparity. *Geological Society of America Annual Meeting.* (Poster)
57. Voss BD, **Lamsdell JC.** 2022. The phylogeny of Chasmataspidida (Arthropoda; Chelicerata). *Geological Society of America Annual Meeting.* (Poster)
56. Orman S, Eccles J, Bauer JE, **Lamsdell JC**, Favaro A. 2022. A case study in rapid digitization using fossil sea scorpions. *Geological Society of America Annual Meeting.* (Poster)
55. Congreve CR, Falk AR, **Lamsdell JC.** 2022. Dual hierarchy theory and the enduring legacy of punctuated equilibrium. *Geological Society of America Annual Meeting.* (Talk)
54. Harris OB, Sheffield S, Lam AR, Bauer JE, Deline B, **Lamsdell JC**, Alfred S, Botwin M, Favaro A, Hernandez Gomez NJ, Hill S, McCain KM, Melendez LE, Schieler JN, Vantoorenburg H. 2022. Exploring origination and extinction patterns in early Paleozoic echinoderms. *Geological Society of America Annual Meeting.* (Talk)
53. Ocon SB, **Lamsdell JC.** 2022. Measuring morphological change: evolutionary rate of discrete characters in Xiphosura. *Geological Society of America Annual Meeting.* (Talk)

52. **Lamsdell JC**. 2022. Developmental parallelisms and paedomorphosis drove convergent evolution between chasmataspidid and eurypterid chelicerates. *Geological Society of America Annual Meeting*. (Talk)
51. Sheffield S, Lam AR, Deline B, **Lamsdell JC**, Bauer JE, Harris OB. 2022. Investigating evolutionary dynamics of Paleozoic echinoderms. *North-Central/Southeast Regional Geological Society of America Meeting*. (Talk)
50. **Lamsdell JC**, Congreve CR. 2021. Shadows of the past: the disjunct distribution of extant horseshoe crabs explained through biogeographic analysis of fossil taxa. *Geological Society of America Annual Meeting*. (Talk)
49. Ocon SB, **Lamsdell JC**. 2021. A morphometric approach to horseshoe crab evolution. *Geological Society of America Annual Meeting*. (Talk)
48. Namiko M, **Lamsdell JC**. 2020. Evaluation of substrate affinities among phacopid trilobites in a phylogenetic framework. *Palaeontological Association Annual General Meeting*. (Poster)
47. Hughes ES, **Lamsdell JC**. 2020. Evidence for synonymy and ontogenetic niche shifts among hibbertopterid eurypterids. *Geological Society of America Annual Meeting*. (Poster)
46. Ocon SB, **Lamsdell JC**. 2020. Examining evolutionary rate in Xiphosura through time. *Geological Society of America Annual Meeting*. (Talk)
45. Plax DP, **Lamsdell JC**, Vrazo MB, Barbikov DV, Klabuk AM. 2020. New eurypterid specimens from the salt deposits of the Upper Devonian of the Pripyat Trough (Belarus). *LXVI Session of the Paleontological Society of Russia*. (Talk)
44. Anderson BM, **Lamsdell JC**, Falk AR, Congreve CR. 2020. Quantifying neglect of research for non-commercial marine species and the potential dangers of generalizing from limited ecological data. *American Malacological Society Annual Meeting*. (Talk)
43. Beech JD, **Lamsdell JC**. 2019. Secrets of the harpetids: phylogeny, disparity, and mass extinction response in the trilobite order Harpetida. *Geological Society of America Annual Meeting*. (Poster)
42. El-Ashkar S, **Lamsdell JC**. 2019. Shifts in paleoecological successions from depositional environments in the Upper Silurian carbonates of central Pennsylvania. *Geological Society of America Annual Meeting*. (Poster)
41. **Lamsdell JC**, McCoy VE, Perron-Feller O, Hopkins MJ. 2019. Interpreting eurypterid paleoecology from gill microstructure revealed through MicroCT scanning and trends towards terrestrialization in chelicerates. *Geological Society of America Annual Meeting*. (Talk)
40. Tybout SW, **Lamsdell JC**. 2019. Estimating evolutionary volatility and predicting extinction using a likelihood-based model. *Geological Society of America Annual Meeting*. (Poster)
39. Ocon SB, **Lamsdell JC**, Bauer JE. 2019. Assessing Paleozoic arthropod survivorship through data aggregators. *Geological Society of America Annual Meeting*. (Poster)
38. Hughes ES, **Lamsdell JC**. 2019. Determining the prey sizes of sweep-feeding eurypterids via analysis of appendage armature. *Geological Society of America Annual Meeting*. (Talk)
37. McCoy VE, Wiemann J, **Lamsdell JC**, Whalen CD, Lidgard S, Mayer P, Petermann H, Briggs DEG. 2019. New evidence for the affinity of the Mazon Creek problematicum *Tullimonstrum gregarium*. *Society of Vertebrate Paleontology Annual Meeting*. (Talk)
36. Beech JD, **Lamsdell JC**. 2019. Death defying morphologies: extinction and disparity in the order Harpetida. *EGU Galileo Conference 5: Mass Extinctions, recovery, and resilience*. (Poster)

35. **Lamsdell JC**. 2018. An environmental driver for heterochronically mediated morphological change in aquatic chelicerate arthropods. *Geological Society of America Annual Meeting*. (Talk)
34. **Perron-Feller O, Lamsdell JC, McCoy VE, Hopkins MJ**. 2018. Breathing life into an extinct sea scorpion: revealing the gill structure of a three-dimensionally preserved eurypterid through Micro-CT scanning. *Geological Society of America Annual Meeting*. (Poster)
33. **Bapst DW, Wright DF, Cole SR, Hopkins MJ, Melchin M, Congreve CR, Lamsdell JC, Mitchell CE, Carlson SJ**. 2018. On the origins of morphospecies – using Bayesian phylogenetics to quantify the mode of ancestor descendant relationships in Paleozoic invertebrates. *Geological Society of America Annual Meeting*. (Talk)
32. **Hughes ES, Lamsdell JC**. 2018. Discerning the diets of sweep-feeding eurypterids through analysis of mesh-modified appendage armature. *Geological Society of America Annual Meeting*. (Poster)
31. **Beech JD, Lamsdell JC**. 2018. Death defying morphologies: extinction and disparity in the order Harpetida. *Geological Society of America Annual Meeting*. (Poster)
30. **Lamsdell JC, McCoy VE, Hopkins MJ**. 2017. Breathing life into an extinct sea scorpion: revealing the gill structure of a three-dimensionally preserved eurypterid through Micro-CT scanning. *Palaeontological Association Annual General Meeting*. (Talk)
29. **Lamsdell JC**. 2017. Resolving problems of phylogeny and homology in lichid trilobites. *West Virginia University, Geology Colloquium*. (Talk)
28. **Lamsdell JC, Hopkins MJ**. 2017. Phylogeny and evolutionary history of lichid trilobites. *Geological Society of America Annual Meeting*. (Talk)
27. **Hopkins MJ, Lamsdell JC**. 2017. No change in morphological disparity in lichid trilobites across the end-Ordovician extinction. *Geological Society of America Annual Meeting*. (Talk)
26. **Falk AR, Lamsdell JC**. 2017. Analysis of modern and fossil avian hindlimbs suggests advanced ornithurine birds in the Early Cretaceous. *American Ornithological Society Annual Meeting*. (Talk)
25. **Lamsdell JC**. 2016. Utilizing phylogenetic paleoecology with Paleozoic arthropods to explore macroevolutionary and macroecological trends. *Geological Society of America Annual Meeting*. (Talk)
24. **Rubin M, Lamsdell JC, Hopkins MJ, Prendini L**. 2016. Cuticular fluorescence in extant and extinct chelicerates. *Geological Society of America Annual Meeting*. (Poster)
23. **Lamsdell JC, Van Roy P, Briggs DEG**. 2015. A giant pterygotid eurypterid from the early Ordovician Fezouata biota of Morocco. *Geological Society of America Annual Meeting*. (Talk)
22. **Congreve CR, Lamsdell JC**. 2015. Implied weighting and its utility in phylogenetic paleontological datasets: a study using modelled phylogenetic matrices. *Geological Society of America Annual Meeting*. (Talk)
21. **McCoy VE, Lamsdell JC, Poschmann M, Anderson RP, Briggs DEG**. 2015. Eyes and claws reveal the evolution of divergent ecological roles in giant pterygotid eurypterids. *Geological Society of America Annual Meeting*. (Talk)
20. **Lamsdell JC, Briggs DEG, Liu HP**. 2014. The Winneshiek Lagerstätte (Middle Ordovician, Darriwilian) of Iowa yields the oldest known eurypterids. *Palaeontological Association Annual General Meeting*. (Talk)

19. **Lamsdell JC, Selden PA.** 2014. Clade history, species ecology and external causal factors influence arthropod survival and recovery during Palaeozoic mass extinctions. *Geological Society of America Annual Meeting.* (Talk)
18. **Lamsdell JC.** 2014. Exceptional fossils, phylogenies, and macroevolutionary patterns in the Palaeozoic. *Yale University Department of Geology and Geophysics Seminar.* (Talk)
17. **Lamsdell JC, Selden PA.** 2014. Clade history, species ecology and external causal factors influence arthropod survival and recovery during Paleozoic mass extinctions. *International Palaeontological Congress 4.* (Talk)
16. **Lamsdell JC, Selden PA.** 2013. The phylogeny of ptychopariid trilobites and their derivatives, and the importance of ontogenetic data in analyses of trilobite relationships. *Palaeontological Association Annual General Meeting.* (Talk)
15. **Lamsdell JC, Stein M, Selden PA.** 2013. *Kodymirus* and the case for convergence of raptorial appendages in Cambrian arthropods. *Geological Society of America Annual Meeting.* (Talk)
14. **Lamsdell JC.** 2013. Babes in the wood – a unique window into sea scorpion ontogeny. *University of Kansas Department of Geology Colloquium.* (Talk)
13. **Lamsdell JC.** 2012. Golden goose or bad egg? Juvenile eurypterids from Cottonwood Canyon, Wyoming, and the influence of ontogeny on phylogeny. *Palaeontological Association Annual General Meeting.* (Talk)
12. **Lamsdell JC, Stein M, Oleson J, Selden PA.** 2012. Testing the Arachnomorpha and lamellipedian hypotheses. *Geological Society of America Annual Meeting.* (Talk)
11. **Lamsdell JC, Stein M, Oleson J, Selden PA.** 2012. Testing the Arachnomorpha and lamellipedian hypotheses: Whither the trilobites? *The 5th Conference on Trilobites and their relatives.* (Talk)
10. **Lamsdell JC, Stein M.** 2011. Differentiating arthropod segment articulation morphology and its bearing on a revised phylogeny of basal chelicerates. *Palaeontological Association Annual General Meeting.* (Talk)
9. **Lamsdell JC.** 2011. The eurypterid *Stoermeropterus conicus* from the lower Silurian Pentland Hills, Scotland, and sexual dimorphism in eurypterids. *Palaeontological Association Annual General Meeting.* (Poster)
8. **Marshall DJ, Lamsdell JC, Braddy SJ, Shpinev E.** 2011. A diverse chasmataspidid (Arthropoda: Chelicerata) fauna from the Early Devonian (Lochkovian) of Siberia. *Palaeontological Association Annual General Meeting.* (Poster)
7. **Lamsdell JC, Selden PA.** 2011. Fossil spiders from the Lower Cretaceous Crato Lagerstätte, Brazil. *35th Meeting of the American Arachnological Society.* (Poster)
6. **Lamsdell JC.** 2011. Ties that bind: segment articulations in arthropods and their implications for basal chelicerate phylogeny. *Geological Society of America Annual Meeting.* (Talk)
5. **Lamsdell JC.** 2010. Character acquisition and relationships of the basal Eurypterida. *International Palaeontological Congress 3.* (Talk)
4. **Lamsdell JC.** 2010. A new genus of eurypterid from the Lower Silurian Pentland Hills of Scotland and its implications for the phylogeny of basal Eurypterina. *Progressive Palaeontology Meeting.* (Talk)
3. **Lamsdell JC, Braddy SJ.** 2009. A new phylogeny for Stylonurina and gigantism and competitive replacement among the Eurypterida. *Palaeontological Association Annual General Meeting.* (Poster)

2. **Lamsdell JC.** 2009. Competing sweep-feeding strategies in stylonurid eurypterids. *Progressive Palaeontology Meeting.* (Poster)
1. **Lamsdell JC,** Braddy SJ, Tetlie OE. 2008. The Portishead eurypterid *Drepanopterus abonensis*: implications for stylonurid phylogeny. *Palaeontological Association Annual General Meeting.* (Poster)

Research Funding

Major Grants

- 2023 National Science Foundation Award EAR-2312211 (\$286,418)**
Collaborative Research: Paleozoic echinoderms as model systems for the study of evolutionary modes
(CoI with Sarah L. Sheffield, Jennifer E. Bauer, Adriane R. Lam: total award \$796,107)
- 2022 National Science Foundation Supplement to Award EAR-1943082 (\$40,715)**
- 2020 National Science Foundation CAREER Award EAR-1943082 (\$532,660)**
Exploring environmental drivers of morphological change through phylogenetic paleoecology
- 2015 Lerner-Gray Postdoctoral Research Fellowship for Marine Research (\$113,000)**
The impact of environment on survivorship during mass extinction and subsequent recovery as revealed by Paleozoic arthropods

Small Grants

- 2019 Paleontological Society Norman Newell Early Career Grant (\$5,000)**
Elucidating spatial variation in the structure and complexity of Lower Devonian marine paleocommunities from the Appalachian Basin
- 2019 West Virginia University Research and Scholarship Advancement Grant (\$14,720)**
Testing for geographic variation in Appalachian Basin fossil community structure prior to the Late Devonian mass extinction
- 2019 West Virginia University Faculty Travel Grant (\$700)**
An environmental driver for heterochronically mediated morphological change in aquatic chelicerate arthropods
- 2017 West Virginia University Faculty Travel Grant (\$700)**
Phylogeny and evolutionary history of lichid trilobites
- 2016 Palaeontological Association Sylvester-Bradley Award (£450)**
Breathing life into an extinct sea scorpion: revealing the gill structure of a three-dimensionally preserved eurypterid
- 2013 University of Kansas Department of Geology Raymond C. and Lillian B. Moore Scholarship (\$2,700)**
Disparity and diversity in eurypterids and trilobites across mass extinctions
- 2012 University of Kansas One-University Open Access Fund (\$2,035)**
Babes in the wood – a unique window into sea scorpion ontogeny
- 2012 Association for Women Geoscientists Sean S. Thomson Memorial Service Scholarship (\$500)**
Restudy of North American proetide trilobites
- 2012 University of Kansas Department of Geology Henbest Scholarship (\$2,000)**
Resolving the phylogeny of the Aulacopleuroidea
- 2012 The Field Museum in Chicago Visiting Scholarship (\$1,020)**
Description of new eurypterid specimens of Cottonwood Canyon, Wyoming and a revision of the *Strobilopterus-Syntomopterella* dolichopterid group

- 2011 University of Kansas Department of Geology Henbest Scholarship (\$1,500)**
The description of new fossil spiders from the Lower Cretaceous of Brazil/ Towards a phylogeny of mixopteroid eurypterids
- 2009 Palaeontographical Society Richard Owen Research Fund Award (£500)**
Redescription of eurypterids assigned to the genus *Drepanopterus* from the Silurian strata of the Pentland Hills
- 2007 Palaeontological Association Sylvester-Bradley Award (£400)**
Drepanopterus abonensis: implications for stylonurid eurypterid phylogeny

Teaching

Postdoctoral Scholars Mentored

2019–2020 Dr. Brendan Anderson

Graduate Students Trained and Mentored

2023–Present April Cerami, MS student
2023–Present Joseph Bingham, MS student
2022–Present Alexander (Alex) Bradley, PhD student
2022–Present Riley Sanford, MS student
2021–Present Alexander (Alex) Favaro, MS student
2021–Present BD Voss, MS student
2020–Present Samantha (Sam) Ocon, PhD student (MS student 2020–2022)
2018–2021 Namiko Machida, PhD student (withdrew)
2018–2020 Shadya El-Ashkar, MS student
2018–2020 Samuel (Sam) Tybout, MS student
2017–Present Emily Hughes, PhD student (MS student 2017–2019)
2017–2019 James Beech, MS student

Graduate Student Committee Service

2020–2023 Maya Bradford, MS student
2020 Sofia Andeskie, PhD student
2019–2022 Jill Riddell, PhD student
2019–2021 Sara Schreder-Gomes, MS student

Undergraduate Students Trained and Mentored

2022–Present Payton Deleva, WVU Undergraduate
2022–Present Lily Grace, WVU Undergraduate
2021–2023 Nicolette Rich, WVU Undergraduate
2019–2022 Kaylee Walty, WVU Undergraduate
2019–2020 Jacob George, WVU Undergraduate
2018–2019 Jessica Shulman, WVU Undergraduate
2016 Margaret Rubin, NSF Research Experience Undergraduate

Classes Taught at West Virginia University

GEOL 103 Earth Through Time
 GEOL 230 Fossils & Evolution
 GEOL 331 Paleontology
 GEOL 493J Graphic Design for Scientists (Undergraduate level)

GEOL 591A Arthropod Evolution
GEOL 591B Macroevolution
GEOL 632 Paleoecology
GEOL 693C Graphic Design for Scientists (Graduate level)
GEOL 699 Geology Colloquium

Additional Teaching Experience

2014 Instructor, Paleontology, University of Kansas
2014 Instructor, Paleontology Laboratory, University of Kansas
2013 Temporary lecturer, Prehistoric Life: DNA to Dinosaurs, University of Kansas
2013 Temporary lecturer, Paleontology, University of Kansas
2011 Guest lecturer, Biology of Spiders, University of Kansas

Teaching Courses Attended

2016 AWIS Workshop: The importance of mentoring
2014 LA&S 792: Being an effective college teacher

Services

Societies

2020–2022 GSA Joint Technical Program Committee for the Paleontological Society
2019–2021 External Awards Committee Member of Geological Society of America
2017–Present Associate Editor for *Journal of Paleontology*
2012–2016 English Language Proofreader for *Acta Zoologica Cracoviensia*

Committees

2019–Present West Virginia University Geology Graduate Program Director
2018–Present West Virginia University Geology Program Social Media Coordinator
2018–Present Sigma Gamma Epsilon, Upsilon Chapter Faculty Advisor
2018–2019 West Virginia University Department of Geology and Geography Faculty Evaluation Committee
2017–Present West Virginia University Geology Graduate Program Committee
2017–2018 West Virginia University Geology Colloquium Organizer
2017–2018 West Virginia University Geology Graduate Student Research Award Selection Committee

Miscellaneous Services

2013–Present Co-founder and presenter of Palaeo After Dark, a bi-weekly podcast discussing palaeontological concepts and theories

Journal News and Views Coverage

2020 For Lamsdell *et al.* (2020) in *Current Biology*; Dunlop, JA. Evolution: A breath of fresh air for eurypterids. *Current Biology*.
2016 For McCoy *et al.* (2016) in *Nature*; Kuratani S, Hirasawa T. Palaeontology: Getting the measure of a monster. *Nature*.

Press Coverage

2023 ‘*Enigmatic eurypterids*’, covering my research visit to the National Museum of Scotland invertebrate palaeontology collections; *National Museum of Scotland Newsletter*

- 2022** For Lamsdell et al. (2022) in *Geological Magazine*; *Science News*.
- 2022** For having a species of eurypterid, *Hibbertopterus lamsdelli*, named in my honour; *Albuquerque Journal*, *WVU ENews*, *Los Alamos Daily Post*; *iHeart*, *KRQE News*.
- 2020** For Lamsdell et al. (2020) in *Current Biology*; *Science News*, *SYFY Wire*, *Heritage Daily*, *Science Daily*, *Imaging Technology News*, *Newswise*, *Technology Times Pakistan*, *Sciences et Avenir*, *WBOY*, *WVNews*, *WVUToday*, *Phys.Org*.
- 2020** For receiving the National Science Foundation CAREER grant; *Newswise*, *WVNews*, *WVUToday*.
- 2020** For McCoy et al. (2020) in *Geobiology*; *Nature* research highlights, *New Scientist*, *LiveScience*, *Phys.Org*.
- 2016** Resolving the affinities of *Tullimonstrum gregarium* in McCoy et al. (2016) named in the top 100 scientific discoveries of 2016 in *Discovery Magazine* and among the Forbes top 10 fossil discoveries of 2016, as well as one of the Altmetric top 100 articles of 2016.
- 2016** For McCoy et al. (2016) in *Nature*; *BBC News*, *Reuters*, *The Washington Post*, *LiveScience*, *National Geographic*, *The Independent*, *The Chicago Tribune*, *The Atlantic*, *CBS News*, *Forbes*, *The Daily Mail*, *ABC Online*, *The Slough and Windsor Observer*, *CNET*, *Smithsonian.com*, *The New York Times*, *Science News*, *The New Haven Register*, *RedOrbit*, *Science 2.0 blog*, *Ars Technica*, *Gizmodo*, *USA Today*, *Discovery News*, *Motherboard Vice*, *Australia Network News*, *Toronto Sun*, *IFLS*, numerous other blogs and online news sources.
- 2015** For Lamsdell (2016) in *Palaeontology*; Palaeocast podcast article.
- 2015** *Pentecopterus* from Lamsdell et al. (2015) named among the Forbes top 10 fossil discoveries of 2015.
- 2015** For Lamsdell et al. (2015) in *BMC Evolutionary Biology*; *BBC5 Live* (live interview), *BBC Radio 4* (recorded interview), *BBC Today Program* (recorded interview), *Naked Scientists* podcast (recorded interview), *The Guardian*, *From Quarks to Quasars* (recorded interview), *National Geographic: Strange Truths* (recorded television segment), *Discovery*, *LA Times*, *Huffington Post*, *European Geophysicists Union blog*, *Motherboard Vice*, *Reuters*, *RedOrbit*, *The Daily Mail*, *Sydney Morning Herald*, *LiveScience*, *IFLS*, numerous other blogs and online news sources.
- 2009** For Lamsdell & Braddy (2010) in *Biology Letters*; *CBC Canada* (recorded interview), *The Daily Mail*, *The Sun*, *The Times*, *Greg Laden's science blog*, numerous other blogs and online news sources.

Outreach Activities

- 2022** Paleontological Research Institute, *Silurian Journey*: advisor for a book published by the Paleontological Research Institute focusing on Silurian fossils and paleontology. Had a featured profile in the book focusing on my research.
- 2022** Kanawha County 4-H, WVU Extension: gave a talk on careers in paleontology for 4-H extension summer camp.
- 2022** Backpackers Guide to Prehistory Podcast: guest expert of an episode focusing on the Silurian.
- 2021** Advised the Royal Ontario Museum on the design of a model of the eurypterid *Acutiramus* for the new Dawn of Life exhibit.
- 2019** Eureka Sounds of Science Podcast: recorded a podcast episode called "Nature's First Historian", focusing on horseshoe crab evolution and their ecology over geological time

- 2017** Blink Media: travelled to Delaware Bay to record segment on horseshoe crabs and their similarities to eurypterids for a program on ancient predators
- 2017** Livescience: spoke to reporter about large modern and fossil arthropods for piece on the largest animals of their kind
- 2016** National Geographic: Strange Truths, recorded interview and scientific advisor for television documentary segment on oldest recorded eurypterid
- 2015** Recorded interview for podcast episode on eurypterids, Palaeocast podcast
- 2015** Meet the Scientist, Yale Peabody Museum
- 2014** Aqua Kids ‘Horseshoe crabs’ episode, recorded television segment at Yale Peabody Museum
- 2013** Fossil Discovery and Identification, 53rd Annual Kansas City Gem and Mineral Show
- 2013** Rocks and Minerals invigilator and examiner, Northeast Kansas Regional Science Olympiad
- 2012** Recorded interview on conference proceedings, Palaeocast podcast, Paleontological Association annual general meeting
- 2012** National Fossil Day, University of Kansas Natural History Museum
- 2012** Fossil Discovery and Identification, 52nd Annual Kansas City Gem and Mineral Show
- 2012** Rocks and Minerals invigilator and examiner, Northeast Kansas Regional Science Olympiad
- 2011** National Fossil Day, University of Kansas Natural History Museum

Society Membership

- 2010–Present** Paleontological Society
- 2010–Present** Association for Women Geoscientists
- 2006–Present** Palaeontological Association
- 2010–Present** Geological Society of America
- 2013–2015** Systematics Association
- 2009–2012** Palaeontographical Society

Referee Services

Acta Palaeontologica Polonica; Alcheringa (3); Arthropod Structure & Development (2); Bulletin of Geosciences (3); Bulletin of the Peabody Museum of Natural History (2); Comptes rendus Palevol (2); Contributions from the Michigan Museum of Paleontology (1); Development Genes and Evolution (2); Frontiers in Earth Science (1); Frontiers in Ecology & Evolution (2); Geologica Carpathia; Geological Journal (2); Geological Magazine (3); Geology; Global Ecology and Biogeography; Gondwana Research; GSA Bulletin; Historical Biology (4); iScience; Journal of Paleontology (4); Journal of Systematic Palaeontology (2); Lethaia (4); Nature Communications (5); Nature Ecology and Evolution; Netherlands Journal of Geosciences; Neues Jahrbuch für Geologie und Paläontologie; Palaeontologia Electronica (2); Palaeogeography, Palaeoclimatology, Palaeoecology (3); Palaeontology (4); Palaios (4); Paläontologische Zeitschrift (3); Paleobiology (3); PeerJ (2); PLOS One (4); Proceedings of the Yorkshire Geological Society (3); Science Bulletin; Scientific Reports (5); Transactions of the Royal Society of Edinburgh; University of Michigan Papers on Paleontology (2); Yale Peabody Museum Bulletin (2); Zootaxa.

Grant Review Services

NASA Exobiology (panel member), National Science Foundation (panel member, ad hoc reviewer).

Symposium Organisation

- 2022** Co-chair and organiser, ‘Exploring the Mechanisms of Morphologic Change’ GSA topical session, with Sarah Sheffield, Adriane Lam, and Jennifer Bauer.
- 2021** Co-chair and organiser, ‘New Insights on Arthropod Paleobiology’ GSA topical session, with Matthew Witte, Rhiannon LaVine, and Julien Kimmig.
- 2021** Co-chair and organiser, ‘Phylogenetic Paleobiology: Combining Evolutionary Trees and Fossils to Understand the Evolution of Life’ GSA topical session, with William Gearty and Curtis Congreve.
- 2019** Co-chair and organiser, ‘Phylogenetic Paleobiology: good things come in trees’ GSA topical session, with Erik Sperling, Sandra Carlson, David Bapst, Selina Cole, William Gearty, April Wright, Peter Wagner, David Wright, and Curtis Congreve.
- 2018** Co-chair and organiser, ‘Phylogenetic Paleoecology; Macroecology within an Evolutionary Framework’ GSA topical session, with Curtis Congreve
- 2017** Co-chair, ‘Paleontology, Phylogenetic/Morphological Patterns: Invertebrates’ GSA topical session, with Melanie Hopkins
- 2014** Co-chair and organiser, ‘Unearthing the History of Life: The Application of Phylogenetic Methods to the Fossil Record’ GSA topical session, with Curtis Congreve
- 2014** Co-chair and organiser, ‘Fossil arthropods as living organisms: morphology, palaeoecology, development and evolution’ IPC4 symposium, with Allison Daley

Journal Special Issues

- 2019–2021** Co-organiser and editor, ‘Phylogenetic Paleoecology: Combining Macroevolution and Macroecology in Deep Time’ *Paleobiology*, with Curtis Congreve

Student Representative and Mentor

- 2010–2014** Graduate student mentor for undergraduate students at the University of Kansas
- 2006–2007** Undergraduate representative at the University of Birmingham

Voluntary Work

- 2002** Volunteer Assistant Arthropod Curator, Natural History Museum, London
- 2002** Volunteer Assistant Curator, Isle of Wight Dinosaur Museum
- 2001** Volunteer Assistant Invertebrate Curator, Natural History Museum, London

Computer Skills

Phylogenetic Software and Databases

TNT (Tree Analysis Using New Technology), PAUP*, Mesquite, MrBayes, GARLI, MATRIX, RARE, GINGKO, MacClade, MorphoBank

Statistical Packages

Minitab, R, PAST

Publishing Software

Microsoft Office (Excel, Word and Powerpoint), Adobe Illustrator and Photoshop

Museum Collections Studied

- 2023** National Museum of Scotland, Edinburgh, UK. Invertebrate Palaeontology
- 2023** Royal Ontario Museum, Toronto, Canada. Invertebrate Paleontology
- 2023** Yale Peabody Museum, New Haven, CT, USA. Invertebrate Paleontology
- 2016** American Museum of Natural History, New York, NY, USA. Invertebrate Paleontology
- 2015** Yale Peabody Museum, New Haven, CT, USA. Invertebrate Zoology
- 2015** Yale Peabody Museum, New Haven, CT, USA. Invertebrate Paleontology
- 2014** University of Kansas Natural History Museum, Lawrence, KS, USA. Invertebrate Paleontology
- 2013** Field Museum of Natural History, Chicago, USA. Invertebrate Paleontology
- 2012** District Museum of Dr. B. Horák, Rokycany, Czech Republic. Invertebrate Paleontology
- 2012** Natural History Museum, London, UK. Invertebrate Palaeontology
- 2011** University of Kansas Natural History Museum, Lawrence, KS, USA. Invertebrate Paleontology
- 2010** Natural History Museum, London, UK. Invertebrate Palaeontology
- 2009** Naturhistorisches Museum Mainz, Mainz, Germany. Invertebrate Palaeontology
- 2009** Naturmuseum Senckenberg, Frankfurt, Germany. Invertebrate Palaeontology
- 2009** National Museum of Scotland, Edinburgh, UK. Invertebrate Palaeontology
- 2008** University of Manchester Geological Museum, Manchester, UK. Invertebrate Palaeontology
- 2008** British Geological Survey, Nottingham, UK. Invertebrate Palaeontology
- 2008** Bristol Museum and Art Gallery, Bristol, UK. Invertebrate Palaeontology

Fieldwork

- 2019** Helderberg Group, Moorhead, West Virginia, USA. Devonian, Lochkovian
- 2018** Helderberg Group, Altoona, Pennsylvania, USA. Devonian, Lochkovian
- 2018** Bloomsburg Formation, Bellwood, Pennsylvania, USA. Silurian, Pridoli
- 2018** Needmore Shale, Needmore, West Virginia, USA. Devonian, Givetian
- 2018** Helderberg Group, Lahmansville, West Virginia, USA. Devonian, Lochkovian
- 2017** New Albany Shale, Berea, Kentucky, USA. Devonian, Frasnian
- 2017** Boyle Dolomite, Berea, Kentucky, USA. Devonian, Givetian
- 2016** Woodhill Bay, Portishead, United Kingdom. Devonian, Famennian
- 2013** Lawrence Formation, Douglas County, Kansas, USA. Carboniferous, Pennsylvanian
- 2012** Lawrence Formation, Douglas County, Kansas, USA. Carboniferous, Pennsylvanian
- 2009** Nellenköpfchen Beds, Alken an Der Mosel, Germany. Devonian, Emsian
- 2008** Woodhill Bay, Portishead, United Kingdom. Devonian, Famennian
- 2007** Portland Stone, Isle of Portland, United Kingdom. Jurassic, Portlandian