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**EDUCATION**

1995 Ph.D., University of Chicago, Department of Geophysical Sciences  
1989 M.S., University of Montana, Geoscience Department  
1985 B.S., Northern Arizona University, Department of Geology

**ACADEMIC POSITIONS AND AFFILIATIONS**

9/1997-present Assistant/Associate/Professor/DeWitt Wallace Professor, Chair (2002-2011, 2016-2022, 15 yrs total), Geology Department, Macalester College, St. Paul, MN  
9/2016-present Research Associate, Department of Earth Sciences, Denver Museum of Nature and Science, Denver, CO  
5/2006-present Adjunct Professor and Advising Member of the Graduate College, Department of Geology and Geophysics, University of Minnesota, Minneapolis, MN  
1/2001-present Research Associate, Department of Geology, Field Museum of Natural History, Chicago, IL  
4/2001-9/2005 Member Taphonomy Working Group, Paleobiology Database, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, CA  
9/1995-8/1997 Assistant Professor, Department of Geology, Cornell College, Mt. Vernon, IA

**PUBLISHED PEER-REVIEWED ARTICLES AND CHAPTERS (ALL ARE PUBLISHED unless marked IN PRESS)**

(\*red denotes student author - past or present advisee)

Rogers, R.R., A.K. Behrensmeyer, and E.M. Roberts\*, IN PRESS. On the Taphonomy of the Dinosauria. Pp. xx-xx in D. Weishampel, P. Barrett, M. Carrano, and P. Makovicky (eds.), *The Dinosauria*, 3<sup>rd</sup> Edition. Cambridge University Press.

Rogers, R.R., D.A. Eberth, and J. Ramezani, 2023. The "Judith River-Belly River problem" revisited (Montana-Alberta-Saskatchewan): New perspectives on the correlation of Campanian dinosaur bearing strata based on a revised stratigraphic model updated with CA-ID-TIMS U-Pb geochronology. The Geological Society of America Bulletin. <https://doi.org/10.1130/B36999.1>

Regan, A.K.\*, R.R. Rogers, and S.M. Holland. 2022. Quantifying controls on the occurrence of nonmarine fossils. *Geology* 50:1287–1290, <https://doi.org/10.1130/G50254.1>

Ramezani, J., T.L. Beveridge, R.R. Rogers, D.A. Eberth, and E.M. Roberts\*. 2022. Calibrating the zenith of dinosaur diversity in the Campanian of the Western Interior Basin by CA-ID-TIMS U-Pb geochronology. *Scientific Reports* 12:16026.

Krause, D.W., P.M. O'Connor, J.W. Sertich, K. Curry Rogers, R.R. Rogers, and B. Rakotozafy. 2022. Late Cretaceous Vertebrates of Madagascar: A window into Gondwanan biogeography. Pp. 59-68. in S.M. Goodwin (ed.), *The New Natural History of Madagascar*, Princeton University Press.

Taylor, P.D., and R.R. Rogers. 2021. A new cheilostome bryozoan from a dinosaur site in the Upper Cretaceous (Campanian) Judith River Formation of Montana. *Journal of Paleontology* 95:965-973.

Krause, D.W., J.R. Groenke, S. Hoffman, R.R. Rogers, and L.J. Rahantarisoa. 2020. Introduction to *Adaltherium hui* (Gondwanatheria, Mammalia) from the Late Cretaceous of Madagascar. *Journal of Vertebrate Paleontology* 40, supplement to no. 2, Memoir 21:4-18.

O'Connor, P.M., A.H. Turner, J.R. Groenke, R.N. Felice, R.R. Rogers, D.W. Krause, and L.J. Rahantarisoa. 2020. Late Cretaceous bird from Madagascar reveals unique development of beaks. *NATURE* 588: 272-276.

- Rogers, R.R., A.K. Regan\*, L.N. Weaver\*, J.T. Thole, H.C. Fricke. 2020. Tracking authigenic mineral cements in fossil bones from the Upper Cretaceous (Campanian) Two Medicine and Judith River formations of Montana. *PALAIOS* 35:135-150.
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- Krause, D.W., J.W. Sertich, P.M. O'Connor, K.A. Curry Rogers, and R.R. Rogers. 2019. The Mesozoic biogeographic history of Gondwanan terrestrial vertebrates: Insights from Madagascar's fossil record. *Annual Reviews of Earth and Planetary Sciences* 47:519-553.
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- Rogers, R.R. 1994. Nature and origin of through-going discontinuities in nonmarine foreland basin deposits, Upper Cretaceous, Montana: Implications for sequence analysis. *GEOLOGY* 22:1119-1122.
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#### ARTICLES IN PREPARATION

- Rogers, R.R., J.R. Horner, J. Ramezani, E.M. Roberts\*, and D.J. Varricchio. **IN PREP.** Upper Cretaceous (Campanian) Two Medicine Formation of northwestern Montana: Lithostratigraphic updates, CA-ID-TIMS U-Pb geochronology, and a calibrated framework of dinosaur occurrences. Planned submission to *Geological Society of America Bulletin*
- L.N. Weaver\*, R.R. Rogers, J.T. Thole. **IN PREP.** Authigenic mineral cements in fossil bones spanning the K-Pg boundary (Hell Creek vs. Tullock), eastern Montana. Planned submission to *PALAIOS*
- Rogers, R.R., E.M. Roberts\*, and A.S. Collins. **IN PREP.** Provenance of Upper Cretaceous strata in the Mahajanga Basin, Madagascar, based on detrital zircon U-Pb age populations. Planned submission to *Gondwana Research*.

#### BONEBEDS BOOK PROJECT: University of Chicago Press

Rogers, R.R., D.A. Eberth, and A.R. Fiorillo (editors). 2007. *Bonebeds: Genesis, Analysis, and Paleobiological Significance*. University of Chicago Press. Chicago.

My contributions include:

- Preface
- Rogers, R.R., and S.M. Kidwell. Chapter 1: A conceptual framework for the genesis and analysis of vertebrate skeletal concentrations. (pages 1-63)
- Eberth, D.A., R.R. Rogers, A.R. Fiorillo. Chapter 5: A practical approach to the study of bonebeds. (pages 265-332)

### FIELD GUIDES, ENCYCLOPEDIA ENTRIES, POPULAR ARTICLES (n=11)

- Rogers, R.R., 2019. Foundations in Paleocology, Commentary for Chapter 39. University of Chicago Press.
- Rogers, R.R., and D.W. Krause. 2014. A 70-million-year-old murder mystery. *Scientific American Special Edition*, 23:62–69. (reworked version of 2007 article)
- Rogers, R.R., and D.W. Krause. 2007. Tracking an Ancient Killer. *Scientific American* 296(2), reprinted as “Saurier-Massengrab auf Madagaskar” in *Spektrum der Wissenschaft* 8:24–31
- Rogers, R.R., and D.W. Krause. 2007. Tracking an Ancient Killer. *SCIENTIFIC AMERICAN* 296 (feature article in February 2007 issue):42-51.
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### BOOK REVIEWS (n=4)

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### ABSTRACTS LINKED TO PROFESSIONAL CONFERENCES (n=118)

(\*red denotes student author - past or present advisee)

- Rogers, R.R., K.A. Curry Rogers, A.K. Behrensmeyer, and E.M. Roberts. 2023. A sedimentological perspective on the taphonomy of large dinosaurs. 36<sup>th</sup> IAS (Dubrovnik) Abstracts Book, p. 194.
- Mendez-Curbelo, I.\*, K. Nicolayevsky\*, M. Luft\*, R. Flowers\*, L. Zugschwert\*, K. Curry Rogers, and R. Rogers. 2022. Tracking palenvironmental associations in vertebrate microfossil bonebeds in the Upper Cretaceous (Campanian) Judith River Formation, Montana. Abstracts with Programs - Geological Society of America, 54(4), [https://doi: 10.1130/abs/2022AM-379052](https://doi.org/10.1130/abs/2022AM-379052).
- Noonan, B.\*, P. Lewis\*, B. Gomez\*, S. Esquenet\*, A. Jester\*, L. Rogers\*, K. Curry Rogers and R. Rogers. 2022. Tiny Modification features on fossil bones from vertebrate microfossil bonebeds in the Upper Cretaceous (Campanian) Judith River Formation, Montana. Abstracts with Programs - Geological Society of America, 54(4), [https://doi: 10.1130/abs/2022AM-379036](https://doi.org/10.1130/abs/2022AM-379036).



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- Curry Rogers, K., and R.R. Rogers. 2022. Life history and paleobiology of the Late Cretaceous titanosaur *Rapetosaurus krausei* (Maevarano Formation, Madagascar). The 6<sup>th</sup> International Palaeontological Congress, Khon Kaen, Thailand, Abstract Volume.
- Rogers, R.R., and K. Curry Rogers. 2022. Vertebrate microfossil bonebeds: Three decades of taphonomic exploration yields key insights and new questions. The 6<sup>th</sup> International Palaeontological Congress, Khon Kaen, Thailand, Abstract Volume.
- J.M. Downey, G. Pizzini, B. Cho, T.R. Lyson, S.G. Chester, R. Rogers, C. Badgley, L.N. Weaver\*. 2022. Taphonomy of mountain-proximal vertebrate microfossil bonebeds from the Early Paleocene Denver Formation of the Denver Basin (El Paso County, Colorado). Society of Vertebrate Paleontology Annual Meeting Abstracts, p. 128.
- Johanson, A.\*, R. Rogers, and J. Ramezani. 2021. Tracking the terrestrial “80 Ma sequence boundary” in the surface and subsurface of northwestern Montana (Two Medicine Formation) and southern Alberta (Belly River Group). Geological Society of America Abstracts with Programs. Vol. 53, No. 6, <https://doi.org/10.1130/abs/2021AM-368893>.
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- Reves-Sohn, S.M.\*, J.A. Baldus\*, and R.R. Rogers. 2019. Recognition of parasequences in the Woodhawk Member of the Upper Cretaceous (Campanian) Judith River Formation, Montana. Geological Society of America Annual Meeting, Paper no. 281-5.
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## INVITED LECTURES

- 2023: Invited Speaker, Minnesota Geological Society
- 2023: Invited Speaker, Rotary Club of Edina, Why are Dinosaurs Rare in Minnesota
- 2022: Invited Speaker, Science Museum of Minnesota, Dino Fest, Expert Lecture
- 2021: Invited Speaker, Rotary Club of Edina, Amazing Fossils of Madagascar Lecture (invited back 2023)
- 2021: Invited Speaker, Science Museum of Minnesota, Ultimate Dinosaurs Exhibition, Expert Lecture
- 2021: Invited Speaker, Carleton University (Ottawa), Dept. Earth Science, Dinosaur Taphonomy Lecture
- 2020: Invited Speaker, J. Kruschnitt Lecture Series, James Cook University, Australia [COVID-19 cancel]
- 2019: Invited Speaker, Great Plains Dinosaur Museum, Judith River Formation Symposium
- 2019: Invited Speaker, Minnesota Herpetological Society, Monthly Colloquium
- 2019: Invited Speaker, Science Museum of Minnesota, Dino Fest
2018. Invited Speaker, Palaeobiodiversity and Evolutionary History of Vertebrates in Africa, 5<sup>th</sup> International Palaeontological Congress, Paris



2018. Invited Speaker, Minnesota Geological Society  
2017. Invited Speaker, University of Georgia, Geology Department Weekly Colloquium  
2017. Invited Speaker, Denver Museum of Nature and Science, Museum Colloquium  
2016. Invited Speaker, University of Washington, PaleoLunch Speaker Series  
2016. Invited Speaker, Geological Society of America, High-Precision Geochronological Constraints on the Geologic History of Dinosaur Evolution, Annual Meeting, Denver  
2016. Invited Keynote Speaker, Palaeontological Society of Southern Africa, 19<sup>th</sup> Biennial Meeting, Stellenbosch University, South Africa  
2015. Invited Speaker, University of Mauritius (Réduit, Mauritius)  
2015. Invited Speaker, University of Colorado (Boulder), Department of Geological Sciences  
2014. Invited Speaker, Symposium of Vertebrate Taphonomy, 4<sup>th</sup> International Palaeontological Congress, Mendoza, Argentina  
2013. Invited Participant, Cretaceous-Paleocene Food Web Workshop, University of California Museum of Paleontology, Berkeley  
2011. Invited Speaker/Convener, Symposium of Vertebrate Taphonomy, IV Latin American Congress of Vertebrate Paleontology, San Juan, Argentina  
2010. Invited Speaker, Virginia Tech, Department of Geosciences  
2009. Invited Speaker, University of Michigan, Department of Geological Sciences  
2008. Invited Speaker, Minnesota Geological Society  
2008. Invited Speaker, Eastern Tennessee State University, Department of Biology  
2007. Invited Speaker, Michigan State University, Department of Geological Sciences  
2006. Invited Speaker, Royal Tyrrell Museum, Alberta, Heaton Lecture Series  
2006. Invited Speaker, California State University, Fresno, Department of Geology Seminar Series  
2005. Invited Speaker, University of Utah, Geology Department Seminar Series  
2005. Invited Speaker, University of Minnesota, Department of Geology and Geophysics Seminar Series  
2005. Invited Speaker, Minnesota Geological Survey, Visiting Lecturer Series  
2005. Invited Speaker, McGill University, Geology Department Seminar Series  
2004. Invited Speaker, University of Wyoming, Geology Department Seminar Series  
2004. Invited Speaker, University of Minnesota – Duluth, Geology Department Seminar Series  
2004. Invited Speaker, Norwich University, Geology Department Seminar Series  
2002. Invited Speaker, Linda Hall Library of Science, Linda Hall Lecture Series  
2001. Invited Speaker, Minnesota Geological Society  
2001. Invited Speaker, Geological Society of America, Topical Session at the National Meeting (Boston), Stratigraphic Paleobiology  
2000. Invited Speaker, Minnesota Geological Society  
1998. Invited Keynote Speaker, Annual Pew Research Symposium, Washington University  
1997. Invited Speaker, State University of New York, Stony Brook, Department of Anatomy Lecture Series  
1996. Invited Speaker, University of Nebraska, Geology Lecture Series  
1996. Invited Speaker, University of Iowa, Geology Lecture Series  
1996. Invited Speaker, Geological Society of America, Symposium of the Rocky Mountain Section, Perspectives on the Cretaceous Western Interior Basin  
1996. Invited Speaker, Geological Society of America, Symposium of the North-Central Section, Mesozoic Paleoenvironments of North America  
1996. Invited Discussant, Field Museum of Natural History, Spring Systematics Symposium, "The Andes"  
1995. Invited Speaker, Geological Society of America, Symposium of the Rocky Mountain Section, Late Cretaceous-Early Paleogene Paleofaunas and Paleoenvironments of the Northern Rocky Mountains  
1994. Invited Speaker, Montana Geological Society, Billings, Montana

1994. Invited Speaker, Evolutionary Morphology Lecture Series, University of Chicago
1993. Invited Speaker/Author. "Taphonomic Approaches to Time Resolution in Fossil Assemblages", a short course of the Paleontological Society, Geological Society of America Meeting, Boston
1991. Invited Speaker, Cretaceous Nonmarine Paleogeography and Paleobiology of Laurasia, Geological Association of Canada, Toronto

## **AWARDS AND EXTERNAL GRANTS**

2022. Keck Consortium Gateway Project, Exploring Late Cretaceous wetland ecosystems Part 2: Dinosaurs and vertebrate microfossils in Montana
- 2022-2026. Enriching the Paleontology Experience at Macalester College. David B. Jones Foundation
- 2018-2019. Keck Consortium Gateway Project, Exploring Late Cretaceous wetland ecosystems: Dinosaurs and vertebrate microfossils in Montana
- 2017-2020. Building a Sustainable Program in Paleontology at Macalester College. David B. Jones Foundation
- 2015-2018. Research Grant, National Science Foundation (EAR 1528273), Cretaceous Vertebrates from Madagascar: A Window into the Biogeographic and Plate Tectonic History of Gondwana
- 2015-2016. Research Grant, Bureau of Land Management, Documentation of Paleontology Resources in Central Montana. This grant funds continuing research in the Upper Missouri River Breaks National Monument
2013. Research Grant, Bureau of Land Management – NLCS supplement to existing cost-share grant. This grant funds continuing research in the Upper Missouri River Breaks National Monument
2012. Jack and Marty Rossmann Excellence in Teaching Award, Macalester College
- 2011-2017. Research Grant, National Science Foundation (EAR 1052673) RUI: Deciphering the origins of vertebrate microfossil bonebeds: A comparative taphonomic and paleoecological approach in the Late Cretaceous of Montana
- 2011-2014. Research Grant, National Science Foundation (EAR 1123642), Cretaceous Vertebrates from Madagascar: A Window into the Biogeographic and Plate Tectonic History of Gondwana
2009. Equipment Grant, National Science Foundation, variable pressure scanning electron microscope for Science Division (Keck Lab)
- 2009-2013. Research Grant, Bureau of Land Management – This grant funds research in the Upper Missouri River Breaks National Monument
2005. Equipment Grant, National Science Foundation (EAR 0520870), X-Ray diffractometer (XRD) for the Science Division (Keck Lab)
- 2005-2010. Research Grant, National Science Foundation (EAR-0446488), "Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography"
- 2003-2006. Research Grant, National Science Foundation (EAR-0319041), Collaborative/RUI Research: Stable Isotope Reconstruction of North American Terrestrial Environments During the Late Cretaceous
- 2001-2004. Research Grant, National Science Foundation (EAR-106477), "Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography"
1998. Research Grant, National Geographic Society, "Paleontology and Geology of the Limpopo Valley, Zimbabwe: Exploring Early Dinosaur Evolution in Southern Africa"
1998. Research Experiences for Undergraduates Supplement, National Science Foundation, "Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography"
- 1997-2001. Research Grant, National Science Foundation (EAR-9706302), "Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography"
1993. Romer Prize, best student paper, Society of Vertebrate Paleontology, Albuquerque

1991. Outstanding Mention, Geological Society of America student award for grant proposal

### ROGERS LAB MEMBERS (CURRENT STUDENTS AND ALUMS)

SENIOR HONORS THESES (n=40 as primary advisor, 75% grad school, 50% PhD, 25% T/TT professors)

2023 – Kari Myhron: *Taphonomy of the Bug Creek Anthills locality, Upper Cretaceous (Maastrichtian) Hell Creek Formation, Montana.*

2023 – Shaherazade Khan: *Using Ginkgo biloba to test the Franks method of estimating CO<sub>2</sub> in deep time.*

2022 – Alexander Johanson: *Subsurface tracking of a nonmarine sequence boundary in the Upper Cretaceous (Campanian) Two Medicine Formation of Montana.* Environmental Consultant, Seattle.

2022 – Logan McCutcheon: *Taphonomy of phosphatized bryozoans in the Decorah Shale, Minnesota. In progress.* MS student, South Dakota School of Mines.

2021 – Chloe Kahn: *Modification features on vertebrate fossils preserved in vertebrate microfossil bonebeds of the Cretaceous Hell Creek Formation, Montana.* MS candidate, Rhode Island School of Design (landscape architecture).

2020 – Sintra Reves-Sohn: *Recognition of parasequences in the Woodhawk Member of the Upper Cretaceous (Campanian) Judith River Formation, Montana.* MS student, U. Mass Amherst.

2019 – Max Deckman: *Stratigraphy, sedimentary petrology, and depositional environment of the Chugwater Group, near Dubois, Wyoming.* MS (2022), University of Georgia.

2018 – Rachel Surprenant: *Taphonomy of a vertebrate microfossil bonebed in the Upper Cretaceous Two Medicine Formation, Montana.* MS (completed), PhD candidate, University of California, Riverside.

2017 – Ted Toegel: *Characterization of phosphorite nodules in the Phosphoria Formation, SE Idaho,* presently a Field Geologist, Bay West LLC.

2017 – Sierra Swenson: *Taphonomy of Late Cretaceous (Campanian) coprolites of the Two Medicine Formation of northwestern Montana.* MS (2019), University of Georgia, Research Geologist, Exxon, currently collections manager, Denver Museum of Nature and Science.

2017 – Anik Regan: *Comparative taphonomy of molluscan death assemblages from the Gulf of Mexico.* MS, University of Georgia (2021), presently Geology Lab Manager, University of St. Thomas.

2016 – Patrick Sullivan: *Feeding traces in vertebrate microfossil bonebeds from the Upper Cretaceous Judith River Formation, Montana.* MS, Colorado School of Mines, presently PhD candidate at same institution.

2016 – Evan Kartheiser: *Comparative sedimentology in the Upper Cretaceous (Campanian) Judith River Formation, north-central Montana: A transect from the terrestrial to the shallow marine realm.* Landscape and Portrait Photographer (<http://evankartheiser.com>).

2016 – Cedric Hagen: *Geological context and paleoenvironment of the Lotosaurus adentus (Archosauria:Poposauroidae) bonebed, Middle Triassic Badong Formation, China.* PhD, Oregon State University, presently a post-doc at Princeton University.

2015 – Bolton Howes: *Characterization of a regionally significant terrestrial bounding surface in the Upper Cretaceous Two Medicine Formation, Montana,* 28 p. MS University of Georgia, PhD, Princeton University, currently a post-doc at Princeton University.

2015 – Benjamin Faulkner: *Nonmarine turtles from the Upper Cretaceous (Campanian) Judith River Formation of North-Central Montana: Taxonomy and Paleoecology,* 29 p., Public Programs Presenter, California Academy of Sciences, presently a PhD candidate, University of California, Davis.

- 2012 – Madeline Marshall: *Exceptional Record of Lungfish Burrows from the Upper Cretaceous Maevarano Formation, Mahajanga Basin, Northwestern Madagascar*, 70 p. PhD, University of Chicago, Assistant Professor (TT), Albion College.
- 2012 – Jansen Smith: Confamilial predation on naticid gastropods through a pulsed extinction in the Plio-Pleistocene of the Carolinas, 155 p. PhD, Cornell University, Postdoctoral Researcher at Friedrich Alexander University of Erlangen-Nuremberg, Assistant Professor (TT), University of Minnesota - Duluth.
- 2011 – Deirdre Ratigan: Using experimental taphonomy to replicate bone alteration in the Judith River Formation (Upper Cretaceous, Montana), 83 p. MS, University of Wyoming, licensed pilot flying commercial helicopters and fixed-wing planes.
- 2010 – Madeline Mette: *Stable carbon isotope stratigraphy and magnetic susceptibility of the Upper Ordovician Daravgai and Gashuunovoo Formations, Gobi-Altai Terrane, Shine Jinst area, Southern Mongolia*, 50 p. PhD (2017), Iowa State University, Research Scientist, USGS.
- 2010 – Jeffrey Dobbins: *A geochemical analysis of the volcanic ash bed deposit at Ashfall Fossil Beds, Nebraska*, 41 p. MS, New Mexico Institute of Mining and Technology, Environmental Consultant.
- 2010 – Anne Brown: *Mapping the Mahajanga Basin: using GIS to explore spatial relationships in Madagascar's geology and paleontology*, 219 p. (shared advising with Holly Barcus, Geography), PhD, University of California Los Angeles, presently Assistant Professor (TT) at the University of Oregon.
- 2009 – Rachel Murray: *Characterizing environments of fossilization in the Two Medicine and Judith River Formations, Upper Cretaceous, Montana*, 46 p. MS, University of Arizona, PhD (2018), Southern Cross University (Australia).
- 2009 – Ken Nelson: *Clay and framework mineralogy of the Upper Cretaceous (Campanian) Judith River Formation, north-central Montana*, 61 p.
- 2008 – Walter Persons: *A field and laboratory study of the Ediacaran fossils of Hewitt's Cove: Evidence of tectonic deformation and consideration of paleobiology*, 57 p. PhD, University of Alberta (Edmonton), Assistant Professor (TT), College of Charleston.
- 2008 – Sophia Kast: *Reconstructing Late Cretaceous climate in the Mahajanga Basin of northwestern Madagascar*, 92 p. Biological Scientist, U.S. Forest Service, presently MS student, University of British Columbia.
- 2008 – Robin Canavan: *Authigenic cements and rare earth element signatures in microfossil bonebeds from the Upper Cretaceous Judith River Formation, north-central Montana*, 74 p. MS, University of Wyoming, PhD, Yale University, presently a post-doc at Univ. Massachusetts Amherst.
- 2006 - Cara Harwood: *Authigenic mineralization and geochemical taphonomy of vertebrate microfossils from the Upper Cretaceous Judith River Formation of Montana*, 107 p. PhD, University of California, Davis, Director of Professional Development and Teaching, University of Wisconsin.
- 2005 – Mara Brady: *An experimental and field-based approach to the taphonomy of microvertebrate assemblages: a case study in the Judith River Formation of north-central Montana*, 135 p. PhD (2012), University of Chicago, Associate Professor (tenured), Fresno State University.
- 2005 – Josephine Williams: *Authigenic cements and rare earth element concentrations in fossil bones from the Upper Cretaceous Two Medicine Formation, Montana*, 60 p.
- 2005 – Christopher Dwyer: *A comparative investigation of diagenesis fossil teeth from the Upper Cretaceous Two Medicine and Judith River Formations of Montana*, 78 p. master's student at University of Wisconsin, Milwaukee.
- 2005 – Brett Dennis-Duke: *Revisiting the magnetostratigraphy of the Upper Cretaceous Berivotra and Maevarano Formations, northwestern Madagascar*, 57 p. MLA (2021), Harvard University.

- 2004 – Brady Foreman: *Geochemical characterization and discrimination of bentonites in the Upper Cretaceous Two Medicine Formation, northwestern Montana*, 58 p. PhD, University of Wyoming, post-doc, University of Minnesota, Associate Professor (tenured), Western Washington University.
- 2004 – Anna Jerve: *Geochemical analysis and characterization of paleosols from the Masorobe Member of the Upper Cretaceous Maevarano Formation, Mahajanga Basin, northwestern Madagascar*, 53 p. MS (2006), Michigan State University, PhD, Uppsala University (Sweden).
- 2003 – Michelle Casey: *Magnetostratigraphy of the Upper Cretaceous Maevarano and Berivotra formations, Mahajanga Basin, northwestern Madagascar*, 130 p. MS, Virginia Tech, PhD (2011), Yale University, Associate Professor (tenured), Towson University.
- 2002 – Elizabeth Hajek: *Comparative sedimentology of two Late Cretaceous localities near New Ulm, Minnesota*, 83 p. MS and PhD (2009), University of Wyoming, Associate Professor (tenured), Pennsylvania State University.
- 2001 – Rebecca Terry: *Character and significance of a silicified unconformity in Late Triassic – Early Jurassic strata of the Limpopo Valley, Southern Zimbabwe*, 123 p. PhD (2007), University of Chicago, Associate Professor (tenured), Oregon State University.
- 2000 – Joshua Miller: *Paleosols as indicators of paleoclimate in the Upper Cretaceous Maevarano Formation, Mahajanga Basin, northwestern Madagascar*, 111 p. PhD (2009), University of Chicago, Assistant Professor (TT), University of Cincinnati.
- 2000 – Adrian Sutter: *A comparative taphonomic study of vertebrate fossilization in marine and terrestrial strata of the Upper Cretaceous Judith River Formation, North-Central Montana*, 65 p.
- 1999 – Lillian Sandler: *Taphonomy and paleoecology of an unusually well-preserved sample of herbivore coprolites from the Chadron Formation (Eocene), South Dakota*, 96 p.

#### CAPSTONE PROJECTS ADVISED (n=20)

- 2023 – Nicole Sponseller: *Sandstone petrology of the Upper Cretaceous Virgelle and basal Two Medicine formations, northwestern Montana*.
- 2023 – Justin Anderson: *Bone diagenesis in the Upper Cretaceous Hell Creek Formation, North Dakota*.
- 2023 – Zia McGarry: *Comparing the end-Permian and Late Triassic mass extinction events*.
- 2023 – Brooke Noonan: *Bone modification features of the Judith River Formation, Upper Cretaceous, Montana*.
- 2021 – Etienne Chenevert: *Modification features on vertebrate fossils preserved in vertebrate microfossil bonebeds of the Cretaceous Judith River Formation, Montana*. MS candidate, Indiana University.
- 2020 – Joseph Baldus: *Recovering base level signals from lignite deposits, Upper Cretaceous Judith River Formation, Montana*.
- 2020 – Matthew Heppleston: *Comparative petrology of Cambrian sandstones*. Geologist, AECOM Environmental Services
- 2017 – Jamie Goodin: *Evidence for trematode parasites on freshwater bivalves in the Upper Cretaceous Judith River Formation, Montana*. MS candidate, Harvard University (landscape architecture).
- 2016 – Elizabeth Stutts: *An exploration of fossil lagerstätten*. Microscope Analyst at EMSL Analytical.
- 2015 – Julian Thies: *Documenting bryozoans in a microfossil bonebed in the Upper Cretaceous Judith River Formation, Montana*.
- 2015 – Victoria Lewis: *XRCT analysis of microfossil bonebeds from the Cretaceous of Montana*.
- 2014 – Magaly Perez: *Comparative taphonomy of vertebrate microfossil bonebeds in the Upper Cretaceous Judith River Formation, Montana*. MS Fresno State University, Teaching Intern, Sanger Unified School District, California.

- 2014 – Alexandra Lawrence: *Description and interpretation of fossil egg shell from vertebrate microfossil bonebeds in the Cretaceous Judith River Formation, Montana*. Paleontologist, Collections Organization, Smithsonian
- 2014 – Cove Fylpaa: *Sedimentology and taphonomy of strandline sands on the beaches of San Salvador Island, Bahamas*. Tour Mechanic/Aide, TDA Global Cycling.
- 2014 – Margo Yaravitz: *Geochemistry of paleosols from the Bighorn Basin, Wyoming*.
- 2013 – Adam McCullough: *Geochemistry of host sediments preserving vertebrate microfossils, Judith River Formation, Montana*.
- 2013 – Danny Morel: *Sedimentology and geochemistry of the volcanic ash deposit at Ashfall State Park, Nebraska*. MS, University of California, Santa Barbara, Geologist, Arcadis.
- 2012 – Andrew Lund: *Taphonomy of vertebrate bioclasts in bonebeds of the Judith River Formation, Montana*. Logistics Manager, Laughing Monk Brewing.
- 2010 – Karanina Scheel: *Characterization and depositional history of the main volcanic ash deposit at Ashfall State Park, Nebraska*. Dog Groomer, Ollu Dog Wash.
- 2002 – Abigail Merlis: *Exploration of concretion formation in the Cretaceous sediments of western Minnesota*. MS in education and in architecture, University of Minnesota, Art Specialist, Belle Plaine School District.

#### **GRADUATE STUDENTS ADVISED (COMMITTEE MEMBER)**

- Anton Wroblewski (PhD, Univ. Wyoming)
- Eric Roberts (PhD, Univ. Utah)
- Terry Gates (PhD, Univ. Utah)
- Francois Therrien (PhD, John Hopkins Univ.)
- Cynthia Crane (MS, East Carolina University)
- Laura Vietti (PhD, Univ. Minnesota)
- David Lovelace (PhD, Univ. Wisconsin)
- Sierra Swenson (MS, Univ. Georgia) (Macalester grad)
- Luke Weaver (PhD, Univ. Washington)
- Anik Regan (MS, Univ. Georgia) (Macalester grad)
- Rachel Laker (PhD, Univ. Chicago)
- Samantha Gogol (PhD, Univ. Minnesota) **current**
- Michael Chiappone (MS, Univ. Minnesota) **current**

#### **PROFESSIONAL AFFILIATIONS AND SERVICE**

- Board Member, David B. Jones Foundation, 2015-present
- Associate Editor, *Palaios*, 2002–2015
- Distinguished Lecturer – Paleontological Society (2003–2005)
- Judge, Romer Prize Award Committee, Society of Vertebrate Paleontology, 1999 –2011
- Judge, Paleontological Society Grant-in-Aid Committee, 1998 –2000
- Member – Geological Society of America (since 1995), Society of Vertebrate Paleontology (since 1987), Paleontological Society (since 2017), Palaeontological Society of Southern Africa (since 2017)