GREGORY P. WILSON MANTILLA

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APPOINTMENTS

Professor, Department of Biology University of Washington, Seattle	2019–present
Curator of Vertebrate Paleontology, Burke Museum University of Washington, Seattle	2017–present
Associate Professor, Department of Biology University of Washington, Seattle	2014–2019
Assistant Professor, Department of Biology University of Washington, Seattle	2007–2014
Adjunct Curator of Vertebrate Paleontology, Burke Museum University of Washington, Seattle	2008–2016
Adjunct Professor, Department of Earth and Space Sciences University of Washington, Seattle	2010–present
Research Associate University of California Museum of Paleontology	2012–present
Research Associate, Department of Earth Sciences Denver Museum of Nature & Science	2007–present
Curator of Vertebrate Paleontology, Department of Earth Sciences Denver Museum of Nature & Science	2005–2007

PROFESSIONAL PREPARATION

NSF Minority Postdoctoral Research Fellow, University of Helsinki, Dr. Jukka Jernvall, “An integrative approach to developing and testing diversification models for the early evolutionary radiation of placental mammals”	2004–2005
Graduate Student, University of California, Berkeley, Dr. William A. Clemens “A Quantitative Analysis of Mammalian Change Across the Cretaceous-Tertiary Boundary in Montana”	1998–2004
NSF Graduate Research Fellow	1999–2002

EDUCATION

University of California, Berkeley, California Ph.D. in Integrative Biology, October 2004.	1998–2004
Stanford University, Palo Alto, California B.A. in Human Biology, May 1995.	1991–1995

FUNDING

Vertebrate Evolution, Biogeography, and Paleoecology in an Ancient Insular Ecosystem. Ministerio de Ciencia e Innovación (Gobierno de España), PID2020-119811GB-I00, 2021-2023, 90,750€, Wilson Mantilla: Senior Personnel.

Collaborative Research: Evaluating long-term terrestrial ecosystem changes associated with the KPg mass extinction and rise of mammals. NSF FRES, 9/1/2021-8/31/2025, $626,263 of $2,175,092, Wilson Mantilla: PI. *Not awarded.*

Hell Creek Project IV: Ecological and evolutionary effects of the Cretaceous-Paleogene mass extinction, **Myhrvold & Havranek Charitable Fund**, 6/1/2021–5/31/2026, $1,000,000, Wilson Mantilla: PI. $100,000 funded for 2021, $200,000 funded for 2022.

Quantifying the Taxonomic and Dietary Diversification of the First Primates. **The Leakey Foundation**, 1/1/2021-12/31/2022, $23,372, Wilson Mantilla: co-PI.

Assessing the Paleontological Potential of Wilderness Study Areas in Eastern Montana. **NLCS-Bureau of Land Management**, 5/1/2020-4/31/2021, $24,818.88, Wilson: PI.

CSBR Natural History: Enhancing paleontology collections in coordination with a new Burke Museum facility. **NSF** CSBR, 8/1/2019-7/31/2020, $226,029, Wilson: co-PI.

The DIG Field School: Partnering paleontological research with K-12 education, **The David B. Jones Foundation**, 5/26/2019–5/25/2021, $132,024, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The TEW Foundation**, 7/1/2018–6/30/2019, $12,000, Wilson: Lead PI.

The Hell Creek Project, **The David B. Jones Foundation**, 9/26/2017–9/25/2019, $126,458.21, Wilson: Lead PI.

Prehistoric Body Theater “Ghosts of the Hell Creek”, **Bergstrom Award**, 7/1/2017–6/30/2018, $16,000, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The TEW Foundation**, 7/1/2017–6/30/2018, $12,000, Wilson: Lead PI.

Collaborative Research: India at the Crossroads—Biotic Change in Continental Vertebrates Across the Cretaceous-Paleogene, **NSF** EAR-SGP, 12/1/2017–11/30/2020, $200,201, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The Paleontological Society** Outreach and Education Grant, 5/19/2017–5/18/2018, $2,500, Wilson: Lead PI.

National Landscape Conservation System (NLCS) research grant supplement, **NLCS-Bureau of Land Management**, 4/1/2017–3/31/2018, $5,000, Wilson: PI.

Precision and Accuracy: Using Trimble GPS Units to Facilitate Undergraduate and Graduate Field Research, **UW Student Technology Fund**, 12/13/2016–12/12/2017, $26,609, Wilson: Lead PI.

Supplement to Hell Creek Project III: Ecological and evolutionary effects of the Cretaceous-Paleogene mass extinction, **Nathan P. Myhrvold Research Fund**, 4/10/2017–4/9/2019, $140,000, Wilson: Lead PI.

Modelo de redes ecologicas para los ultimos dinosaurios of Europe (Ecological network model for Europe’s last dinosaurs). **Ministeria de Economía y Competitividad de España**, 1/1/2017–12/31/19, €35,000, Wilson: co-PI.

National Landscape Conservation System (NLCS) research grant, **NLCS-Bureau of Land Management**, 7/1/2016–6/30/2017, $25,000, Wilson: PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The TEW Foundation**, 7/1/2016–6/30/2017, $10,000, Wilson: Lead PI.

Museum curation intern grant, **Bureau of Land Management-Department of Interior**, 1/11/2016–7/11/2016, $4,800, Wilson: PI.

Tracking biotic change across the Cretaceous-Paleogene of India—workshop, **STEPPE**, 7/18/2015–7/20/2015, $15,000, Wilson: co-PI.

Vertebrate extinction dynamics across the Cretaceous-Paleogene boundary in India, **Royalty Research Fund**, University of Washington, 11/1/2015–10/31/2016, $39,997, Wilson: PI.

US-Ethiopia planning visit for the investigation of non-marine Mesozoic ecosystems from the Northwestern Plateau, Ethiopia, **NSF** CNIC, 10/1/2015–10/1/2016, $7, 762, Wilson: PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **Chevron Foundation**, 1/1/2015–12/31/2016, $38,000, Wilson: Lead PI.

Vertebrate Paleontology and Geology of the Upper Cretaceous of Baja California, Mexico, **American Philosophical Society** Franklin Research Grant, 3/20/2015–12/31/2015, $6,000, Wilson: PI.

Hell Creek Project III: Ecological and evolutionary effects of the Cretaceous-Paleogene mass extinction, **Nathan P. Myhrvold Research Fund**, 4/10/2014–4/9/2019, $550,000, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The TEW Foundation**, 7/1/2014–6/30/2015, $10,000, Wilson: Lead PI.

Taphonomy, paleoecology, and evolution of mammals and squamates from Egg Mountain: An exceptional view of a Late Cretaceous ecosystem, **NSF** EAR-SGP, 10/1/2013–9/30/2016, $109,893, Wilson: Lead PI.

Evolution of continental food webs in the North American Western Interior across the K-Pg boundary, **Doris O. and Samuel P. Welles Research Fund**, University of California Museum of Paleontology, 8/26/2013–8/29/2013, $16,177, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **Microryza Crowd Funding**, 9/1/2013–8/31/2014, $11,470. Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The Paleontological Society** Outreach and Education Grant, 7/1/2013–6/30/2014, $2,500, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The Norcliffe Foundation**, 7/1/2012–6/30/2013, $25,000, Wilson: Lead PI.

An integrative assessment of locomotion and body size patterns in mammals across the Cretaceous-Paleogene boundary, **The Evolving Earth Foundation**, 6/16/2012–6/15/2013, $3,000, to support L. DeBey graduate research, Wilson: PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The Paleontological Society** Outreach and Education Grant, 7/1/2011–6/30/2012, $2,500, Wilson: Lead PI.

The Discoveries in Geosciences (DIG) Field School for K-12 Teachers, **The TEW Foundation**, 7/1/2011–6/30/2012, $15,000, Wilson: Lead PI.

Uncovering the Paleobiogeography of Baja California's Late Cretaceous Vertebrate Fauna, **American Philosophical Society** Franklin Research Grant, 1/1/2011–12/31/2011, $6,000, Wilson: PI.

Mammalian recovery following the end-Cretaceous mass extinction: Tracking patterns in dietary niche filling, **Royalty Research Fund**, University of Washington, 4/1/2010–3/31/2011, $39,973, Wilson: PI.

Continued fieldwork in the Laramie Formation exposures in Pawnee National Grasslands, **USDA Forest Service Grant**, 12/30/2009–12/31/2010, $8,000, Wilson: PI.

Uncovering the Paleobiogeography of Baja California's Late Cretaceous Vertebrate Faunas , **College of Arts & Sciences Scholarly Exchange Grant**, University of Washington, 10/21/2008–10/20/2009, $8,000, Wilson: PI.

Continued fieldwork in the Laramie Formation exposures in Pawnee National Grasslands, **USDA Forest Service Grant**, 12/30/2008–12/31/2009, $7,500, Wilson: PI.

The evolution of Late Cretaceous mammals and plants on the drifting Indian subcontinent, **National Geographic Society Grant**, Committee for Research and Exploration, 2/8/2008–10/1/2009, $24,770, Wilson: Lead PI.

Workshop: Sino-US Collaborative Research on Critical Transitions In History of Life; Denver, Colorado, **NSF** EAR-SGP, 10/2007–9/2009, $41,309, Wilson: co-PI.

Continued fieldwork in the Laramie Formation exposures in Pawnee National Grasslands, **USDA Forest Service Grant**, 12/30/2007–12/31/2008, $4,000, Wilson: PI.

Exploratory fieldwork in the Laramie Formation exposures in Pawnee National Grasslands, **USDA Forest Service Grant**, 12/30/2006–12/31/2007, $3,482, Wilson: PI.

Exploring the stratigraphy and systematics of Late Cretaceous vertebrate faunas from Baja California, Mexico, **Collaborative Research Grant**, UC MEXUS-CONACYT, 10/2004–9/2006, $25,000, Wilson: Organizer, Grant Author.

PEER-REVIEWED PUBLICATIONS

Research papers (corresponding author, postdoc, graduate student, undergraduate)*

1. Anantharaman, S., D. G. DeMar, Jr., R. Sivakumar, D. C. Dassarma, **G. P. Wilson Mantilla**, and J. A. Wilson Mantilla. 2022. First rhynchocephalian (Reptilia, Lepidosauria) from the Cretaceous-Paleogene of India. *Journal of Vertebrate Paleontology*: e2118059. DOI: 10.1080/02724634.2022.2118059.
2. Brannick, A.L.*, H.Z. Fulghum, D.M. Grossnickle, and **G.P. Wilson Mantilla**. *In Review.* Dental ecomorphology and macroevolutionary patterns of North American Late Cretaceous metatherians. *Palaeontologia Electronica*.
3. Weaver, L.N.*, H.Z. Fulghum, D.M. Grossnickle, W.H. Brightly, Z.T. Kulik, **G.P. Wilson Mantilla**, and M.R. Whitney. 2022. Multituberculate mammals show evidence of a life history strategy similar to that of placentals, not marsupials. *American Naturalist* 200(3):383–400.
4. Weaver, L.N.*, T.S. Tobin, J.R. Claytor, P.K. Wilson, W.A. Clemens, and **G.P. Wilson Mantilla**. 2022. Revised stratigraphic relationships within the lower Fort Union Formation (Tullock Member; Garfield County, Montana, U.S.A.) provide a new framework for examining post K-Pg mammalian recovery dynamics. *Palaois* 37(4):104–127. http://dx.doi.org/10.2110/palo.2021.011
5. **Wilson Mantilla, G.P.***, P.R. Renne, B. Samant, D.M. Mohabey, A. Dhobale, A.J. Tholt, T.S. Tobin, M. Widdowson, S. Anantharaman, D.C. Dassarma, and J.A. Wilson Mantilla*. 2022. New mammals from the Naskal intertrappean site and the age of India's earliest eutherians. *Palaeogeography, Palaeoclimatology, Palaeoecology* 591:1–28 https://doi.org/10.1016/j.palaeo.2022.110857
6. Brown, C.M., N.E. Campione, **G.P. Wilson Mantilla**, and D.C. Evans. 2021. Size-driven preservational and macroecological biases in the latest Maastrichtian terrestrial vertebrate assemblages of North America. *Paleobiology*:1-29. doi:10.1017/pab.2021.35
7. Freimuth, W.J.*, D.J. Varricchio, A.L. Brannick, L.N. Weaver, **G.P. Wilson Mantilla**. 2021. Mammal-bearing gastric pellets potentially attributable to *Troodon formosus* at the Cretaceous Egg Mountain locality, Two Medicine Formation, Montana, U.S.A. *Palaeontology* 64(5):699–725. https://doi.org/10.1111/pala.12546
8. Brinkman, D.B.*, J. Divay, D. DeMar Jr., and **G.P. Wilson Mantilla**. 2021. A systematic reappraisal and quantitative study of the non-marine teleost fishes from the late Maastrichtian of the Western Interior of North America: evidence from vertebrate microfossil localities. *Canadian Journal of Earth Sciences* pp. 1–32. https://doi.org/10.1139/cjes-2020-0168
9. Tobin, T.S.*, J.W. Honeck, I.M. Fendley, L.N. Weaver, C.J. Sprain, M.L. Tuite, D.T. Flannery, W. Mans, **G.P. Wilson Mantilla**. 2021. Analyzing sources of uncertainty in terrestrial organic carbon isotope data: a case study across the K-Pg boundary in Montana, USA. *Palaeogeography, Palaeoclimatology, Palaeoecology* 574:110451 https://doi.org/10.1016/j.palaeo.2021.110451
10. **Wilson Mantilla, G.P.***, S.G.B. Chester*, W.A. Clemens, J.R. Moore, C.J. Sprain, B.T. Hovatter, W.S. Mitchell, W.W. Mans, R. Mundil, and P.R. Renne. 2021. Earliest

Palaeocene purgatoriids and the initial radiation of stem primates. *Royal Society Open Science* 8:210050. https://doi.org/10.1098/rsos.210050

- Featured in national and international news outlets (UW News, National Geographic, Science News, New Atlas, LiveScience, Salon); Altmetric score of 528.

11. Wilson, P.K., C.A.E. Strömberg, and **G.P. Wilson Mantilla**. 2021. Seafood Salad: A Diverse Latest Cretaceous Flora from Eastern Montana. *Cretaceous Research* 121:104734 https://doi.org/10.1016/j.cretres.2020.104734
12. Weaver, L.N.*, D.J. Varricchio, E.J. Sargis, M. Chen, W.J. Freimuth, and **G.P. Wilson Mantilla***. 2021. Early mammalian social behaviour revealed by Late Cretaceous multituberculates from a dinosaur nesting site. *Nature Ecology & Evolution*:32–37 https://doi.org/10.1038/s41559-020-01325-8
    - Featured in national and international news outlets (UW News, Science Daily, The Times); Altmetric score of 511.
13. Weaver, L.N. and **G.P. Wilson**. 2021. Patterns of shape disparity in the blade-like p4s of multituberculate mammals reveal functional constraints that influenced the evolution of herbivory. *Journal of Mammalogy* 102(4):967–985. Published online in 2020. https://doi.org/10.1093/jmammal/gyaa029
    - Editor's Choice for Special Feature Volume
14. Murray, A., D. Brinkman, D. DeMar Jr., and **G.P. Wilson**. 2020. Paddlefish and sturgeon (Chondrostei: Acipenseriformes: Polyodontidae and Acipenseridae) from lower Paleocene deposits of Montana, U.S.A. *Journal of Vertebrate Paleontology* 40(2): e1775091 (15 pp) https://doi.org/10.1080/02724634.2020.1775091
15. Wynd, B.M., D.G. DeMar, Jr., and **G.P. Wilson**. 2020. Euselachian diversity through the uppermost Cretaceous Hell Creek Formation of Garfield County, Montana, U.S.A., with implications for the Cretaceous-Paleogene mass extinction in freshwater environments. *Cretaceous Research* https://doi.org/10.1016/j.cretres.2020.104483
16. Fastovsky, D., M. Montellano-Ballesteros, H. Fricke, J. Ramezani, K. Tsukui, **G.P. Wilson**, P. Hall, R. Hernandez-Rivera, and G. Alvarez. 2020. Paleoenvironments, taphonomy, and stable isotopic content of the terrestrial, fossil vertebrate-bearing sequence of the El Disecado Member, El Gallo Formation, Upper Cretaceous, Baja California, México. *Geosphere* https://doi.org/10.1130/GES02207.1
17. Lyson, T.R., I.M. Miller, A.D. Bercovici, K. Weissenburger, A.J. Fuentes, W. C. Clyde, J. W. Hagadorn, M. Butrim, K.R. Johnson, R.F. Fleming, R. Barclay, S.A. Maccracken, B. Lloyd, **G.P. Wilson**, D. Krause, and S.G.B. Chester. 2019. An Exceptional Continental Record of Biotic Recovery after the K-Pg Mass Extinction. *Science* 366:977-983.
    - Featured in national and international news outlets (UW News, New York Times, Wall Street Journal); Altmetric score of 750.
18. Goodwin, M.B., R.B. Irmis, **G.P. Wilson**, D.G. DeMar, Jr., K. Melstrom, C. Rasmussen, B. Atnafu, T. Alemu, M. Alemayehu, S. Getachew. 2019. The first confirmed sauropod dinosaur from Ethiopia discovered in the Upper Jurassic Mugher Mudstone. *Journal of African Earth Sciences* 103571: 7 pp.
19. Grossnickle, D., S.M. Smith, and **G.P. Wilson**. 2019. Untangling the multiple ecological radiations of early mammals. *Trends in Ecology & Evolution* https://doi.org/10.1016/j.tree.2019.05.008
20. Weaver, L.N., **G.P. Wilson**, L.J. Krumenacker, J.R. Moore, and D.J. Varricchio. 2019. New multituberculate mammals from the mid–Cretaceous (lower Cenomanian) Wayan Formation of southeastern Idaho shed further light on the early evolution of Cimolodonta. *Journal of Vertebrate Paleontology* DOI: 10.1080/02724634.2019.1604532

21. Chen, M.*, C.A.E. Strömberg, and **G.P. Wilson***. 2019. Assembly of modern mammal community structure driven by Late Cretaceous dental evolution, rise of flowering plants, and dinosaur demise. *Proceedings of the National Academy of Sciences, U.S.A* 116:9931–9940.
    - Featured in national and international news outlets (UW News, Phys.Org, Eureka Alert!); Altmetric score of 110.
22. Brannick, A.L.* and **G.P. Wilson**. 2018. New specimens of the Late Cretaceous metatherian *Eodelphis* and the evolution of hard-object feeding in the Stagodontidae. *Journal of Mammalian Evolution*. 15 pages. https://doi.org/10.1007/s10914-018-9451-z
23. Smith, S.M.*, C.S. Sprain, W.A. Clemens, D.L. Lofgren, P.R. Renne, and **G.P. Wilson**. 2018. Early mammalian recovery after the end-Cretaceous mass extinction: A high-resolution view from McGuire Creek area, Montana, USA. *Geological Society of America Bulletin* https://doi.org/10.1130/B31926.1.
24. Sprain, C.S.*, P.R. Renne, W.A. Clemens, and **G.P. Wilson**. 2018. Calibration of Chron C29r: New high-precision geochronologic and paleomagnetic constraints from the Hell Creek region, Montana. *Geological Society of America Bulletin* https://doi.org/10.1130/B31890.1.
25. DeBey, L.B.* and **G.P. Wilson*.** 2017. Fossil humeri from eastern Montana reveal locomotor diversity and function of latest Cretaceous and early Paleogene mammals. *Palaeontologia Electronica* 20.3.49A:1–92.
26. Chen, M.*, Z.-X. Luo, and **G.P. Wilson**. 2017. The postcranial skeleton of *Yanoconodon allini* from the Early Cretaceous of Hebei, China and its implications for locomotor adaptation in eutriconodontan mammals. *Journal of Vertebrate Paleontology*. http://dx.doi.org/10.1080/02724634.2017.1315425.
27. DeMar, D.G.*, J.L. Conrad, J.J. Head, D.J. Varricchio, and **G.P. Wilson**. 2017. A new Late Cretaceous iguanomorph from North America and the origin of New World Pleurodonta (Squamata, Iguania). *Proceedings of the Royal Society B* 284:20161902.
    - Featured in national and international news outlets (RedOrbit, Eureka Alerts, Phys.Org, UWToday) and blogs.
    - http://www.washington.edu/news/2017/01/24/prized-fossil-find-the-oldest-most-complete-iguanian-in-the-americas-illuminates-the-lives-of-lizards-in-the-age-of-dinosaurs/
28. Smith, S.M.* and **G.P. Wilson**. 2017. Species discrimination of co-occurring small fossil mammals: A case study of the Cretaceous-Paleogene multituberculate genus *Mesodma*. *Journal of Mammalian Evolution*. 24(2):147–157.
29. **Wilson, G.P.***, E.G. Ekdale, J.W. Hoganson, J.J. Calede, and A. Vander Linden. 2016. A large carnivorous mammal from the Late Cretaceous and the North American origin of marsupials. *Nature Communications*. 10 pages. doi:10.1038/ncomms13734.
    - Featured in national and international news outlets (RedOrbit, Eureka Alerts, Phys.Org, UWToday) and blogs, and web videos; Altmetric score of 238.
    - http://www.washington.edu/news/2016/12/08/new-study-traces-the-marsupial-origins-in-n-america-finds-mammals-during-age-of-dinosaurs-packed-a-powerful-bite/
30. Chen, M.* and **G.P. Wilson**. 2015. A multivariate approach to infer locomotor modes in Mesozoic mammals. *Paleobiology* 41(2):280–312.
31. Sprain, C.J.*, P.R. Renne, **G.P. Wilson**, and W.A. Clemens. 2015. High-resolution chronostratigraphy of the terrestrial Cretaceous-Paleogene transition and recovery interval in the Hell Creek region, Montana. *Geological Society of America Bulletin* 127(3/4):393–409.

32. Williamson, T.E.*, S.L. Brusatte, and **G.P. Wilson**. 2014. The origin and early evolution of metatherian mammals: The Cretaceous record. *ZooKeys* 465:1–76.
33. DeBey, L.B.* and **G.P. Wilson***. 2014. Mammalian femora across the Cretaceous-Paleogene boundary in eastern Montana. *Cretaceous Research* 51:361–385.
    - http://phenomena.nationalgeographic.com/2014/08/18/the-mammals-who-lived/
34. Tobin, T.S.*, **G.P. Wilson***, J.M. Eiler, and J.H. Hartman. 2014. Environmental change across a terrestrial Cretaceous-Paleogene boundary section in eastern Montana, USA, constrained by carbonate clumped isotope paleothermometry. *Geology* 42(4):351–354.
35. Peecook, B.R.*, J.A. Wilson, R. Hernández-Rivera, M. Montellano-Ballesteros, and **G.P. Wilson**. 2014. First tyrannosaurid remains from the Upper Cretaceous (upper Campanian) 'El Gallo' Formation of Baja California, México. *Acta Palaeontologica Polonica* 59(1):71–80.
36. **Wilson, G.P.*** 2014. Mammalian extinction, survival, and recovery dynamics across the Cretaceous-Paleogene boundary in northeastern Montana, USA. In **G. P. Wilson**, W. A. Clemens, J. R. Horner, and J. H. Hartman (eds.), *Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. Geological Society of America Special Paper* 503:365–392.
37. Holroyd, P.A.*, **G.P. Wilson**, and J.H. Hutchison. 2014. Temporal changes within the latest Cretaceous and early Paleogene turtle faunas of northeastern Montana. In **G. P. Wilson**, W. A. Clemens, J. R. Horner, and J. H. Hartman (eds.), *Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. Geological Society of America Special Paper* 503:299–312.
38. **Wilson, G.P.***, D.G. DeMar Jr., and G. Carter. 2014. Extinction and survival of salamander and salamander-like amphibians across the Cretaceous-Paleogene boundary in northeastern Montana, USA. In **G. P. Wilson**, W. A. Clemens, J. R. Horner, and J. H. Hartman (eds.), *Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. Geological Society of America Special Paper* 503:271–297.
39. LeCain, R., W. Clyde*, **G.P. Wilson**, and J. Riedel. 2014. Magnetostratigraphy of the Hell Creek and Lower Fort Union Formations in northeastern Montana. In **G. P. Wilson**, W. A. Clemens, J. R. Horner, and J. H. Hartman (eds.), *Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. Geological Society of America Special Paper* 503:137–147.
40. Moore, J.R.*, **G.P. Wilson**, M. Sharma, H.R. Hallock, D.R. Braman, and P.R. Renne. 2014. Assessing the relationships of the Hell Creek-Fort Union contact, Cretaceous-Paleogene boundary, and Chicxulub impact ejecta horizon at the Hell Creek Formation lectostratotype, Montana, USA. In **G. P. Wilson**, W. A. Clemens, J. R. Horner, and J. H. Hartman (eds.), *Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. Geological Society of America Special Paper* 503:123–135.
41. Vilhena, D.A.*, E.B. Harris, C.T. Bergstrom, M.E. Maliska, P.D. Ward, C.A. Sidor, C.A.E. Strömberg, and **G.P. Wilson***. 2013. Bivalve network reveals latitudinal selectivity gradient at the end-Cretaceous extinction. *Scientific Reports (Nature Publishing Group)* 3:Article 1790 doi:10.1038/srep01790.
42. Donohue, S.L, **G.P. Wilson***, and B.H. Breithaupt. 2013. Latest Cretaceous multituberculates of the Black Butte Station local fauna from the eastern flank of the Rock Springs uplift (Lance Formation, southwestern Wyoming) with implications for compositional differences among mammalian local faunas of the Western Interior. *Journal of Vertebrate Paleontology* 33(3):677–695.

43. **Wilson, G.P.*** 2013. Mammals across the K/Pg boundary in northeastern Montana, U.S.A.: Dental morphology and body-size patterns reveal extinction selectivity and immigrant-fueled ecospace filling. *Paleobiology* 39(3):429–469.
    - Featured article choice by editor
44. **Wilson, G.P.***, A.R. Evans, I.J. Corfe, P.D. Smits, M. Fortelius, and J. Jernvall. 2012. Adaptive radiation of multituberculate mammals before the extinction of dinosaurs. *Nature* 483:457–460.
    - Featured in 57 national and international news outlets (the *New York Times*, *ScienceNOW*, *Seattle Times*) and in podcasts, blogs, and web videos.
45. Archibald, J.D.*, W.A. Clemens, K. Padian, T. Rowe, N. MacLeod, P.M. Barrett, A. Gale, P. Holroyd, H. Sues, N.C. Arens, J.R. Horner, **G.P. Wilson**, M.B. Goodwin, C.A. Brochu, D.L. Lofgren, S.H. Hurlbert, J.H. Hartman, D.A. Eberth, P.B. Wignall, P.J. Currie, A. Weil, G.V.R. Prasad, L. Dingus, V. Courtillot, A. Milner, A. Milner, S. Bajpai, D.J. Ward, A. Sahni. 2010. Cretaceous Extinctions: Multiple Causes. Comment. *Science* 328:973.
46. **Wilson, G.P.*** and J.A. Riedel. 2010. New specimen reveals deltatheroidan affinities of the North American Late Cretaceous mammal *Nanocuris*. *Journal of Vertebrate Paleontology* 30(3):872–884.
47. **Wilson, G.P.***, M. Dechesne, and I.R. Anderson. 2010. New latest Cretaceous mammals from northeastern Colorado with biochronologic and biogeographic implications. *Journal of Vertebrate Paleontology* 30(2):499–520.
48. Gao, Chun-ling, **G.P. Wilson***, Z.-X. Luo, A.M. Maga, Q. Meng, and X. Wang. 2010. A new mammal skull from the Lower Cretaceous of China with implications for the evolution of obtuse-angled molars and “amphilestid” eutriconodonts. *Proceedings of the Royal Society B: Biological Sciences* 277:237–246. doi: 10.1098/rspb.2009.101 (online publication in 2009).
49. Clemens, W.A.* and **G.P. Wilson***. 2009. Early Torrejonian mammalian local faunas from northeastern Montana, U.S.A. *Papers on Geology, Vertebrate Paleontology and Biostratigraphy in Honor of Michael O. Woodburne*. Albright, L.B. III (ed). *Museum of Northern Arizona Bulletin* 65:111–158.
50. **Wilson, G.P.***, D.C. Das Sarma, and S. Anantharaman. 2007. Late Cretaceous sudamericid gondwanatherian mammals from India with paleobiogeographic considerations of Gondwanan mammals. *Journal of Vertebrate Paleontology* 27(2):521–531.
51. Evans, A.*, **G.P. Wilson**, M. Fortelius, and J. Jernvall. 2007. High-level similarity in dentitions of carnivorans and rodents. *Nature* 445:78–81.
    - Featured in Nature Podcast and Science Daily
52. Anantharaman, S., **G.P. Wilson***, D.C. Das Sarma, and W.A. Clemens. 2006. A possible Late Cretaceous “haramiyidan” from India. *Journal of Vertebrate Paleontology* 26(2):488–490.
53. **Wilson, G.P.*** 2005. Mammalian faunal dynamics during the last 1.8 million years of the Cretaceous in Garfield County, Montana. *Journal of Mammalian Evolution* 12(1/2):53–76.
54. Rana, R.S. and **G.P. Wilson***. 2003. New Late Cretaceous mammals from the Intertrappean beds of Rangapur, India and paleobiogeographic framework. *Acta Paleontologica Polonica* 48(3):331–348.
55. Clemens, W.A.*, **G.P. Wilson**, and R.E. Molnar. 2003. An enigmatic (synapsid?) tooth from the Early Cretaceous of New South Wales, Australia. *Journal of Vertebrate Paleontology* 23(1):232–237.
56. **Wilson, G.P.***, R.P. Hilton, and E.S. Göhre. 2003. The first Mesozoic mammal from California. *Paleobios* 23(1):20–23.
57. Khosla, A., V.V. Kapur, P.C. Sereno, J.A. Wilson, **G.P. Wilson**, D. Dutheil, A. Sahni, M.P. Singh, S. Kumar, and R.S. Rana. 2003. First dinosaur remains from the Cenomanian-

Turonian Nimar Sandstone (Bagh Beds), District Dhar, Madhya Pradesh, India. *Journal of The Palaeontological Society of India* 48:115–127.

58. **Wilson, G.P.*** and N.C. Arens. 2001. The evolutionary impact of an epeiric seaway on Late Cretaceous and Paleocene South American palynofloras. *Asociación Paleontológica Argentina. Publicación Especial 7. VII International Symposium on Mesozoic Terrestrial Ecosystems*:185–189.
59. Sereno, P.C.*, A.L. Beck, D.B. Dutheil, H.C.E. Larsson, G.H. Lyon, B. Moussa, R.W. Sadleir, C.A. Sidor, D.J. Varricchio, **G.P. Wilson**, and J.A. Wilson. 1999. Cretaceous sauropods from the Sahara and the uneven rate of skeletal change among dinosaurs. *Science* 286:1342–1347.
60. Sereno, P.C.*, D.J. Varricchio, A.L. Beck, D.B. Dutheil, H.C.E. Larsson, J.D. Marcot, O.W.M. Rauhut, R.W. Sadleir, C.A. Sidor, **G.P. Wilson**, and J.A. Wilson. 1998. A long-snouted predatory dinosaur from Africa and the evolution of spinosaurids. *Science* 282:1298–1302.

Professional meeting abstracts since 2014
(graduate student in red, undergraduate in blue)

1. Brannick, A.L. and **G.P. Wilson**. 2018. Did taxonomic radiation coincide with dietary diversification in North American Cretaceous metatherian mammals? Symposium presentation at the American Society of Mammalogy Annual Meeting. *Invited*.
2. Smith, S.M. and **G.P. Wilson**. 2018. Teeth through time: Quantitative mammalian dental morphology across the Cretaceous-Paleogene boundary. Symposium presentation at the American Society of Mammalogy Annual Meeting. *Invited*.
3. Wynd, B.M., D.G. DeMar, Jr., and **G.P. Wilson**. 2018. Diversity of Chondrichthyes through the uppermost Cretaceous Hell Creek Formation of Garfield County, Montana, with implications for the Cretaceous-Paleogene mass extinction in freshwater environments. Society for Integrative and Comparative Biology Annual Meeting Abstracts:459.
4. Weaver, L.N., M.R. Whitney, and **G.P. Wilson**. 2018. Osteohistology of multituberculate femora from northeastern Montana suggests variation in growth rate near the K-Pg boundary. Society for Integrative and Comparative Biology Annual Meeting Abstracts:440.
5. Wynd, B.M., D.G. DeMar, Jr., and **G.P. Wilson**. 2017. Diversity of chondrichthyans through the uppermost Cretaceous (Maastrichtian) Hell Creek Formation of Garfield County, Montana, with implications for the Cretaceous-Paleogene mass extinction. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:216.
6. Weaver, L.N., M.R. Whitney, and **G.P. Wilson**. 2017. Osteohistology of three multituberculate femora from northeastern Montana suggests variation in growth rate near the K-Pg boundary. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:211.
7. Smith, S.M., C.J. Sprain, **G.P. Wilson**, W.A. Clemens, and P. Renne. 2017. Early mammalian faunal recovery following the Cretaceous-Paleogene mass extinction event in McGuire Creek, Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:196.
8. Grossnickle, D., M. Chen, J. Wauer, Q.-J. Meng, D. Liu, Y.-G. Zhang, **G.P. Wilson**, and Z.-X. Luo. 2017. Gliding and roosting behavior in eleutherodontid stem mammaliaforms from the Jurassic of China. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:123.
9. Brannick, A.L., and **G.P. Wilson**. 2017. Exploring the evolution of durophagy in stagodontid metatherians using relative mandibular bending strength. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:86.

10. Wilson, P.K., **G.P. Wilson**, and CAE Strömberg. 2017. Vegetation and Environment Change Across the K-Pg Boundary in the Hell Creek of Montana. Geological Society of America Annual Meeting.
11. **Wilson, G.P.**, and B.T. Hovatter. 2017. The Discoveries in Geosciences (DIG) Field School: Connecting teachers with researchers and museums to inspire students with real science in the classroom. Geological Society of America Annual Meeting.
12. Hovatter, B.T., and **G.P. Wilson**. 2017. The Discoveries in Geosciences (DIG) Field School: Teacher and student involvement with real research in the classroom. Geological Society of America Annual Meeting.
13. Hoppe, K.A., D.G. DeMar, Jr., and **G.P. Wilson**. 2017. Using vertebrate microfossil samples from the Upper Cretaceous Hell Creek Formation to involve introductory (100-level) Earth science students in original scientific research. Geological Society of America Annual Meeting.
14. Chen, M., **G.P. Wilson**, and C.A.E. Strömberg. 2017. Inferring Mesozoic terrestrial environments using ecological structure of extant small-bodied mammalian communities. Geological Society of America Annual Meeting.
15. Peng, A., N. Toews, and **G.P. Wilson**. 2017. An ontogenetic investigation of a Cretaceous North American mammal, *Didelphodon vorax* (Metatheria: Marsupialiformes: Stagodontidae), through quantitative and descriptive analysis of the dentary. Geological Society of America Annual Meeting.
16. Brannick, A.L., **G.P. Wilson**, D.J. Varricchio, and E.G. Ekdale. 2016. Nestled among dinosaur eggs: New *Alphadon* specimens from Egg Mountain and their implications for metatherian evolution. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:103.
17. DeMar, D.G., Jr., **G.P. Wilson**, D.B. Brinkman, P.A. Holroyd, S.M. Smith, and G.K. Mercier. 2016. Vertebrate faunal dynamics during the end-Cretaceous mass extinction: a synthesis from the fossil record of northeastern Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:124.
18. Hovatter, B.T. and **G.P. Wilson**. 2016. The early Paleogene rise of placentals and decline of multituberculates: Insights from analysis of dental disparity, morphospace occupation, and body size of earliest Torrejonian (To1) mammals from northeastern Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:158.
19. Hovatter, B.T. and **G.P. Wilson**. 2016. The Discoveries in Geosciences (DIG) Field School: helping teachers inspire students with real science in the classroom. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:158.
20. Mercier, G.K., D.G. DeMar, Jr., and **G.P. Wilson**. 2016. Anurans, caudates, and albanerpetontids (Lissamphibia) reveal differential patterns of turnover and extinctions during the end-Cretaceous mass extinction, northeastern Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:188.
21. Smith, S.M., G. Aranoff, and **G.P. Wilson**. 2016. Quantitative dental ecomorphology reveals a wide range of mammalian dietary ecologies in the first one million years following the Cretaceous-Paleogene mass extinction. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:228.
22. Watrin, M., B.T. Hovatter, and **G.P. Wilson**. 2016. DIG Field School: Paleontologists and Teachers Together in the Field. National Science Teachers Association Train-the-Trainer Workshop, November 11–12, Portland, Oregon.
23. Weaver, L.N., E.J. Sargis, **G.P. Wilson**, & D.J. Varricchio. 2016. The first postcranial skeleton of *Cimexomys judithae* and implications for locomotor diversity in Late Cretaceous cimolodontan multituberculates. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:247.

24. **Wilson, G.P.**, M. Widdowson, S. Anantharaman, J.A. Wilson, and P.R. Renne. 2016. New mammalian fossils from the intertrappean beds of the southern part of the Deccan Volcanic Province and the Cretaceous-Paleogene transition in India. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:252.
25. Brannick, A.L., and **G.P. Wilson**. 2015. New specimens and morphology of the lower jaw of the Late Cretaceous metatherian *Eodelphis* Matthew, 1916. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:95.
26. DeMar, D.G., Jr., J.L. Conrad, D.J. Varricchio, and **G.P. Wilson**. 2015. Phylogenetics and paleobiology of a Late Cretaceous stem iguanian from Montana. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:115.
27. Hovatter, B.T. and **G.P. Wilson**. 2015. Faunal analysis of earliest Torrejonian (To1) mammals from northeastern Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:147.
28. Schein, J.P., **G.P. Wilson**, C.A. Sidor, L.B. DeBey, J.C. Poole, and B.L. Malinowski. 2015. Tapping a new source: The anatomy of a successful crowdfunding campaign for vertebrate paleontology. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:208.
29. Smith, S.M. and **G.P. Wilson**. 2015. Species delimitation in the problematic Cretaceous-Paleogene genus *Mesodma* (Multituberculata, Neoplagiaulacidae) and the importance of differential taxonomic diagnoses. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:216.
30. Varricchio, D.J. J.R. Moore, F.D. Jackson, and **G.P. Wilson**. 2015. Return to Egg Mountain: An exceptional record of Late Cretaceous Terrestrial paleoecology from the Two Medicine Formation of Montana, USA. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:230.
31. Corfe, I., **G.P. Wilson**, A. Evans, and J. Jernvall. 2014. Testing developmental biology predictions with fossils: Dental complexity and evolutionary rates of the Multituberculata. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:112.
32. DeBey, L.B. and **G.P. Wilson**. 2014. Mammal postcrania support taxonomic richness and body mass increases across the Cretaceous-Paleogene boundary in northeastern Montana. Geological Society of America Annual Meeting.
33. DeBey, L.B., **G.P. Wilson**, and W. Kehl. 2014. Teachers, dinosaurs, and dirt: Immersive professional development and the DIG Field School. 10th North America Paleontological Convention, The Paleontological Society Special Publications 13:71.
34. DeBey, L.B. and **G.P. Wilson**. 2014. Getting a leg up: Mammalian postcrania across the Cretaceous-Paleogene boundary in northeastern Montana. 10th North America Paleontological Convention, The Paleontological Society Special Publications 13:140.
35. DeMar, D.G., Jr., J.L. Conrad, J.J. Head, **G.P. Wilson**, D.J. Varricchio. 2014. Two nearly complete lizard skeletons from the Upper Cretaceous (Campanian) Two Medicine Formation, Montana, USA, offer novel insights into the morphology and evolution of Squamata. Geological Society of America, Rocky Mountain and Cordilleran Joint Meeting.
36. Fastovsky, D.E., M. Montellano-Ballesteros, **G.P. Wilson**, E. Martínez, and P. Romo De Vivar Martínez. 2014. Paleoenvironments, vertebrate faunas, and taphonomy of the "El Gallo" Fm., Late Cretaceous, Baja California, México. Geological Society of America Annual Meeting.
37. Irmis, R.B., M.B. Goodwin, and **G.P. Wilson**. 2014. Early Mesozoic vertebrate assemblages from Ethiopia and their significance for Gondwanan biogeography. 4th International Palaeontological Congress, Meeting Program and Abstracts:541.
38. Mercier, G., D.G. DeMar, and **G.P. Wilson**. 2014. Frogs and toads (Lissamphibia, Anura) during the end-Cretaceous mass extinction: Evidence from the fossil record of

northeastern Montana. Society of Vertebrate Paleontology Annual Meeting Program and Abstracts:187.

39. Smith, S.M. and **G.P. Wilson**. 2014. Mammalian dental ecomorphology and disparity across the Cretaceous-Paleogene boundary: a comparison of 3D metrics. 10th North America Paleontological Convention, The Paleontological Society Special Publications 13:173.
40. Vander Linden, A.R. and **G.P. Wilson**. 2014. Functional constraint and convergent evolution of plagiaulacoid dentition in extant marsupials. Society for Integrative & Comparative Biology Annual Meeting Abstracts:351.
41. Varricchio, D.J., F.D. Jackson, and **G.P. Wilson**. 2014. Return to Egg Mountain: Taphonomy of a Late Cretaceous dinosaur nesting locality from Montana, USA. Geological Society of America, Rocky Mountain and Cordilleran Joint Meeting.
42. **Wilson, G.P.** 2014. On the cusp: GIS approaches to inferring diet in fossil mammals. 10th North America Paleontological Convention, The Paleontological Society Special Publications 13:172.
43. **Wilson, G.P.**, P.R. Renne, and J.A. Wilson. 2014. Diversity, Extinction, and Recovery in Terrestrial Ecosystems Across the K/Pg boundary in North America and India. 10th North America Paleontological Convention, The Paleontological Society Special Publications 13:130.
44. **Wilson, G.P.** and D.J. Varricchio. 2014. Exceptionally well-preserved mammal fossils from the Upper Cretaceous (Campanian) Egg Mountain Locality (Two Medicine Formation). Geological Society of America, Rocky Mountain and Cordilleran Joint Meeting.

INVITED LECTURES

2022 Yale Institute for Biospheric Studies Seminar Series (postponed)
2022 Western Interior Paleontological Society's Founders Symposium (canceled due to COVID)
2022 Dinosaurs & MOR Symposium, Montana State University
2021 Department of Biology (Extinction Seminar), University of North Carolina
2020 University of California Museum of Paleontology (Fossil Coffee)
2020 Department of Ecology and Evolutionary Biology, University of Toronto
2019 North American Paleontology Convention, Paleontological History of the Indian Subcontinent, Invited Speaker (June 23-27)
2019 Gordon Research Conference, Geochronology: Timing, Tempo, and Drivers of Biotic Evolution, Invited Speaker (August 4-9)
2018 Denver Museum of Nature & Science, Denver, Colorado
2018 American Society of Mammalogy, “Mammals Across The Ages” symposium. Declined.
2018 Department of Geology, University of New Mexico, Albuquerque, New Mexico
2017 Kalamazoo Valley Museum, Invited Speaker for exhibit “Dinosaurs: Land of Fire and Ice and Dinosaur Discovery.”
2017 University of California, Berkeley and Berkeley Geochronology Center, K-Pg Symposium “What Killed the Dinosaurs: A Fresh Look at One of Earth's Greatest Mysteries”
2016 Department of Geology, Lund University, Lund, Sweden
2016 Department of Geology, Nagpur University, Nagpur, India
2016 Paleobiology Discussion Group, Department of Geology, Bristol University, Bristol, United Kingdom
2016 Department of Geology, Lund University, Lund, Sweden
2015 Institut Català de Paleontologia Miquel Crusafont, Barcelona, Spain
2015 Departmental Seminar Series, Department of Earth and Planetary Science, University of California, Davis, California.
2015 Department of Evolutionary Anthropology, Duke University, Durham, North Carolina

2015 Northwest Geological Society, Seattle, Washington
2015 Arizona State University Origins Project, Extinction as Creative Destruction workshop
2014 Keynote Speaker for Research Day, School of Dentistry, University of Washington
2014 Panelist for "The Mismeasure of Man" Common Book Event, College of Education, University of Washington
2013 Keynote Speaker for Research Day, School of Dentistry, University of Washington (declined due to scheduling conflict)
2013 Graduate Student Invited Speaker, Jackson School of Geosciences Departmental Seminar Series, University of Texas, Austin, Texas
2013 Royal Tyrrell Museum of Palaeontology Speaker Series, Drumheller, Alberta
2013 International Conference on Volcanism, Impacts and Mass Extinctions: Causes and Effects, The Natural History Museum, London, England
2013 Oral Health Sciences Seminar, School of Dentistry, University of Washington
2013 PaleoFest, Burpee Museum, Rockford, Illinois
2012 Montana State University, Department of Geology
2012 31st IUBS General Assembly and Conferences on Biological Sciences and Bio industry, Suzhou, China
2011 University of Michigan Museum of Paleontology
2011 University of California, Museum of Paleontology
2010 Field Museum of Natural History
2009 University of California Museum of Paleontology
2009 University of Oregon, Department of Geology
2009 Keynote Speaker, British Columbia Paleontological Society Annual Conference
2008 Distinguished Lecturer, Leading Edge of Earth and Planetary Science, University of North Dakota
2007 Tate Geological Museum Annual Conference
2007 Distinguished Lecturer, University of Wyoming, Department of Geology and Geophysics

TEACHING

Macroevolution Graduate Seminar (BIOL 551I)
Co-developer and instructor (2018)
Analytical Paleobiology (BIOL 438)
Co-developer and co-instructor 2014
Instructor 2016, 2017, 2019
Grant Writing (BIOL 502)
Instructor 2013
Introduction to Graduate Research in Paleobiology (BIOL 555A/ESS 558A)
Co-developer and co-instructor 2012
Paleontology Field Methods and Research (BIOL 475A)
Instructor 2011, 2012, 2013, 2014, 2015, 2016
Discoveries in Geosciences (DIG) Field School (BIOA 491)
Instructor and developer 2010–2018
Interdisciplinary Minor in Paleobiology
Co-developer 2010
Foundations in Evolution & Systematics (BIOL 354)
Instructor 2010 (Spr), 2010 (Aut), 2012, approximately 120 students
Evolution of Mammals & Their Ancestors (BIOL 443)
Instructor 2008, 2009, 2011, 2012, 2014, 2015, 2017, 2019 approximately 24 students
PaleoLunch Seminar (BIOL 483, 550B)

Co-developer and co-instructor 2008, 2009, 2010, 2011, 2012, 2014, 2015, 2017 approximately 15 graduate and undergraduate students

Survey of Human Physiology (BIOL 118)
Co-instructor 2008, approximately 240 students

Evolution of the Earth (ESS 213)
Guest lecturer 2008

Evolution of Mammal Teeth (Denver Museum of Nature & Science)
Guest lecturer 2007

Vertebrate Paleontology II (Denver Museum of Nature & Science)
Instructor 2006, 2007

Field Methods in Paleontology (Denver Museum of Nature & Science)
Instructor 2006, 2007

Vertebrate Evolution (GEOL 4480, University of Colorado, Boulder)
Guest lecturer 2005

Introduction to Paleobiology (GEOL 3410, University of Colorado, Boulder)
Guest lecturer 2006

Teaching Assistant, University of California, Berkeley (1999-2004). Age of Mammals (1 semester), Human Gross Anatomy (2 semesters).

PROFESSIONAL SERVICE

Cambridge Prisms: Extinction, Editorial Board member (2022–present)

NSF Panel Member (2022)

Scientific Committee, 2nd Palaeontological Virtual Congress (May 2020)

Co-led international workshop "Tracking biotic changes across the Cretaceous-Paleogene of India" (July 18-20, 2015) at the University of Washington

Co-led international workshop on Cretaceous-Paleogene Food Webs (August 26-29, 2013) at the University of California Museum of Paleontology

Cretaceous Research, Editorial Board member (2008–present)

External reviewer for many journals, including *Science*, *Nature*, *Proceedings of the National Academy of Sciences*, *Journal of Vertebrate Paleontology*, *Naturwissenschaften, Proceedings of the Royal Society-Biology, Geobios, Journal of Vertebrate Paleontology, Journal of Systematic Palaeontology, Paleobios, Cretaceous Research, Acta Palaeontologica Polonica, Journal of Mammalian Evolution*

Lead Editor for Geological Society of America Special Paper 503.

Ad-hoc reviewer for the NSF Sedimentary Geology and Paleobiology panel, the Paleoanthropology panel, NSERC, and National Geographic Committee on Research and Exploration

Society of Vertebrate Paleontology- Chair of Development Committee (2013-2016), member of Development Committee (2005–2012, 2017), member of Best Student Paper Award (2014–2017)

The Paleontological Society, member

Geological Society of America, member

Society for Study of Mammalian Evolution, member

Society of Systematic Biology, member

Western Interior Paleontological Society-Curator Liason (2005–2007)

AWARDS

The Raymond M. Alf Award for Excellence in Paleontological Research & Education, Raymond M. Alf Museum of Paleontology, Claremont, California (2018)

Bergstrom Award (w/Ari Rudenko), University of Washington, College of Arts and Sciences, for "Prehistoric Body Theater: Ghosts of Hell Creek" (2017)

UNIVERSITY SERVICE

UW Royalty Research Fund review committee (2022–2023)
Reviewer for the Mary Gates Endowment Research Scholarship program (2021)
University of Washington, Burke Museum, Paleobotany Collections Manager Search Committee Member (Oct 2021)
University of Washington, Burke Museum, Director of Communications Search Committee Member (Oct 2020)
University of Washington, College of Arts & Sciences representative for Fieldwork Subcomittee (May 2020)
University of Washington, College of Arts and Sciences, scientific advisor for Prehistoric Body Theater training and performance of "Ghosts of Hell Creek," Meany Studio Theater (May 5 and 6, 2018).
College of Environment Meet, Greet, Teach for "Expanding the Science Team," panelist (March 5, 2018)
College of Education Common Book Panel Discussion for "Mismeasure of Man," panelist (April 23, 2014)
Paleobiology Minor faculty coordinator (2010–present)
Biology Department, Research Committee (2021–present)
Biology Department, Undergraduate Curriculum Committee (2009–2012, 2016-2019)
Biology Department, Ad-Hoc Annual Merit Review Committee (2012)
Biology Department, Seminar Series Committee, Chair (2014)
Biology Department, Diversity Committee (2014–2016)

PUBLIC OUTREACH

2022	UW Osher Lifelong Learning Institute presentation (May 11)
2021	Burke Museum Curated Conversation (October 13)
2020	Burke Museum, Curated Conversation (July 23)
2019	Scientific lead and co-developer of a podcast on paleontology
2018	Contributor to *Dinosaur Doom the K-Pg Mass Extinction Event* on Virtual Field Trips.
2018	Popular talk for STEM Fair for Whittier Elementary, Seattle, WA.
2017–2018	Many Burke Museum public events, including "Meet the Mammals", "Dino Weekend", "Dinos on the Rocks".
2017	Contributor to BBC documentary "The real T. rex" with Chris Packham.
2017	Interviewed for Science News article by Meghan Rosen on K-Pg mass extinction event.
2010–present	Co-founder, co-developer, lead instructor of the Discoveries in Geosciences (DIG) Program, which includes a four-day immersive paleontology and geology field school for K-12 educators from all across the country with continuing curriculum support throughout the school year in the form of DIG traveling boxes with lesson plans, fossils, and geologic samples. More than 160 educators and their classrooms (>16,500 students) from 46 counties and 27 states have been reached.
2016	Tufts-Love *T. rex* international press coverage for the Burke Museum: More than 1,047 stories, ~20 interviews with news outlets and blogs, estimated 2 billion people reached.

2014	Popular talk for Port Angeles Library opening of "Cruising the Fossil Freeway" exhibit
2013	Mentor for Seattle Pacific University undergraduate mentor program
2013–present	Scientific consultant for a video game/simulator Saurian Game
2013	Popular talk for Seattle Rock and Mineral Club
2013	Scientific expert/consultant for "A New Prehistory" a documentary trilogy focused on key events in the evolutionary history of life. St. Thomas Productions.
2012	Tour of the UW Burke Museum Paleontology Collections for SACNAS conference
2012	Lab tour for National Lab Day
2012	News coverage of Nature publication (see above) by over 57 international news outlets including "Talk Nerdy to Me" (Huffington Post) and "Academic Minute" (WAMC) http://www.huffingtonpost.com/2012/03/15/dinosaurs-mammals_n_1351048.html?utm_hp_ref=talk-nerdy-to-me http://wamc.org/post/dr-gregory-wilson-university-washington-success-early-mammals
2011	Scientific expert/consultant and highlighted speaker for Educurious evolution and systematics module for 9th grade biology curriculum, funded by Gates Foundation
2010	Invited Public Lecture for Hell Creek State Park, Jordan, Montana
2010	Popular talk for Northwest Paleontological Association
2010	Popular talk for Burke Museum's "A Hitchhiker's Guide to the Fossil Freeway"
2009–present	Burke Museum "Dino Day" participant
2009	Interviewed for KUOW NPR radio program "Weekday"
2008	Interviewed for Animal Planet series "Animal Armageddon"
2008–present	Burke Museum "Meet the Mammals" participant
2007–present	Professional Liaison for Greenhouse Scholars (http://www.greenhousescholars.org)
2007	"Notes from the Field" Blog (Denver Museum of Nature & Science).
2007	Popular talk "China's Paleontological Jackpot: Early Cretaceous Jehol Mammals" for the Denver Museum of Nature & Science
2006	Popular talk "The Out-of-India Hypothesis: Mesozoic mammals on drifting continents" for the Denver Museum of Nature & Science
2006	Popular talk for "Early Mammalian Evolution: Drifting Continents and Mass Extinction" for the Denver Museum of Nature & Science
2005–2006	Scientific consultant for popular articles in Boulder's *Daily Camera* and *Science News* and a documentary for Japan's NHK television "Dinosaurs vs. Mammals."
2005	Organized and promoted a keynote lecture and symposium celebrating the 10th Anniversary of the Denver Museum of Nature & Science's *Prehistoric Journey* exhibit, consisting of eight leading paleontologists.
2005	Curator liason for *Prehistoric Journey* exhibit and volunteer training (Denver Museum of Nature & Science).
2005	Popular talk "Mighty mice and their mighty molar complexity: Incisors aren't everything" for the Denver Museum of Nature & Science
2005	Popular talk "Current research in early mammalian evolution" for the Denver Museum of Nature & Science
2005	Popular talk "Jordan, Montana: 'Holy Ground' for Fossil Hunters" for Good Samaritan Village, Loveland, Colorado
2003	Independent scientific content evaluator for Barron's Educational Series, Inc.
2003	Interviewed on *Good Morning America* and on Germany's *Spiegel* television magazine

2003 Popular talk "Dead dinosaurs and exploding mammals: Paleontology in Hell Creek, Montana" for Society of Cal Integrative Biology Undergraduate Students
2002 Popular talk "Paleontology in the Sahara" for Katherine Delmar Burke School, San Francisco, California
1998–2004 University of California Museum of Paleontology docent for K-12 school visits
1998, 2002 University of California Museum of Paleontology curatorial assistant for vertebrate paleontology collections

FIELD EXPERIENCE

1997–present Led, co-led, or participated in paleontological and geological fieldwork in Paleozoic, Mesozoic, and Cenozoic deposits in Ethiopia, Niger, India, Spain, Colombia, Mexico, Montana, Colorado, Wyoming, California, Washington, and Texas.

MENTORSHIP

Postdoctoral Fellows (**NSF Postdoctoral Research Fellows in bold)**:
Dr. David DeMar, Jr. (2016-2017), Dr. Yue Zhang (2016), **Dr. David Grossnickle** (2018-present).

Graduate Committee Chair (**NSF Graduate Research Fellows in bold**):
Ph.D. Students: Meng Chen (2015)[1], **Lauren DeBey**[2] (née Berg) (2015), **David DeMar, Jr.** (2015)[3], Jonathan Calede (2016)[4], Stephanie Smith (2017)[5], **Luke Weaver** (2021)[6], Alexandria Brannick (2021)[7], **Jordan Claytor**, and Kirsten Meltesen (all BIOL); Paige Wilson (2022, co-advised with Dr. Caroline Strömberg)[8] and Brody Hovatter (both ESS). Subsequent or current positions: [1]Postdoc at Nanjing University, [2]Managing Product Consultant Tableau Software, [3]Postdoc at Smithsonian Institution, [4]Tenure-track Assistant Professor at Ohio State Universtiy, Marion, [5]NSF Postdoc at Field Museum, [6]NSF Postdoc at University of Michigan, [7]CT technician at University of Washington, [8]Paleobotany Collections Manager at Burke Museum.
M.S. Students: Edward Armstrong (ESS).

Graduate Committee Member:
Ph.D. Students: Loren Ballanti (2011), Regan Dunn (2013), Adam Huttenlocker (2013), Casey Self (2015), Stephanie Crofts (2015), Elisha Harris (2016), Brandon Peecook (2016), Charles Beightol, Leith Miller (2019), Camila Crifo, Megan Whitney, Katie Stanchak (2019), Will Brightly, Savannah Olroyd, Zoe Kulik, Kayla Hall (all BIOL); Tom Tobin (2014, ESS), Landon Burgener (ESS), Steven Lautzenheiser (2019, Anthropology); Josh Matthews (Northern Illinois University).
M.S. Students: Emmanuel Ergas (UW BIOL, 2009), Rebecca LeCain (Univ. New Hampshire, 2010), Michael Poltenovage (University of Colorado, Boulder, 2010), Misaki Ouchida (UW Anthropology, 2015), Savanna Olroyd (UW ESS, 2016), Alaina Harmon (UW Museology 2018), Bridget Murray (Univ. Alabama, Henry Ermer (Brooklyn College).
1st year Tutorials: Karly Cohen (Summers Lab), Kayla Hall (Summers Lab), David Villalobos Chaves (Santana Lab), Elliott Armour Smith (Sidor Lab), Donavan Jackson (Santana Lab).

Undergraduate Mentoring (**Mary Gates undergraduate scholars in bold**):
Current Students: Amanda Gardiner, Stokke Xu, Han Yao, Ezekiel Augustine, Isobel Ruiz.

Past Students: **Daniel Perez**, Ally Kinahan, Natalie Toews, Ellie Strigen, Krishna Hu, Amanda Gardiner, Riley Fischer, **Henry Fulghum**, Ari Benjamin, Luke Schefke, Derrick Lim, Faustino Hampson-Medina, Gabriel Goncalves, Joshua Yee, Nadia Popovici, Sarah King, Taylor Manske, Logan Knowles, Rachel John (high school), Sofwa Sabarudin, Robert

Spencer, Christopher Remily, Alex Nguyen, Allison Nelson, Logan Heine, Brenen Wynd, David Guilder, Christine Benner, Kayla McLaughlin, Jacob Woods, Victoria McPherson, Yuen Ting Tse, Rachel Phillips, Charlie Omana, Katy Cui, Sarah King, Maxwell Collins, Alan Ho, Amanda Peng, Heena Kumar, Marshall Watrous, Andrew McMartin, Hannah Burson, Parth Patel, Aneesha Usman, **Gianni Aranoff**, Fred Henry, Leah Stewart, Albert Meuse, Chris Ming-Hong Liu, **Nicole Aqua**, Claire Accettullo, Glen Kelton, Kyle Krieger, Molly Marquis (HS), Jaclynne Hedge, Jackie Divita, Prab Singh, Sarah Croft, Anna Frolova, Gurneet Sangha, Loc Nguyen, Clayton Friedman, Garrett Mercier, Elie Aboulafia, Kate Stratton, Ray Lay, Mitch Sturtevant, Cat Cook, Brandi Agena, Cheyenne Randolph, Yuguan Lin Edite Forman, Joseph Fleischman, Katelyn Lo, **Brody Hovatter**, Melinda Gonzales, Marine LeBrec, Sam Bottman, Lauren Johnson, Morgan Turner, David Armo, Jennifer Glusman, Cara Skalisky, **Abby Vander Linden**, Chet Khadka, Marrissa Harrisson, Steven Lautzenheiser, Marlena Schiller, Lana Vu, Derry McDonald, Freedom Berhe, Sung Park, Judy Carlson, Amanda Solitario, Charlie Boland, **Scott Swan**, Yeyoon Chun, Leanne Swane, Shelly Donohue, Jane Kirkland, Peter Smits, Carrie Glenney, Thomas van Wageningen, Katherine Wayland, Michele Wilson, Jessica Warner, Mary Tang, Stacey Gianas, Ryan Erickson, Alexandria Schroeter, Cameron Pinkham, Declan Richards, James Maveety, Hazel Lozano, Kevin Neal, Jeremy Reidel, Rachel Simon.