

## GREGORY PHILIP WILSON

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### POSITIONS

**Assistant Professor, Department of Biology,** 2007-present  
University of Washington, Seattle

**Adjunct Curator of Vertebrate Paleontology, Burke Museum,** 2008-present  
University of Washington, Seattle

**Adjunct Assistant Professor, Department of Earth and Space Sciences,** 2010-present  
University of Washington, Seattle

**Research Associate, University of California Museum of Paleontology** 2012-present

**Research Associate, Department of Earth Sciences,** 2007-present  
Denver Museum of Nature & Science

**Curator of Vertebrate Paleontology, Department of Earth Sciences,** 2005-2007  
Denver Museum of Nature & Science

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### PROFESSIONAL PREPARATION

**NSF Minority Postdoctoral Research Fellow,** University of Helsinki, 2004-2005  
Dr. Jukka Jernvall, "*An integrative approach to developing and testing diversification models for the early evolutionary radiation of placental mammals*"

**Graduate Student,** University of California, Berkeley, Dr. William A. Clemens 1998-2004  
"*A Quantitative Analysis of Mammalian Change Across the Cretaceous-Tertiary Boundary in Montana*"

**NSF Graduate Research Fellow** 1999-2002

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### EDUCATION

University of California, Berkeley, CA. 1998-2004  
Ph.D. in Integrative Biology, October 2004.

Stanford University, Palo Alto, CA. 1991-1995  
B.A. in Human Biology, May 1995.

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### FUNDING

*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, \$10,000, Wilson: Lead PI.
- The Discoveries in Geosciences (DIG) Field School for K-12 Teachers*  
**Microrhyza 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.
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## PEER-REVIEWED PUBLICATIONS

Research papers (\* corresponding author, graduate student in red, undergraduate in blue)

1. **DeBey, L.B.\*** and **G.P. Wilson\***. *In revision*. Mammalian femora across the Cretaceous-Paleogene boundary in eastern Montana. *Cretaceous Research*.
2. **Tobin, T.S.\***, **G.P. Wilson\***, J.M. Eiler, and J.H. Hartman. *In 2<sup>nd</sup> review*. Temperature decline preceding the K-Pg mass extinction revealed by clumped isotopes. *Geology*.
3. Moore, J.R.\*, **G.P. Wilson**, H.R. Hallock, and D.R. Braman. 2013 (*in press*). Characterization of the Hell Creek–Fort Union contact, Cretaceous-Paleogene boundary and impact-derived “pink” clay horizon at the type section of the Hell Creek Formation, Montana, U.S.A. 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*, Boulder, Colorado.
4. **Wilson, G.P.\***, **D.G. DeMar Jr.**, and **G. Carter**. 2013 (*in press*). Extinction and survival of salamander and salamander-like amphibians across the Cretaceous-Paleogene boundary 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*, Boulder, Colorado.
5. **LeCain, R.**, W. Clyde\*, **G.P. Wilson**, and **J. Riedel**. 2013 (*in press*). 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*, Boulder, Colorado.
6. **Wilson, G.P.\*** 2013 (*in press*). Mammalian extinction, survival, and recovery dynamics across the Cretaceous-Paleogene boundary 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*, Boulder, Colorado.
7. Holroyd, P.A.\*, **G.P. Wilson**, and J.H. Hutchison. 2013 (*in press*). 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*, Boulder, Colorado.
8. **Peacock, B.R.\***, J.A. Wilson, R. Hernández-Rivera, M. Montellano-Ballesteros, and **G.P. Wilson**. 2013 (*in press*). First tyrannosaurid remains from the Upper Cretaceous (upper Campanian) ‘El Gallo’ Formation of Baja California, México. *Acta Palaeontologica Polonica*. Available online 22 Aug 2012 doi: <http://dx.doi.org/10.4202/app.2012.0003>.
9. **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.
10. **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.

11. **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.
12. **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 featured in podcasts, blogs, and web videos.
13. 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.
14. **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.
15. **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.
16. 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).
17. 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.
18. **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.
19. 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*
20. 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.
21. **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.
22. 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.
23. 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.
24. **Wilson, G.P.\***, R.P. Hilton, and E.S. Göhre. 2003. The first Mesozoic mammal from California. *Paleobios* 23(1):20-23.

25. 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.
26. **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.
27. 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.
28. 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.

*Manuscripts in preparation (>75% complete)*

1. **Wilson, G.P.\*** and **P.D. Smits**. Trends in mammalian body size through the Late Cretaceous. *Journal of Mammalian Evolution*.
2. **Chen, M.\***, and **Wilson, G.P.** In prep. Morphometric assessment of ecomorphotypes of Mesozoic mammals using extant small mammals as an analog model. *Paleobiology*.
3. **Wilson, G.P.\***, **D. DeMar, Jr.**, **S. Smith**, P. Holroyd, D. Brinkman, and **T. Tobin**. Differential patterns of evenness in mammals, theropods, turtles, and fish. *Proceedings of the National Academy of Sciences*.
4. **Wilson, G.P.**, E.G. Ekdale, J.W. Hoganson, and **J.J. Caledo**. Skull material of a latest Cretaceous metatherian from North America. *Biology Letters*

*Professional meeting abstracts since arriving at UW in 2008*

*(graduate student in red, undergraduate in blue)*

1. **Smith, S.** and **G.P. Wilson**. 2013. Mammalian dental ecomorphology and disparity across the Cretaceous-Paleogene boundary: a comparison of 3D metrics. *Journal of Vertebrate Paleontology* 33.
2. Renne, P.R., **C.J. Sprain**, **G.P. Wilson**, and W.A. Clemens. 2013. <sup>40</sup>Ar/<sup>39</sup>Ar Geochronology Applied to the Lancian-Torrejonian Interval, Hell Creek Region, Montana. *Journal of Vertebrate Paleontology* 33.
3. **Wilson, G.P.** 2013. Mammals across the K/Pg boundary: Ecological selectivity and immigrant-fueled ecospace filling. 15<sup>th</sup> Annual PaleoFest "The End of the Dinosaurs: Changes in the Late Cretaceous Biosphere Symposium." Burpee Museum of Natural History, Rockford, Illinois, March 2–3, 2013: p. 51. *Invited*.
4. **Wilson, G.P.** and **C.J. Self**. 2013. Mammals across the K/Pg boundary: Ecological selectivity and immigrant-fueled ecospace filling. International Conference on Volcanism, Impacts, and Mass Extinctions: Causes and Effects. The Natural History Museum, London, England, March 27–29, 2013. *Invited*.
5. Wilson, J.A., **G.P. Wilson**, and D.M. Mohabey. 2013. Latest Cretaceous continental vertebrates of Indo-Pakistan. International Conference on Volcanism, Impacts, and Mass Extinctions: Causes and Effects. The Natural History Museum, London, England, March 27–29, 2013. *Invited*.

6. **Wilson, G.P.**, E.G. Ekdale, and J.W. Hoganson. 2012. A partial skull of *Didelphodon vorax* from the Lancian-age Hell Creek Formation of southwestern North Dakota, U.S.A. *Journal of Vertebrate Paleontology* 32:194A.
7. **DeMar, D.G.**, D.J. Varricchio, J.J. Head, J.R. Moore, and **G.P. Wilson**. 2012. A nearly complete fossil iguanian from the Upper Cretaceous (Campanian) Two Medicine Formation of western Montana. *Journal of Vertebrate Paleontology* 32:86A.
8. Clemens, W.A. and **G.P. Wilson**. 2012. Pattern of immigration of purgatoriids and other eutherians into the northern North American Western Interior. *Journal of Vertebrate Paleontology* 32:80A.
9. **DeBey, L.B.**, and **G.P. Wilson**. 2012. Connecting teachers and researchers in the Badlands of Montana: The DIG Field School. *Geological Society of America, Abstracts with Programs* 44:515.
10. Strömberg, C.A.E., **G.P. Wilson**, and J.R. Moore. 2012. Did Late Cretaceous hypsodont gondwanatherian mammals coexist with grasses?: Phytolith records from the Intertrappean Naskal locality, central India. *Geologic Society of America, Abstracts with Programs*.
11. **Vilhena, D.A.**, **E.B. Harris**, C.T. Bergstrom, **M.E. Maliska**, C.A. Sidor, P. Ward, C.A.E. Strömberg, and **G.P. Wilson**. 2012. A molluscan latitudinal selectivity gradient in the end-Cretaceous mass extinction. *Geological Society of America, Abstracts with Programs* 44:185.
12. **Wilson, G.P.**, and **C. Self**. 2012. Changes in mammalian dental complexity across the K-Pg boundary with implications for ecological recovery and expansion. The 31<sup>st</sup> International Union of Biological Sciences General Assembly and Conferences. Lake International Conference Center, Suzhou, China, July 5–9, 2012, *Abstracts with Programs* 43. *Invited*.
13. **Tobin, T.**, J. Eiler, P. Ward, and **G.P. Wilson**. 2011. Reconstructing paleotemperature using clumped isotope paleothermometry across the K-Pg boundary from Garfield County, MT, USA. *Geological Society of America, Abstracts with Programs* 41.
14. **Wilson, G.P.**, and **C. Self**. 2011. Mammalian dental complexity across the Cretaceous-Paleogene boundary with implications for ecological recovery and expansion. *Journal of Vertebrate Paleontology* 31:215A.
15. **Calede, J.**, and **G.P. Wilson**. 2011. The last supper before the impact: Mammalian diets across the Cretaceous-Paleogene boundary. *Journal of Vertebrate Paleontology* 31:82A.
16. **Wilson, G.P.**, and **C. Self**. 2011. Changes in mammalian dental complexity across the K-Pg boundary with implications for ecological recovery and expansion. 15<sup>th</sup> International Symposium on Dental Morphology, Newcastle, England, August 24–27, 2011.
17. **Wilson, G.P.**, **M. Chen**, and M. Montellano. 2011. A new multituberculate skull from the Upper Campanian 'El Gallo' Formation, Baja California, México. *IV Congreso Latinoamericano Paleontología de Vertebrados*. San Juan, Argentina.
18. **Romo de Vivar, P.**, M. Montellano, R. Hernández-Rivera, G. Álvarez, and **G.P. Wilson**. 2011. Algunas consideraciones biogeográficas y biocronológicas de la fauna de la Fm. 'El Gallo', Baja California, México. *IV Congreso Latinoamericano Paleontología de Vertebrados*. San Juan, Argentina.
19. **Smits, P.D.** and **G.P. Wilson**. 2011. Estimates and trends in body size of Laurasian Cretaceous mammals. In: K. Trinajstić, M. Bunce, N. Warburton, C. Hadley, A. Baynes, and M. Siversson (editors), CAVEPS Perth 2011, 13th conference on Australasian Vertebrate Evolution Paleontology and Systematics, April 27th-30th: *Geological Survey of Western Australia, Record* 2011/9, 76p.

20. **Poltenovage, M.**, J.J. Eberle, and **G.P. Wilson**. 2010. PaleOasys: A web-based application for high-resolution tracking, researching, and bidirectional sharing of paleobiological and geological data. *Geological Society of America Abstracts* 42(5):461.
21. **DeMar, D.G.** and **G.P. Wilson**. 2010. Amphibians indicate ecosystem instability prior to and after the K-Pg boundary: Fossil evidence from Garfield County, NE Montana. *Journal of Vertebrate Paleontology* 30(5):81A.
22. **Donohue, S.**, **G.P. Wilson**, and B. Breithaupt. 2010. New latest Cretaceous mammals from the Lance Formation near Black Butte Station, southwestern Wyoming. *Journal of Vertebrate Paleontology* 30(5):83A.
23. **Peecook, B.**, J.A. Wilson, **G.P. Wilson**, R. Hernández, and M. Montellano-Ballesteros. 2010. New tyrannosauroid remains from the Late Cretaceous 'El Gallo' Formation of Baja de California, Mexico. *Journal of Vertebrate Paleontology* 30(5):144A.
24. **Wilson, G.P.** 2010. Mammalian extinction, survival, and recovery dynamics across the Cretaceous-Paleogene boundary in northeastern Montana. *Journal of Vertebrate Paleontology* 30(5):188A.
25. **Berg, L.M.**, and **G.P. Wilson**. 2010. New field course exposes Montana teachers to paleontology in their backyards. Education and Outreach Special Poster Session, Society of Vertebrate Paleontology Annual Meeting, Pittsburgh, PA.
26. **Berg, L.M.**, and **G.P. Wilson**. 2010. New field course exposes Montana teachers to paleontology in their backyards. 2010 National Conference on Science & Technology in Out-of-School Time, Los Angeles, CA.
27. **Burton-Kelly, M.**, Peterson, N., Hartman, J.H., **Wilson, G.P.**, **Riedel, J.A.**, and Rice, A., 2009. Using new, not so old, and traditional geological techniques to interpret geologic section in Cretaceous Hell Creek Formation strata of Montana: *North Dakota Academy of Science (101<sup>st</sup> Annual Meeting, Fargo) Proceedings*, v. 63, p. 80.
28. **Wilson, G.P.** 2009. High-Resolution Mammalian Faunal Dynamics Leading up to and Across the Cretaceous-Tertiary Boundary in Northeastern Montana. 9<sup>th</sup> North American Paleontological Convention Abstracts. *Cincinnati Museum Center Scientific Contributions* 3:149-150.
29. **Carter, G.C.** and **G.P. Wilson**. 2009. Amphibian Paleocommunity Dynamics of the Hell Creek Formation in Northeastern Montana and the Cretaceous-Tertiary Extinction Event. 9<sup>th</sup> North American Paleontological Convention Abstracts. *Cincinnati Museum Center Scientific Contributions* 3:331-332.
30. **Poltenovage, M.A.** and **G.P. Wilson**. 2009. PaleOasys: An Application for High-Resolution Tracking, Reporting, and Analyzing Paleontological Research Activities within the Hell Creek Study System. 9<sup>th</sup> North American Paleontological Convention Abstracts. *Cincinnati Museum Center Scientific Contributions* 3:94.
31. Holroyd, P.A., **G.P. Wilson**, and H.J. Hutchison. 2009. Turtle Diversity through the Latest Cretaceous of the Hell Creek Formation, Montana. 9<sup>th</sup> North American Paleontological Convention Abstracts. *Cincinnati Museum Center Scientific Contributions* 3:145.
32. **LeCain, R.M.**, W.C. Clyde, **G.P. Wilson**, and **J. Riedel**. 2009. Magnetostratigraphy of the Hell Creek and Lower Fort Union Formations in Northeast Montana. 9<sup>th</sup> North American Paleontological Convention Abstracts. *Cincinnati Museum Center Scientific Contributions* 3:137.
33. **Riedel, J.** and **G.P. Wilson**. 2008. Second occurrence of *Nanocuris* (Theria: Nanocuridae) from the uppermost Cretaceous Lance Formation of Wyoming, USA. *Journal of Vertebrate Paleontology* 28(3):132A.

34. Poltenovage, M., G.P. Wilson, and G. Carter. 2008. PaleOasys: An application for high-resolution tracking, reporting, and analyzing paleontological research activities within the Hell Creek study system. *Journal of Vertebrate Paleontology* 28(3):128A.
35. Corfe, I., S. Zohdy, A. Evans, G.P. Wilson, P.C. Wright, and J. Jernvall. 2008. 3-dimensional analysis of dental complexity in high fibre plant feeders. 14<sup>th</sup> International Symposium on Dental Morphology, Greifswald, Germany, August 27-30th.

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## INVITED LECTURES

- 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 31<sup>st</sup> 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

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## TEACHING

- 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, approximately 10 students
- Discoveries in Geosciences (DIG) Field School (BIOA 491)  
Instructor and developer 2011, 2012, 2013
- 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, approximately 24 students
- PaleoLunch Seminar (BIOL 483, 550B)  
Co-developer and co-instructor 2008, 2009, 2010, 2011, 2012, 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).

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## PROFESSIONAL SERVICE

*Cretaceous Research*-Editorial Board (2008-present)

External reviewer for many journals, including *Science*, *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*.

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

Society of Vertebrate Paleontology-co-chair of Development Committee (2012-present), member of Development Committee (2005-2012)

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)

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## UNIVERSITY SERVICE

Paleobiology Minor faculty coordinator (2010-present)

Biology Department Undergraduate Curriculum Committee (2009-present)

Biology Department Ad-Hoc Annual Merit Review Committee (2012)

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## PUBLIC OUTREACH

2013 Mentor for Seattle Pacific University undergraduate mentor program

2013 Scientific consultant for Project Crynosaur  
(<https://www.facebook.com/crynosaurus>), a video game/simulator

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://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 9<sup>th</sup> grade biology curriculum, funded by Gates Foundation
- 2010 Invited Public Lecture for Hell Creek State Park, Jordan, Montana
- 2010-present Co-founder, co-developer, lead instructor of the Discoveries in Geosciences (DIG) Field School, a four-day immersive paleontology and geology field school for K-12 educators in Montana and Washington with continuing curriculum support in the form of DIG traveling boxes with lesson plans, fossils, and geologic samples. Seventeen educators and their classrooms have been reached.
- 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 10<sup>th</sup> Anniversary of the Denver Museum of Nature & Science’s *Prehistoric Journey* exhibit, consisting of eight leading paleontologists.
- 2005 Curator liaison 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

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## FIELD EXPERIENCE

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

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## MENTORSHIP

### Graduate Committee Chair

Ph.D. Students: Meng Chen, Lauren Berg, David DeMar, Jr., Jonathan Calede, Stephanie Smith (all BIOL, all in progress)

### Graduate Committee Member:

Ph.D. Students: Loren Ballanti (2011), Casey Self, Regan Dunn, Adam Huttenlocker, Stephanie Crofts, Elisha Harris, Brandon Peacock, (all BIOL); Tom Tobin (ESS), Misaki Ouchida (Anthropology)

M.S. Students: Emmanuel Ergas (UW, 2009), Rebecca LeCain (Univ. New Hampshire, 2010), Michael Poltenovage (University of Colorado, Boulder, 2010)

### Undergraduate mentor:

Current students: Abby Vander Linden, Chet Khadka, Edite Forman, Garrett Mercier, David Armo, Jennifer Glusman, Cara Skalisky, Mitch Sturtevant, Joseph Fleischman, Morgan Turner, Katelyn Lo, Brody Hovatter, Ursula Belyayev, John McClung, Lauren Johnson, Melinda Gonzales.

Past students: Marrison, 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.