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Education and postgraduate training:

Interdepartmental Research Fellow, Yale University, Departments of Geology & Geophysics and Ecology & Evolutionary Biology (2009 – 2011)
 Lerner-Gray Postdoctoral Research Fellow, American Museum of Natural History (2007 – 2009)
 Ph.D., Paleontology, The University of Texas at Austin (2006)
 M.S., Paleontology, Fort Hays State University (KS) (2000)
 B.S., Biology, Pittsburg State University (KS) (1997) – elected University Outstanding Alumnus (2014)

Current academic appointments:

Assistant Professor, Center for Functional Anatomy and Evolution, The Johns Hopkins University School of Medicine (2016 – present)
 Honorary Senior Research Fellow, Evolutionary Studies Institute, University of the Witwatersrand, Johannesburg, South Africa (2014 – present)
 Research Associate, American Museum of Natural History, Division of Paleontology (2011 – present)

Recent grant activity:

2016 – 2019 NSFC (National Science Foundation of China). **Foreign Collaborator**; Liu Jun (PI). 0.82 million yuan (\$129,000).
 Project title: *Study of the Fossil Tetrapods of the Naobaogou Formation (Permian), Inner Mongolia, China.*

2013 – present NSF-EAR-12-608. **Co-Investigator**; Jonathan Geisler (PI), Brian Beatty (Co-PI). \$276,680.
 Project title: *How Development and Behavior Interact to Change Skull Form: Exploring and Sharing Evolutionary Insights from the Fossil Record of Cetaceans (Whales, Dolphins, and Porpoises).*

2014 – present NSF-DEB-1457181. **Co-PI**; PI, Amy Balanoff; Co-PI, Paul Gignac; Co-PI, Mark Norell; Co-PI. \$521,296.
 Project title: *Unraveling the Deep History of Avian Neurological Complexity: Implications for the Origins of Flight and Organization of the Modern Avian Brain*.

Peer-reviewed papers (published or in press):

*Balanoff, A. M., and **G. S. Bever**. In Press. The role of endocasts in the study of brain evolution. *Evolution of Nervous Systems*, 2nd edition, Jon Kass editor. Elsevier Press, London. *Balanoff and Bever specified as contributing equally as first authors and both are listed as corresponding authors.

Lyson, T. R., T. M. Scheyer, B. Rubidge, K. de Queiroz, E. R. Schachner, R. Smith, J. Botha-Brink, and **G. S. Bever**. Fossorial origin of the turtle shell. *Current Biology* 26: 1887–1894

Bhullar, B.-A.S., Hanson, M., Fabbri, M., Pritchard, A., **Bever, G. S.**, Hoffman, E. How to make a bird skull: major transitions in the evolution of the avian cranium. *Integrative and Comparative Biology*. doi:10.1093/icb/icw069

Bever, G. S. T. R. Lyson, D. J. Field, B.-A. S. Bhullar. The amniote temporal roof and the diapsid origin of the turtle skull. *Zoology*. <http://dx.doi.org/10.1016/j.zool.2016.04.005>

Chen, J., **G. S. Bever**, H. Yi, and M. A. Norell. 2016. New digging frog from the late Paleocene of Mongolia uncovers a deep history of spadefoot (Pelobatoidea) evolution in Asia. *Scientific Reports* 6 (19209): 1–7.

*Balanoff, A. M., **G. S. Bever**, M. W. Colbert, J. A. Clarke, D. J. Field, P. M. Gignac, D. T. Ksepka, R. Ridgely, N. A. Smith, C. Torres, S. Walsh, and L. Witmer. 2015. Best practices for digitally constructing endocranial casts: examples from birds and their dinosaurian relatives. *Journal of Anatomy*. On-line Early View: doi: 10.1111/joa.12378.
 *Balanoff and Bever specified as contributing equally as first authors and both are listed as corresponding authors.

Bever, G. S., T. R. Lyson, D. J. Field, and B.-A. S. Bhullar. 2015. Evolutionary origin of the turtle skull. *Nature* 525: 239–242.

Hill, R. V., M. D'Emic, **G. S. Bever**, and M. A. Norell. 2015. A complex hyobranchial apparatus in a Cretaceous dinosaur and the antiquity of the paraglossalia of birds. *Zoological Journal of the Linnean Society*. On-line Early View: doi: 10.1111/zoj.12293.

- Liu, J., S. Jia, and **G. S. Bever**. 2015. The last diadectomorph sheds light on Late Paleozoic tetrapod biogeography. *Biology Letters* 11: 20150100. doi.org/10.1098/rsbl.2015.0100.
- Balanoff, A., **G. S. Bever**, and M. A. Norell. 2014. Reconsidering the avian nature of the oviraptorosaur brain (Dinosauria: Theropoda). *PLoS ONE* 9(12): e113559. doi:10.1371/journal.pone.0113559.
- Dyke, G., M. Vremir, S. Brusatte, **G. S. Bever**, E. Buffetaut, S. Chapman, Z. Csiki-Sava, A. Kellner, E. Martin, D. Naish, M. Norell, A. Osi, F. Pinheiro, E. Prondvai, M. Rabi, T. Rodrigues, L. Steel, H. Tong, B. V. Nova, and M. Witton. 2014. *Thalassodromeus sebesensis* – a new name for an old turtle. Comment on “*Thalassodromeus sebesensis*, an out of place and out of time Gondwanan tapejarid pterosaur”, Grellet-Tinner and Codrea. *Gondwana Research* 27: 1680–1682.
- Lyson, T. R., E. R. Schachner, J. Botha-Brink, T. M. Scheyer, M. Lambertz, **G. S. Bever**, B. Rubidge, K. de Queiroz. 2014. Origin of the novel ventilatory apparatus of turtles. *Nature Communications* 5: 5211. doi:10.1038/ncomms6211.
- Lyson, T. R., B.-A. S. Bhullar, **G. S. Bever**, W. Joyce, K. de Quieroz, A. Abzhanov, and J. A. Gauthier. 2013. Homology of the enigmatic nuchal bone reveals the novel reorganization of the shoulder girdle in the evolution of the turtle shell. *Evolution & Development* 15: 317–325. Cover art selected for this issue.
- Balanoff, A. M., **G. S. Bever**, T. B. Rowe, and M. A. Norell. 2013. Evolutionary origin of the avian brain. *Nature* 501: 93–96.
- Lyson, T. R., **G. S. Bever**, T. M. Scheyer, A. Y. Hsiang, and J. A. Gauthier. 2013. Evolutionary origin of the turtle shell. *Current Biology* 23: 1–7.
- Bever, G. S.**, S. L. Brusatte, T. D. Carr, X. Xing, A. M. Balanoff, and M. A. Norell. 2013. The braincase anatomy of the Late Cretaceous dinosaur *Alioramus* (Theropoda: Tyrannosauroidae). *Bulletin of the American Museum of Natural History* 810: 1–72.
- Bhullar, B.-A. S., J. M.-Lobon, F. Racimo, **G. S. Bever**, M. A. Norell, T. B. Rowe, and A. Abzhanov. 2012. Birds have pedomorphic dinosaur skulls. *Nature* 487: 223–226.

- Bever, G. S.**, S. L. Brusatte, A. M. Balanoff, and M. A. Norell. 2011. Variation, variability, and the origin of the avian endocranium: Insights from the anatomy of *Alioramus altai* (Tyrannosauria: Theropoda). *PLoS ONE* 6(8): e23393 (1–10).
- Bever, G. S.**, J. A. Gauthier, and G. P. Wagner. 2011. Finding the frame shift: Digit loss, developmental variability, and the origin of the avian hand. *Evolution & Development* 13: 269–279.
- Young, R. L., **G. S. Bever**, Z. Wang, and G. P. Wagner. 2011. Identity of the avian wing digits: Problems resolved and unsolved. *Developmental Dynamics* 240: 1042–1053.
- Gauthier, J. A., S. J. Nesbitt, E. Schachner, **G. S. Bever**, and W. G. Joyce. 2011. The bipedal stem crocodylian *Poposaurus gracilis*: Inferring function in fossils and innovation in archosaur locomotion. *Bulletin of the Peabody Museum of Natural History, Yale University* 52: 107–126.
- Zakrzewski, R. J., and **G. S. Bever**. 2011. Arvicolini (Rodentia) from the Irvingtonian of north-central Kansas, USA. *Palaeontologia Electronica*: 14(3); 37A: 18pp.
- Brusatte, S. L., M. A. Norell, T. D. Carr, G. M. Erickson, J. R. Hutchinson, A. M. Balanoff, **G. S. Bever**, J. N. Choiniere, P. J. Makovicky, and X. Xu. 2010. Tyrannosaur paleobiology: New research on ancient exemplar organisms. *Science* 329: 1481–1485.
- Lyson, T. R., **G. S. Bever**, B.-A. S. Bhullar, W. G. Joyce, and J. A. Gauthier. 2010. Transitional fossils and the origin of turtles. *Biology Letters* 23: 830–833. *Top Ten Most Downloaded Articles 2010 *Biology Letters*.
- Bell, C. J., J. A. Gauthier, and **G. S. Bever**. 2010. Covert biases, circularity, and apomorphies: A critical look at the North American Quaternary herpetofaunal stability hypothesis. *Quaternary International* 217: 30–36.
- Balanoff, A. M., **G. S. Bever**, and T. Ikejiri. 2010. Endocranial morphology of *Apatosaurus* (Dinosauria: Sauropoda) based on computed tomography of a previously undescribed braincase with comments on variation and evolution in sauropod neuroanatomy. *American Museum Novitates* 3677: 1–29.

- Bever, G. S.**, and R. J. Zakrzewski. 2009. A new species of the Miocene leptarctine *Leptarctus* (Carnivora: Mustelidae) from the Early Hemphillian of Kansas. In L. B. Albright III (editor), Papers on Geology, Vertebrate Paleontology, and Biostratigraphy in Honor of Michael O. Woodburne. *Museum of Northern Arizona Bulletin* 65: 465–481.
- Bever, G. S.** 2009. Postnatal ontogeny of the skull in the extant North American turtle *Sternotherus odoratus* (Cryptodira: Kinosternidae). *Bulletin of the American Museum of Natural History* 330: 1–97.
- Bhullar, B.-A., and **G. S. Bever**. 2009. An archosaur-like laterosphenoid in early turtles (Reptilia: Pantestudines). *Breviora of the Museum of Comparative Zoology, Harvard University* 518: 1–11.
- Brusatte, S. L., T. D. Carr, G. M. Erickson, **G. S. Bever**, and M. A. Norell. 2009. A long-snouted, multihorned tyrannosaurid from the Late Cretaceous of Mongolia. *Proceedings of the National Academy of Sciences, USA* 106: 17261–17266.
- Bever, G. S.**, and M. A. Norell. 2009. The perinate skull of *Byronosaurus* (Troodontidae) with observations on the cranial ontogeny of paravian theropods. *American Museum Novitates* 3657: 1–51.
- Norell, M. A., P. J. Makovicky, **G. S. Bever**, A. M. Balanoff, J. M. Clark, R. Barsbold, and T. Rowe. 2009. A review of the Mongolian Cretaceous dinosaur *Saurornithoides* (Troodontidae: Theropoda). *American Museum Novitates* 3654: 1–63.
- Bever, G. S.** 2009. The postnatal skull of the extant turtle *Pseudemys texana* (Cryptodira: Emydidae) with comments on the study of discrete intraspecific variation. *Journal of Morphology* 270: 97–128.
- Bever, G. S.**, T. E. Macrini, and C. N. Jass. 2008. A natural endocranial cast of a fossil proboscidean with comments on elephant endocranial evolution and the scientific value of ‘no data’ specimens. In G. H. Farley, and J. R. Choate (editors), Unlocking the Unknown: Papers Honoring Dr. Richard J. Zakrzewski. *Fort Hays Studies, Special Issue* 1: 11–22.
- Liggett, G. A., and **G. S. Bever**. 2008. The Sternberg Elephant Quarry near Pendennis, Lane County, Kansas: the forgotten mammoth site. In G. H. Farley, and J. R. Choate (editors),

- Unlocking the Unknown: Papers Honoring Dr. Richard J. Zakrzewski. *Fort Hays Studies, Special Issue 1*: 131–143.
- Bever, G. S.** 2008. Comparative postnatal growth in the skull of the extant North American turtle *Pseudemys texana* (Cryptodira: Emydidae). *Acta Zoologica (Stockholm)* 89: 107–131.
- Bell, C. J., and **G. S. Bever**. 2006. Description and significance of the *Microtus* (Rodentia: Arvicolinae) from the type Irvington Fauna, Alameda County, California. *Journal of Vertebrate Paleontology* 26: 371–380.
- Bever, G. S.** 2005. Variation in the ilium of North American *Bufo* (Lissamphibia; Anura) and its implications for the species-level identification of fragmentary anuran fossils. *Journal of Vertebrate Paleontology* 25: 548–560.
- Bever, G. S.** 2005. Morphometric variation in the cranium and dentition of *Canis latrans* and *Canis lepophagus* (Carnivora: Canidae) and its implications for the identification of isolated fossil specimens. *Southwestern Naturalist* 50: 42–56.
- Bever, G. S.**, C. J. Bell, and J. A. Maisano. 2005. The ossified braincase and cephalic osteoderms of the Chinese crocodile lizard, *Shinisaurus crocodilurus* (Squamata: Anguimorpha). *Palaeontologia Electronica* 8(1): 1–36.
- Bever, G. S.**, T. Rowe, E. G. Ekdale, T. E. Macrini, M. W. Colbert, and A. M. Balanoff. 2005. Comment on “Independent origins of middle ear bones in monotremes and therians” (I). *Science* 309: 1492a.
- Bever, G. S.**, and W. G. Joyce. 2005. Dermochelyidae – Lederschildkröten. In U. Fritz (editor), *Handbuch der Reptilien und Amphibien Europas, Band 3/IIIB: Schildkröten (Testudines) II*; pp. 235–248. AULA-Verlag, Wiebelsheim.
- Joyce, W. G., and **G. S. Bever**. 2005. Cheloniidae – Seesschildkröten. In U. Fritz (ed.), *Handbuch der Reptilien und Amphibien Europas, Band 3/IIIB: Schildkröten (Testudines) II*; pp. 13–24. AULA-Verlag, Wiebelsheim.

Bever, G. S. 2003. A new record of *Bassariscus ogallalae* (Carnivora: Procyonidae) from the Ogallala Group (Miocene) of Ellis County, Kansas, with comments on variation within *Bassariscus*. *Southwestern Naturalist* 48(2): 249–256.

Invited Essays:

Bever, G. S. 2016. Swimming out from an evolutionary shadow. *Laboratory News* (UK), January 2016, pp. 22–24.

Bever, G. S., and C. J. Bell. 2006. J. Stuart Thomson and the Anatomy of the Tortoise; pp. v–viii, in the reprinted edition of J. Stuart Thomson (1932) *Anatomy of the Tortoise*. Bibliomania, Salt Lake City, Utah. 129 pp.

Invited lectures:

- 2016 *Science along the stem: New perspectives from deep time on the origin and early evolution of phenotypes*. Plenary Speaker, 109th Annual Meeting of the German Zoological Society, Kiel, Germany (September) (9-16).
- 2015 *The origin and early evolution of phenotypes: New perspectives from deep time*. Center for Functional Anatomy and Evolution, Johns Hopkins University School of Medicine (12-11).
- 2015 *Homoplasy, variability, and the early evolution of phenotypes: Perspectives from deep time*. Department of Anatomical Sciences, Paleobiology Seminar Series, Stony Brook University School of Medicine (11-3).
- 2015 *Chasing the origins of amniote structural diversity*. Keynote Address, Annual Meeting of the Kansas Academy of Sciences, Pittsburg, KS (3-28).
- 2014 *Deep history of the amniote skull and the origin of turtles*. Department of Biology Millersville University (12-4).
- 2013 *Evolutionary origins of the avian body plan: New investigations in the dinosaur-bird transition*. Department of Biology, Millersville University (11-13).
- 2013 *On the trail of major evolutionary transitions*. Department of Biology, Pittsburg State University (10-4).
- 2013 *Paleontology and the evolution of anatomical form*. Kaunas Technological University, Kaunas, Lithuania (5-10).
- 2010 *Evolving variability and the paradox of avian digit identity*. Department of Geology & Geophysics, Yale University (11-11).
- 2010 *Hot wings and turtle soup: Integrative approaches to complex problems in vertebrate anatomy*. Department of Anatomy, New York Institute of Technology, College of Osteopathic Medicine (9-10).
- 2010 *Variation, variability, and the origin of the avian hand*. Frontiers in Paleontology and Geomicrobiology Symposium, Yale University (5-15).

2006 *Variation in the vertebrate skeleton and its paleontological implications*. Technical Sessions Seminar Series, Department of Geological Sciences, The University of Texas at Austin (4-6).

Published abstracts and meeting presentations (* indicates platform session):

- ***Bever, G. S.** 2016. Evolution, development, and integration of the vertebrate brain and skull: Frontiers in neuroscience and paleontology. International Congress on Vertebrate Morphology, Bethesda, Maryland.
- ***Bever, G. S.** 2015. Conserved variability and the vertebrate fossil record: Implications for evolutionary patterns and problems in deep time. 75th Annual Meeting of the Society of Vertebrate Paleontology, Dallas, Texas.
- ***Bever, G. S.,** T. R. Lyson, and B.-A. S. Bhullar. 2014. Fossil evidence for a diapsid origin of the anapsid turtle skull. 74th Annual Meeting of the Society of Vertebrate Paleontology, Berlin, Germany.
- Liu, J., X.-W. Li, **G. S. Bever,** Li Xu, and S.-H. Jia. 2014. The Jiyuan tetrapod fauna of the Upper Permian of China. 74th Annual Meeting of the Society of Vertebrate Paleontology, Berlin, Germany.
- *Lyson, T. R., E. R. Schachner, J. Botha-Brink, T. M. Scheyer, M. Lambertz, **G. S. Bever,** B. Rubidge, K. de Queiroz. 2014. Origin of the novel ventilatory apparatus of turtles. 74th Annual Meeting of the Society of Vertebrate Paleontology, Berlin, Germany.
- ***Bever, G. S.,** and T. R. Lyson. 2014. Cranial evolution and the origin of turtles: insights from *Eunotosaurus africanus*. 73rd Annual Meeting of the Society of Vertebrate Paleontology, Los Angeles, CA.
- *Balanoff, A. M., **G. S. Bever,** and M. A. Norell. 2014. The relationships of oviraptorosaurid dinosaurs and endocranial evolution along a morphologically bizarre lineage. 73rd Annual Meeting of the Society of Vertebrate Paleontology, Los Angeles, CA.
- *Bhullar, B. A. S., J. Marugán-Lobón, F. Racimo, **G. S. Bever,** T. Rowe, M. Norell, and A. Abzhanov. 2013. Frontiers in the evolution and development of the reptilian skull. International Congress on Vertebrate Morphology, Barcelona, Spain.
- *Lyson, T. R., **G. S. Bever,** T. M. Scheyer, A. Y. Hsiang, and J. A. Gauthier. 2013. The deep history of the turtle shell: integrating fossil and developmental data. International Congress on Vertebrate Morphology. Barcelona, Spain.
- *Bever GS, Lyson TR. *Eunotosaurus africanus* and the evolutionary origin of the turtle skull. International Congress on Vertebrate Morphology, July 13th, Barcelona, Spain.
- *Chen, J., **G. S. Bever,** H. Yi, and M. A. Norell. 2013. Spade for digging? A study of the fossil spadefoot toads of Asia. Platform Session, Northeast Regional Symposium, New York Institute of Technology, College of Osteopathic Medicine.
- ***Bever, G. S.** 2012. Conserved variability and the fossil record: Implications for evolutionary patterns and problems in deep time. 4e Colloque Cuvier sur la paléontologie des vertébrés. Musée de Cuvier, Montébeliard, France. October 2012.

- ***Bever, G. S.**, T. R. Lyson, B.-A. S. Bhullar. 2012. The quadratamaxillary ligament and its implications for the evolution of cranial fenestration in reptiles. *Journal of Vertebrate Paleontology* 32 (supplement to number 3): 36A. 72nd Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.
- *Balanoff, A. B., **G. S. Bever**, T. Rowe, and M. A. Norell. 2012. The origin of the avian brain based on a volumetric analysis of endocranial evolution in Coelurosauria. *Journal of Vertebrate Paleontology* 32 (supplement to number 3): 35A. 72nd Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.
- ***Bever, G. S.** 2012. The quadratamaxillary ligament: Implications for cranial fenestration in reptiles. Northeast Regional Symposium on Evolutionary Vertebrate Morphology, New York Institute of Technology, College of Osteopathic Medicine.
- *Lyson, T. R., **G. S. Bever**, T. M. Scheyer, A. Y. Hsiang, and J. A. Gauthier. 2012. Evolutionary developmental model for the origin of the turtle shell. Symposium on Turtle Evolution, Tübingen, Germany.
- *Lyson, T. R., **G. S. Bever**, T. M. Scheyer, A. Y. Hsiang, and J. A. Gauthier. 2012. Evolutionary developmental model for the origin of the turtle shell. 7th World Congress of Herpetology, Vancouver, Canada.
- *Lyson, T. R., **G. S. Bever**, T. M. Scheyer, A. Y. Hsiang, and J. A. Gauthier. 2012. Evolutionary developmental model for the origin of the turtle shell. Biennial Conference of the Palaeontological Society of Southern Africa, Cape Town, South Africa.
- *Bhullar, B.-A. S., **G. S. Bever**, J. W. Merck, Jr., T. Lyson, and J. A. Gauthier. 2011. Uniting microevolution and macroevolution in deep time: The zone of variability in Archosauromorpha. *Journal of Vertebrate Paleontology* 31 (supplement to number 3): 38A. 71st Annual Meeting of the Society of Vertebrate Paleontology, Las Vegas, NV.
- *Lyson, T. R., B.-A. Bhullar, **G. S. Bever**, W. G. Joyce, and J. A. Gauthier. 2010. Vertical split of the turtle shoulder girdle pushes the limits of muscular scaffold homology. *Journal of Vertebrate Paleontology* 30 (supplement to number 3): 108A. 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.
- *Lyson, T. R., B.-A. Bhullar, **G. S. Bever**, W. G. Joyce, and J. A. Gauthier. 2010. Vertical split of the turtle shoulder girdle pushes the limits of muscular scaffold homology. 9th International Congress on Vertebrate Morphology, Punta del Este, Uruguay.
- ***Bever, G. S.**, S. L. Brusatte, T. D. Carr, and M. Norell. 2009. The braincase of a new tyrannosaurid from the Late Cretaceous of Mongolia. *Journal of Vertebrate Paleontology* 29 (supplement to number 3): 52B. 69th Annual Meeting of the Society of Vertebrate Paleontology and 57th Symposium of Vertebrate Paleontology and Comparative Anatomy, Bristol, England.
- *Bhullar, B. -A. S., G. Pauly, C. A. Scanferla, **G. S. Bever**, and K. T. Smith. 2009. The first fossil sunbeam snake and the antiquity of modern snake clades. *Journal of Vertebrate Paleontology* 29 (supplement to number 3): 63A. 69th Annual Meeting of the Society of Vertebrate Paleontology and 57th Symposium of Vertebrate Paleontology and Comparative Anatomy, Bristol, England.

- *Norell, M. A., S. L. Brusatte, T. D. Carr, **G. S. Bever**, and G. M. Erickson. 2009. A remarkable long-snouted multi-horned tyrannosaurid from the Late Cretaceous of Mongolia. *Journal of Vertebrate Paleontology* 29 (supplement to number 3): 124B. 69th Annual Meeting of the Society of Vertebrate Paleontology and 57th Symposium of Vertebrate Paleontology and Comparative Anatomy, Bristol, England.
- ***Bever, G. S.**, and M. A. Norell. 2008. Neonate troodontid skulls from the Upper Cretaceous of Mongolia with observations on the cranial ontogeny of paravian theropods. *Journal of Vertebrate Paleontology* 28 (supplement to number 3): 52B. 68th Annual Meeting of the Society of Vertebrate Paleontology, Cleveland, OH.
- *Balanoff, A. M., **G. S. Bever**, T. Rowe, and M. A. Norell. 2008. The endocranial morphology of oviraptorosaurs and a reinterpretation of their encephalization quotients. *Journal of Vertebrate Paleontology* 28 (supplement to number 3): 47A. 68th Annual Meeting of the Society of Vertebrate Paleontology, Cleveland, OH.
- *Bhullar, B.-A. S., C. A. Scanferla, **G. S. Bever**, and K. T. Smith. 2008. A nearly complete macrostomatan snake from the Eocene of Texas. *Journal of Vertebrate Paleontology* 28 (supplement to number 3): 52B. 68th Annual Meeting of the Society of Vertebrate Paleontology, Cleveland, OH.
- Liggett, G., and **G. S. Bever**. 2008. The forgotten mammoth site: The Sternberg Elephant Quarry in Lane County, Kansas. *Journal of Vertebrate Paleontology* 28 (supplement to number 3): 106A.
- ***Bever, G. S.** 2007. Variation, variability, and probability in assessing the evolutionary history of fossil vertebrates based on discrete skeletal characters. *Journal of Vertebrate Paleontology* 27 (supplement to number 3): 48A. Romer Prize Session Speaker, 67th Annual Meeting of the Society of Vertebrate Paleontology, Austin, TX.
- Norell, M. A., and **G. S. Bever**. 2007. The braincase of *Gallimimus bullatus* (Coelurosauria: Ornithomimidae). *Journal of Vertebrate Paleontology* 27 (supplement to number 3): 124B.
- Bever, G. S.** 2005. *Echmatemys* and the evolution of the braincase in testudinoid turtles. *Journal of Vertebrate Paleontology* 25 (supplement to number 3): 37A.
- Zakrzewski, R. J., and **G. S. Bever**. 2005. Microtids from the Fiene local fauna (Irvingtonian) of Smith County, Kansas. *Journal of Vertebrate Paleontology* 25 (supplement to number 3): 133A.
- Balanoff, A. M., T. Ikejiri, and **G. S. Bever**. 2005. Endocranial morphology of diplodocid sauropods. *Journal of Vertebrate Paleontology* 25 (supplement to number 3): 33A.
- ***Bever, G. S.** 2004. Variation in the skull of extant turtles: implications for the fossil record. *Journal of Vertebrate Paleontology* 24 (supplement to number 3): 38–39A. 64th Annual Meeting of the Society of Vertebrate Paleontology, Denver, CO.
- Bell, C. J., and **G. S. Bever**. 2004. *Microtus* from the Irvington fauna, Alameda County, California. *Journal of Vertebrate Paleontology* 24 (supplement to number 3): 38A.
- ***Bever, G. S.** 2004. Variation, diversity, and the identification of isolated fossil elements: warnings from the ilium of North American *Bufo*. Wilks Award Session Speaker, 51st Annual Meeting of the Southwestern Association of Naturalists, San Antonio, Texas.

- ***Bever, G. S.**, C. J. Bell, and J. H. Hutchison. 2003. Fossil hinged emydines of North America: reading the record. *Journal of Vertebrate Paleontology* 23 (supplement to number 3): 34A. 63rd Annual Meeting of the Society of Vertebrate Paleontology, St. Paul, Minnesota.
- ***Bever, G. S.**, and A. M. Balanoff. 2003. Digital preparation of an emydid turtle from the Miocene (Clarendonian) of Nebraska with a review of the fossil hinged emydid turtles of Kansas and Nebraska. 135th Annual Meeting of the Kansas Academy of Science Meeting, Pittsburg.
- ***Bever, G. S.** 2002. Variation in the anuran ilium and its implications for species-level identification of fragmentary fossil specimens. *Journal of Vertebrate Paleontology* 22 (supplement to number 3): 36A. 62nd Annual Meeting of the Society of Vertebrate Paleontology, Norman, OK.
- Ruez, D. R. Jr., **G. S. Bever**, and C. N. Jass. 2002. Holocene mammal fauna from Eagle Cave, Val Verde County, Texas. 105th Annual Meeting of the Texas Academy of Science Meeting, Laredo.
- Bever, G. S.** 2001. Craniodental variation in *Canis latrans* and *Canis lepophagus*: what can we do with fragmentary specimens? *Journal of Vertebrate Paleontology* 21 (supplement to number 3): 34A.
- Ikejiri, T., and **G. S. Bever**. 2000. Variation in *Camarasaurus* (Dinosauria, Sauropoda) from the Morrison Formation of central Wyoming. 132nd Annual Meeting of the Kansas Academy of Science, Hutchinson 19: 21.
- *Liggett, G. L. and **G. S. Bever**. 2000. Have we rediscovered the Sternberg Elephant Quarry? 132nd Annual Meeting of the Kansas Academy of Science, Hutchinson 19: 30.
- *Liggett, G. L. and **G. S. Bever**. 2000. The Pratt mammoth excavation. 132nd Annual Meeting of the Kansas Academy of Science, Hutchinson 19: 31.
- ***Bever, G. S.**, Zakrzewski, R. J., and R. L. Levin. 1999. New late Pleistocene local fauna from north-central Kansas. *Journal of Vertebrate Paleontology* 19 (supplement to number 3): 32A.
- ***Bever, G. S.**, Zakrzewski, R. J., and R. L. Levin. 1999. New late Pleistocene local fauna from Smith County, Kansas. 131st Annual Meeting of the Kansas Academy of Science, Manhattan 18: 22.

Awards and honors:

- 2014 Kenneth K. Bateman Outstanding Alumnus, Pittsburg State University.
- 2009 Research Fellowship, Yale University.
- 2005 Outstanding Graduate Student in the Dept. of Geological Sciences, The University of Texas at Austin. Awarded by Houston Geological Association.
- 2004 ConocoPhillips Professional Development Award.
- 2004 Brett Stearns Award, California Academy of Sciences. Project title: "Skeletal variation in *Emys marmorata*."

- 2004 Student Research Award, Texas Academy of Science. Project title: “Cranial osteology of the Eocene pond turtle *Echmatemys* and the early history of crown Testudinoidea.”
- 2003 Jurassic Foundation, Research Award (with Takehito Ikejiri, Univ. of Michigan). Project title: “Endocranial morphology of *Apatosaurus* (Dinosauria: Sauropoda).”
- 2003 Brundrett Endowed Presidential Scholarship. Dept. of Geological Sciences, The University of Texas at Austin.
- 2002 Brundrett Endowed Presidential Scholarship. Dept. of Geological Sciences, The University of Texas at Austin.
- 2002 Ronald K. DeFord Field Scholarship. Dept. of Geological Sciences, The University of Texas at Austin.
- 2002 Arno P. Wendler Professional Development Award. Dept. of Geological Sciences, The University of Texas at Austin.
- 2001 Arno P. Wendler Professional Development Award. Dept. of Geological Sciences, The University of Texas at Austin.
- 1999 Eugene Dehner Award, Kansas Academy of Science.
- 1999 Student Presentation Award, Kansas Geological Association.
-

Mentoring, thesis committees:

- 2015 – present Elizabeth Ferrer, post-doctoral scholar, AMNH. Neuroanatomical evolution in birds and their dinosaurian relatives, evolution of variability.
- 2016 Jianye Chen, Doctoral dissertation examining committee member. Columbia University. Dissertation Title: *Evolution and biogeography of frogs and salamanders, inferred from fossils, morphology and molecules*
- 2013 Hong-yu Yi. Doctoral dissertation examining committee member. Columbia University. Dissertation Title: *The Snake Inner Ear: Indicators For Fossil Locomotion Developed From A Comparative Dataset In Modern Species.*
-

Other professional activities:

Symposium Organization and Societal Service:

- 2016 Symposium Organizer, 2016 International Congress of Vertebrate Morphology (Bethesda, MD). Symposium title: *Evolution, development, and integration of the vertebrate brain and skull.*
- 2008, 2013-2015 Session Moderator, Annual Meeting of the Society of Vertebrate Paleontology.

Ad hoc reviewer for the following journals:

Acta Zoologica (Stockholm), Bibliotheca Herpetologica, Biological Reviews, Bulletin of the Peabody Museum of Natural History Yale University), Contributions to Zoology, Herpetological Review, International Journal of Developmental Neuroscience, Journal of Experimental Zoology (Molecular and Developmental Evolution), Journal of Anatomy, Journal of Mammalogy, Journal of Morphology, Journal of Vertebrate Paleontology, Nature, Neues für Geologie und Paläontologie (Abhandlungen), Northwest Science, Palaeontology, PeerJ, PLoS ONE, Science, Zoomorphology.

Paleontological Field work:

- 2011 – 2015 Morrison Formation at Fruita, CO, Late Jurassic small-bodied tetrapod fossils
 2014 Las Hoyas, Spain (with Universidad Autonoma de Madrid), Early Cretaceous vertebrate fossils
 2011 – 2013 Karoo Basin, South Africa (with Evolutionary Studies Institute, University of the Witwatersrand), Permian vertebrate fossils
 2008 – 2009 Gobi Desert, Mongolia (joint expedition of American Museum of Natural History and Mongolian Academy of Sciences), Cretaceous vertebrate fossils
 2007 Gansu Province, China (joint expedition of American Museum of Natural History, Field Museum of Natural History, and Peking University), Cretaceous vertebrate fossils
 2005 – 2006 Chinle Formation, Arizona; Triassic vertebrate fossils
 2004 Black Rock Desert, Nevada, Miocene vertebrate fossils
 1997 – 2000 Niobrara and Ogallala Formations, and various Pleistocene deposits in Colorado, Kansas, Nebraska, Oklahoma, and South Dakota.

Society Memberships

- Society of Vertebrate Paleontology (1997 – present)
 American Association of Anatomists (2011 – present)
 Society for Integrative and Comparative Biology (2011 – present)