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EDUCATION

2008 Ph.D., Anatomical Sciences, Stony Brook University, New York.
 2003 B.Sc., Geology, South Dakota School of Mines and Technology, Rapid City.

PROFESSIONAL EXPERIENCE

2015 – present Director of Research and Collections, Raymond M. Alf Museum of Paleontology, Claremont, California.
 2008 – present Augustyn Family Curator, Raymond M. Alf Museum of Paleontology, Claremont, California. Implementing field- and museum-based research program, curating paleontological collections, assisting in exhibit redesign, supervising volunteers and assistant curators, managing website and social media, engaging in public outreach.
 2008 – present Instructor, Science Department, The Webb Schools, Claremont, California. Teaching classes in paleontology in collaboration between high school and museum.
 2006 Instructor, Occupational Therapy Program, College of Health Related Professions, State University of New York Downstate, Brooklyn. Taught lecture and dissection-based lab in human gross anatomy for the portions of the course concerning the trunk and lower limbs.
 2004 – 2005 Graduate Teaching Assistant, Department of Anatomical Sciences, School of Medicine, Stony Brook University, New York. Taught dissection-based lab section of gross human anatomy for two semesters, to first-year medical students.
 1999 – 2003 Paleontology Laboratory, Museum of Geology, South Dakota School of Mines and Technology, Rapid City. Assisted in basic paleontological lab techniques, such as mechanical preparation, microfossil picking, latex molding, plaster and epoxy casting, and curation of specimens.
 2000 Department of Entomology, National Museum of Natural History, Washington D.C. Research Training Program intern. Collected taxonomic and geographic data from spider specimens for project on estimating species diversity.

EXTERNAL APPOINTMENTS

2015 – present Research Associate, Dinosaur Institute, Natural History Museum of Los Angeles County, California.
 2014 – present Affiliated Research Associate, Vertebrate Paleontology, Sam Noble Oklahoma Museum of Natural History, Norman.

COURSES TAUGHT

2008 – present Science Department, The Webb Schools, Claremont, California
 Introduction to Paleontology (lead instructor)
 Honors Museum Research (lead instructor)
 Advanced Studies in Paleontology (co-instructor)
 2007 Department of Anatomical Sciences, Stony Brook University, New York
 Research in the Anatomical Sciences (HBA 399; supervisor)

- 2006 Occupational Therapy Program, College of Health Related Professions, State University of New York Downstate, Brooklyn
Human Gross Anatomy (ANAT-5001; instructor)
- 2004 – 2005 Department of Anatomical Sciences, School of Medicine, Stony Brook University, New York Human Gross Anatomy (HBA 531; graduate teaching assistant), lab

RESEARCH INTERESTS

Functional morphology and evolution of vertebrate cranial pneumatic sinuses
Cranial functional morphology and systematics of ceratopsian dinosaurs
Functional morphology of bovid mammal skulls and horns
Cretaceous terrestrial ecosystems of North America
Digitization of fossil specimens
Paleopathology

PUBLICATIONS

- Bishop, P. J., S. A. Hocknull, C. J. Clemente, J. R. Hutchinson, **A. A. Farke**, R. S. Barrett, and D. G. Lloyd. 2018a. Cancellous bone and theropod dinosaur locomotion. Part III—Inferring posture and locomotor biomechanics in extinct theropods, and its evolution on the line to birds. *PeerJ* 6:e5777.
- Bishop, P. J., S. A. Hocknull, C. J. Clemente, J. R. Hutchinson, **A. A. Farke**, B. R. Beck, R. S. Barrett, and D. G. Lloyd. 2018b. Cancellous bone and theropod dinosaur locomotion. Part I—an examination of cancellous bone architecture in the hindlimb bones of theropods. *PeerJ* 6:e5778.
- Knapp, A., R. J. Knell, **A. A. Farke**, M. A. Loewen, and D. W. E. Hone. 2018. Patterns of divergence in the morphology of ceratopsian dinosaurs: sympatry is not a driver of ornament evolution. *Proceedings of the Royal Society B* 285:20180312.
- Maiorino, L., **A. A. Farke**, T. Kotsakis, P. Raia, and P. Piras. 2018. Who is the most stressed? Morphological disparity and mechanical behavior of the feeding apparatus of ceratopsian dinosaurs (Ornithischia, Marginocephalia). *Cretaceous Research* 84:483–500.
- Farke, A. A.**, and G. E. Phillips. 2017. The first reported ceratopsid dinosaur from eastern North America (Owl Creek Formation, Upper Cretaceous, Mississippi, USA). *PeerJ* 5:e3342.
- Luebbers, C., E. Chu, and **A. A. Farke**. 2017. A preliminary restudy of felid footprints housed at the Alf Museum from the Barstow Formation (Miocene) of southern California; pp. 239–241 in R. E. Reynolds (ed.), *ECSZ Does It; Revisiting the Eastern California Shear Zone; Proceedings of the 2017 Desert Research Symposium*. California State University, Desert Studies Center, Fullerton.
- Maiorino, L., **A. A. Farke**, T. Kotsakis, and P. Piras. 2017. Macroevolutionary patterns in cranial and lower jaw shape of ceratopsian dinosaurs (Dinosauria, Ornithischia): phylogeny, morphological integration, and evolutionary rates. *Evolutionary Ecology Research* 18:123–167.
- Hone, D. W. E., **A. A. Farke**, and M. J. Wedel. 2016. Ontogeny and the fossil record: what, if anything, is an adult dinosaur? *Biology Letters* 12:20150947.
- Maiorino, L., **A. A. Farke**, T. Kotsakis, and P. Piras. 2015. Males resemble females: re-evaluating sexual dimorphism in *Protoceratops andrewsi* (Neoceratopsia, Protoceratopsidae). *PLoS ONE* 10:e0126464.
- Maiorino, L., **A. A. Farke**, T. Kotsakis, L. Teresi, and P. Piras. 2015. Variation in the shape and mechanical performance of the lower jaws in ceratopsid dinosaurs (Ornithischia, Ceratopsia). *Journal of Anatomy* 227:631–646.
- Duque, T. T., S. J. Rapoport, and **A. A. Farke**. 2014. Digitizing ichnotypes from the Cenozoic of the southwestern United States at the Raymond M. Alf Museum of Paleontology; pp. 144–149 in R. E. Reynolds (ed.), *Not a Drop Left to Drink; Proceedings of the 2014 Desert Research Symposium*. California State University, Desert Studies Center, Fullerton.
- Farke, A. A.** 2014. Evaluating combat in ornithischian dinosaurs. *Journal of Zoology* 292:242–249.

- Farke, A. A.**, and L. Herrero. 2014. Variation in the skull roof of the hadrosaur *Gryposaurus* illustrated by a new specimen from the Kaiparowits Formation (late Campanian) of southern Utah; pp. 191–199 in Eberth, David A. and D. C. Evans (eds.), *Hadrosaurs*. Indiana University Press, Bloomington.
- Farke, A. A.**, W. D. Maxwell, R. L. Cifelli, and M. J. Wedel. 2014. A ceratopsian dinosaur from the Lower Cretaceous of western North America, and the biogeography of Neoceratopsia. *PLoS ONE* 9:e112055.
- Farke, A. A.**, M. M. Henn, S. J. Woodward, and H. A. Xu. 2014. *Leidyosuchus* (Crocodylia: Alligatoroidea) from the Upper Cretaceous Kaiparowits Formation (late Campanian) of Utah, U.S.A. *PaleoBios* 30:72–88.
- Hone, D. W. E., **A. A. Farke**, M. Watabe, S. Shigeru, and K. Tsogtbaatar. 2014. A new mass mortality of juvenile *Protoceratops* and size-segregated aggregation behaviour in juvenile non-avian dinosaurs. *PLoS ONE* 9:e113306.
- Mallon, J. C., R. Holmes, J. S. Anderson, **A. A. Farke**, and D. C. Evans. 2014. New information on the rare horned dinosaur *Arrhinoceratops brachyops* (Ornithischia: Ceratopsidae) from the Upper Cretaceous of Alberta, Canada. *Canadian Journal of Earth Sciences* 51:618–634.
- Stidham, T. A., D. Lofgren, **A. A. Farke**, M. Paik, and R. Choi. 2014. A lithornithid (Aves: Palaeognathae) from the Paleocene (Tiffanian) of southern California. *PaleoBios* 31:1–6.
- Farke, A. A.**, and J. J. W. Sertich. 2013. An abelisauroid theropod dinosaur from the Turonian of Madagascar. *PLoS ONE* 8:e62047.
- Farke, A. A.**, and C. A. Wilridge. 2013. A possible pterosaur wing phalanx from the Kaiparowits Formation (late Campanian) of southern Utah, USA. *PalArch's Journal of Vertebrate Palaeontology* 10(2):1–6.
- Farke, A. A.**, D. J. Chok, A. Herrero, B. Scolieri, and S. Werning. 2013. Ontogeny in the tube-crested dinosaur *Parasaurolophus* (Hadrosauridae) and heterochrony in hadrosaurids. *PeerJ* 1:e182.
- Loewen, M. A., **A. A. Farke**, S. D. Sampson, M. A. Getty, E. K. Lund, and P. M. O'Connor. 2013. Ceratopsid dinosaurs from the Grand Staircase of southern Utah; pp. 488–503 in A. L. Titus and M. A. Loewen (eds.), *At the Top of the Grand Staircase: The Late Cretaceous of Southern Utah*. Indiana University Press, Bloomington.
- Maiorino, L., **A. A. Farke**, T. Kotsakis, and P. Piras. 2013. Is *Torosaurus Triceratops*? Geometric morphometric evidence of Late Maastrichtian ceratopsid dinosaurs. *PLoS ONE* 8:e81608.
- Maiorino, L., **A. A. Farke**, P. Piras, M. J. Ryan, K. M. Terris, and T. Kotsakis. 2013. The evolution of squamosal shape in ceratopsid dinosaurs (Dinosauria, Ornithischia). *Journal of Vertebrate Paleontology* 33:1385–1393.
- Marugán-Lobón, J., L. M. Chiappe, and **A. A. Farke**. 2013. The variability of inner ear orientation in saurischian dinosaurs: testing the use of semicircular canals as a reference system for comparative anatomy. *PeerJ* 1:e124.
- Sampson, S. D., E. K. Lund, M. A. Loewen, **A. A. Farke**, and K. E. Clayton. 2013. A remarkable short-snouted horned dinosaur from the Late Cretaceous (late Campanian) of southern Laramidia. *Proceedings of the Royal Society B: Biological Sciences* 280.
- Zanno, L. E., M. A. Loewen, **A. A. Farke**, G.-S. Kim, L. P. A. M. Claessens, and C. T. McGarrity. 2013. Late Cretaceous theropod dinosaurs of southern Utah; pp. 504–525 in A. L. Titus and M. A. Loewen (eds.), *At the Top of the Grand Staircase: The Late Cretaceous of Southern Utah*. Indiana University Press, Bloomington.
- Doube, M., S. C. W. Yen, M. M. Kłosowski, **A. A. Farke**, J. R. Hutchinson, and S. J. Shefelbine. 2012. Whole-bone scaling of the avian pelvic limb. *Journal of Anatomy* 221:21–29.
- Farke, A. A.**, and P. P. Patel. 2012. An enantiornithine bird from the Campanian Kaiparowits Formation of Utah, USA. *Cretaceous Research* 37:227–230.
- Farke, A. A.** 2011. Anatomy and taxonomic status of the chasmosaurine ceratopsid *Nedoceratops hatcheri* from the Upper Cretaceous Lance Formation of Wyoming, U.S.A. *PLoS ONE* 6:e16196.

- Farke, A. A.**, M. J. Ryan, P. M. Barrett, D. H. Tanke, D. R. Braman, M. A. Loewen, and M. R. Graham. 2011. A new centrosaurine from the Late Cretaceous of Alberta, Canada, and the evolution of parietal ornamentation in horned dinosaurs. *Acta Palaeontologica Polonica* 56:691–702.
- Zheng, R. A., **A. A. Farke**, and G.-S. Kim. 2011. A photographic atlas of the pes from a hadrosaurine hadrosaurid dinosaur. *PalArch's Journal of Vertebrate Palaeontology* 8(7):1–12.
- Farke, A. A.** 2010. Evolution and functional morphology of the frontal sinuses in Bovidae (Mammalia: Artiodactyla), and implications for the evolution of cranial pneumaticity. *Zoological Journal of the Linnean Society* 159:988–1014.
- Farke, A. A.** 2010. Evolution, homology, and function of the supracranial sinuses in ceratopsian dinosaurs. *Journal of Vertebrate Paleontology* 30:1486 – 1500.
- Farke, A. A.**, R. E. Chapman, and A. Andersen. 2010. Modeling structural properties of the frill of *Triceratops*; pp. 264–270 in M. J. Ryan, B. J. Chinnery-Allgeier, and D. A. Eberth (eds.), *New Perspectives on Horned Dinosaurs: The Royal Tyrrell Museum Ceratopsian Symposium*. Indiana University Press, Bloomington.
- Herrero, L., and **A. A. Farke**. 2010. Hadrosaurid dinosaur skin impressions from the Upper Cretaceous Kaiparowits Formation of southern Utah, USA. *PalArch's Journal of Vertebrate Palaeontology* 7(2):1–7.
- Hunt, R., and A. Farke. 2010. Behavioral interpretations from ceratopsid bonebeds; pp. 447–455 in M. J. Ryan, B. J. Chinnery-Allgeier, and D. A. Eberth (eds.), *New Perspectives on Horned Dinosaurs: The Royal Tyrrell Museum Ceratopsian Symposium*. Indiana University Press, Bloomington.
- Loewen, M. A., S. D. Sampson, E. K. Lund, **A. A. Farke**, M. C. Aguillón Martínez, C. A. de Leon, R. A. Rodríguez de la Rosa, M. A. Getty, and D. A. Eberth. 2010. Horned dinosaurs (Ornithischia: Ceratopsidae) from the Upper Cretaceous (Campanian) Cerro del Pueblo Formation, Coahuila, Mexico; pp. 99–116 in M. J. Ryan, B. J. Chinnery-Allgeier, and D. A. Eberth (eds.), *New Perspectives on Horned Dinosaurs: The Royal Tyrrell Museum Ceratopsian Symposium*. Indiana University Press, Bloomington.
- Sampson, S. D., M. A. Loewen, **A. A. Farke**, E. M. Roberts, C. A. Forster, J. A. Smith, and A. L. Titus. 2010. New horned dinosaurs from Utah provide evidence for intracontinental dinosaur endemism. *PLOS ONE* 5:e12292.
- Farke, A. A.**, and J. Alicea. 2009. Femoral strength and posture in terrestrial birds and non-avian theropods. *The Anatomical Record* 292:1406–1411.
- Farke, A. A.**, S. D. Sampson, C. A. Forster, and M. A. Loewen. 2009. *Turanoceratops tardabilis*—sister taxon, but not a ceratopsid. *Naturwissenschaften* 96:869–870.
- Farke, A. A.**, E. D. S. Wolff, and D. H. Tanke. 2009. Evidence of combat in *Triceratops*. *PLOS ONE* 4:e4252.
- Forster, C. A., **A. A. Farke**, J. A. McCartney, W. J. De Klerk, and C. F. Ross. 2009. A “basal” tetanuran from the Lower Cretaceous Kirkwood Formation of South Africa. *Journal of Vertebrate Paleontology* 29:283–285.
- Gates, T. A., and **A. A. Farke**. 2009. Biostratigraphic and biogeographic implications of a hadrosaurid (Ornithomimidae: Dinosauria) from the Upper Cretaceous Almond Formation of Wyoming, USA. *Cretaceous Research* 30:1157–1163.
- Farke, A. A.** 2008. Frontal sinuses and head-butting in goats: a finite element analysis. *Journal of Experimental Biology* 211:3085–3094.
- Farke, A. A.** 2007. Morphology, constraints, and scaling of frontal sinuses in the hartebeest, *Alcelaphus buselaphus* (Mammalia: Artiodactyla, Bovidae). *Journal of Morphology* 268:243–253.
- Farke, A. A.** 2007. Reexamination of paleopathology in plesiosaurs. *Journal of Vertebrate Paleontology* 27:724–726.
- Farke, A. A.** 2006. Cranial osteology and phylogenetic relationships of the chasmosaurine ceratopsid *Torosaurus latus*; pp. 235–257 in K. Carpenter (ed.), *Horns and Beaks: Ceratopsian and Ornithomimid Dinosaurs*. Indiana University Press, Bloomington.

- Farke, A. A.** 2006. Morphology and ontogeny of the cornual sinuses in chasmosaurine dinosaurs (Ornithischia: Ceratopsidae). *Journal of Paleontology* 80:780–785.
- Farke, A. A.,** and W. Alley. 2006. An abnormal squamosal of *Triceratops* (Ornithischia: Ceratopsidae) from the Upper Cretaceous Hell Creek Formation of South Dakota. *New Mexico Museum of Natural History and Science Bulletin* 35:371–372.
- Farke, A. A.,** and P. M. O’Connor. 2007. Pathology in *Majungasaurus crenatissimus* (Theropoda: Abelisauridae) from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Memoir* 8:180–184.
- Farke, A. A.,** and T. E. Williamson. 2006. A ceratopsid dinosaur parietal from New Mexico and its implications for ceratopsid biogeography and systematics. *Journal of Vertebrate Paleontology* 26:1018–1020.
- Tanke, D. H., and **A. A. Farke.** 2006. Bone resorption, bone lesions, and extra cranial fenestrae in ceratopsid dinosaurs: a preliminary assessment; pp. 319–347 in K. Carpenter (ed.), *Horns and Beaks: Ceratopsian and Ornithopod Dinosaurs*. Indiana University Press, Bloomington.
- Farke, A. A.** 2004. Ceratopsid dinosaurs from the Upper Cretaceous Almond Formation of southwestern Wyoming. *Rocky Mountain Geology* 39:1–5.
- Farke, A. A.** 2004. Horn use in *Triceratops* (Dinosauria: Ceratopsidae): testing behavioral hypotheses using scale models. *Palaeontologia Electronica* 7:10 pp.
- Farke, A. A.** 1997. The distribution and taxonomy of *Triceratops*; pp. 47–49 in D. L. Wolberg, E. Stump, and G. D. Rosenberg (eds.), *Dinofest International Proceedings Volume*. Philadelphia Academy of Natural Sciences, Philadelphia.

SUBMITTED AND IN-PREPARATION PUBLICATIONS

- Farke, A. A.,** M. A. Loewen, and M. J. Ryan. In revision. Ceratopsia; in D. B. Weishampel, P. M. Barrett, M. T. Carrano, and P. J. Makovicky (eds.), *The Dinosauria, Third Edition*. Cambridge University Press.

CONFERENCE ABSTRACTS

- Farke, A. A.,** and R. J. Gay. 2018. Impacts of potential boundary changes on vertebrate paleontology research in Grand Staircase-Escalante and Bears Ears national monuments. *PaleoBios* 35 Supplement:7–8.
- Martinez, B., and **A. A. Farke.** 2018. Trackways of *Platykopus ilycalculator* from the White Narrows Formation (Pliocene), Nevada. *PaleoBios* 35 Supplement:21.
- Oei, A., N. Carroll, and **A. A. Farke.** 2018. An azhdarchid pterosaur from the Kaiparowits Formation of southern Utah. *PaleoBios* 35 Supplement:22–23.
- Farke, A. A.** 2017. Evolving the role of high school students in research at the Raymond M. Alf Museum of Paleontology. Geological Society of America Abstracts with Programs. Vol. 49, No. 6. doi: 10.1130/abs/2017AM-299687
- Carroll, N., **A. A. Farke,** and S. Chai. 2017. A new azhdarchid pterosaur from the Kaiparowits Formation (late Campanian) of southern Utah, USA. *Journal of Vertebrate Paleontology, Program and Abstracts* 2017:94.
- Knapp, A., R. Knell, **A. A. Farke,** and D. Hone. 2017. Species recognition in the Mesozoic? Testing hypotheses of elaborate structures in ceratopsian dinosaurs. *Journal of Vertebrate Paleontology, Program and Abstracts* 2017:143.
- Farke, A. A.,** S. Chai, J. Diepenbrock, and D. Gonzalez. 2016. From the quarry to the classroom: a case study in field- and museum-centered research for high school students. *Journal of Vertebrate Paleontology, Program and Abstracts* 2016:191.
- Chu, E., C. Luebbers, and **A. A. Farke.** 2016. Reinterpretations of felid footprints from the Barstow Formation (Miocene) of southern California. *PaleoBios* 33 Supplement:6.

- Jamal, H., and **A. A. Farke**. 2016. Dental pathology in *Hoplophoneus occidentalis* (Nimravidae). *PaleoBios* 33 Supplement:9–10.
- Senise, K., and **A. A. Farke**. 2016. A proboscidean trackway from the Barstow Formation of southern California. *PaleoBios* 33 Supplement:14.
- Kotrappa, M. S., and **A. A. Farke**. 2015. Anatomy of the endosseous labyrinth in the multituberculate mammal *Neoplagiaulax*. *Journal of Vertebrate Paleontology, Program and Abstracts* 2015:158.
- Paik, M. S., B. L. Hafif, M. Dominguez, and **A. A. Farke**. 2015. Paleocological implications of a faunal assemblage from “Duncan’s Microsite” in the Kaiparowits Formation (Upper Cretaceous), southern Utah, U.S.A. *Journal of Vertebrate Paleontology, Program and Abstracts* 2015:191.
- Farke, A.**, R. Gay, and T. Lepore. 2014. Digital specimens in the high school classroom. *Journal of Vertebrate Paleontology, Program and Abstracts* 2014:128.
- Maiorino, L., **A. Farke**, L. Teresi, T. Kotsakis, and P. Piras. 2014. Mechanical performance of ceratopsian lower jaws: new insight revealed by finite element analysis. *Journal of Vertebrate Paleontology, Program and Abstracts* 2014:174–175.
- Mallon, J., R. Holmes, **A. Farke**, J. Anderson, D. Evans, and M. Ryan. 2014. New specimens of the rare chasmosaurine *Arrhinoceratops* (Dinosauria: Ceratopsidae) from the Upper Campanian-Lower Maastrichtian Horseshoe Canyon Formation of Alberta. *Journal of Vertebrate Paleontology, Program and Abstracts* 2014:176.
- Farke, A.**, D. Maxwell, R. Cifelli, and M. Wedel. 2013. Biogeography of basal neoceratopsian dinosaurs illuminated by a skull from the Cloverly formation (Lower Cretaceous) of Montana. *Journal of Vertebrate Paleontology, Program and Abstracts* 2013:125.
- Kloess, P., and **A. Farke**. 2013. Tracks and body fossils preserve different camelid populations in the Barstow Formation (Miocene) of southern California. *Journal of Vertebrate Paleontology, Program and Abstracts* 2013:155.
- Maiorino, L., **A. Farke**, T. Kotsakis, and P. Piras. 2013. Cranial and mandibular shape changes during the evolution of ceratopsian dinosaurs. *Journal of Vertebrate Paleontology, Program and Abstracts* 2013:169.
- Farke, A. A.**, D. Chok, A. Herrero, and B. Scolieri. 2012. Ontogeny in the hadrosaurid dinosaur *Parasaurolophus* revealed by an articulated skeleton from the Kaiparowits Formation of southern Utah. *Journal of Vertebrate Paleontology, Program and Abstracts* 2012:92.
- Gunn, J., T. Nazikian, and **A. A. Farke**. 2012. Dental microwear in hadrosaurid dinosaurs from the Kaiparowits Formation, Utah. *Journal of Vertebrate Paleontology, Program and Abstracts* 2012:104.
- Maiorino, L., **A. A. Farke**, P. Piras, M. J. Ryan, and K. Terris. 2012. Evolutionary trends in the shape of the squamosal in ceratopsid dinosaurs. *Journal of Vertebrate Paleontology, Program and Abstracts* 2012:133.
- Xu, A., M. Henn, S. Woodward, and **A. A. Farke**. 2012. Anatomy, systematics and taphonomy of an alligatoroid crocodylian skeleton from the Kaiparowits Formation (late Campanian) of southern Utah. *Journal of Vertebrate Paleontology, Program and Abstracts* 2012:196–197.
- Cummins, R., and **A. Farke**. 2011. Flexibility along the vertebral column of *Leptoceratops gracilis* and its implications for locomotion. *Journal of Vertebrate Paleontology, Program and Abstracts* 2011:93–94.
- Farke, A. A.** 2011. A juvenile lambeosaurine (?*Parasaurolophus*) skull and skeleton from the Kaiparowits Formation of southern Utah, and developmental timing in lambeosaurine ontogeny. *International Hadrosaur Symposium, Program and Abstracts, Royal Tyrrell Museum, Royal Ontario Museum, Royal Tyrrell Museum Cooperating Society*:50-52.
- Herrero, L., and **A. A. Farke**. 2011. Morphological variation in the skull roof of *Gryposaurus* from the Kaiparowits Formation (late Campanian) of southern Utah. *International Hadrosaur Symposium, Program and Abstracts, Royal Tyrrell Museum, Royal Ontario Museum, Royal Tyrrell Museum Cooperating Society*:65.

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- Farke, A. A.** 2010. Anisotropy in the frontal sinuses of bighorn sheep and its implications for understanding pneumatization. *The FASEB Journal* 24:636.4.
- Farke, A.**, M. Ryan, D. Tanke, P. Barrett, and M. Loewen. 2010. A new centrosaurine ceratopsid from the Belly River Group (Upper Cretaceous) of Alberta, Canada, and the evolution of parietal ornamentation. *Journal of Vertebrate Paleontology, SVP Program and Abstracts Book*, 2010:87A.
- Herrero, L., and **A. Farke**. 2010. Morphological variation in the hadrosaur dinosaur *Gryposaurus* from the Kaiparowits Formation (late Campanian) of southern Utah. *Journal of Vertebrate Paleontology, SVP Program and Abstracts Book*, 2010:104A.
- Clayton, K., M. Loewen, S. Sampson, **A. Farke**, and R. Irmis. 2009. Epiparietal homology within Centrosaurinae (Ornithischia, Ceratopsidae): A re-evaluation based on newly discovered basal taxa. *Journal of Vertebrate Paleontology, SVP Program and Abstracts Book*, 2009:80A.
- Farke, A. A.**, and J. J. W. Sertich. 2009. A medium-sized theropod dinosaur from the Late Cretaceous (Turonian or Coniacian) of the Ambilobe Basin, northernmost Madagascar. *Journal of Vertebrate Paleontology, SVP Program and Abstracts Book*, 2009:94A.
- Farke, A. A.**, J. Georgi, L. Herrero, and N. Pujji. 2009. Anatomy of the semicircular canals and head posture in *Champsosaurus* (Diapsida: Choristodera). *Advances in Western Interior Late Cretaceous Paleontology and Geology, Abstracts with Program*. Saint George, Utah:19.
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- Sampson, S., M. Loewen, **A. Farke**, J. Smith, and E. Roberts. 2009. Two new chasmosaurine ceratopsids from Late Cretaceous (Campanian) of Utah. *Journal of Vertebrate Paleontology, SVP Program and Abstracts Book*, 2009:175A.
- Tanke, D.H., **A. A. Farke**, and M. Gilbert. 2009. Severe osteopathy in a Late Cretaceous *Triceratops* skull from the Frenchman Formation of Saskatchewan, Canada; pp. 48-51 in T. Tokary, E. Snively, and H. Bryant (eds.), *Frenchman Formation Terrestrial Ecosystem Conference Abstracts, Royal Saskatchewan Museum Contribution to Science Number 12*.
- Brandau, D., M. Loewen, **A. Farke**, and B. Baziak. 2008. Cranial variation in the Late Jurassic theropod dinosaur *Allosaurus*. *Journal of Vertebrate Paleontology* 28(3):55A-56A.
- Farke, A. A.** 2008a. Evolution and function of the supracranial sinuses in ceratopsid dinosaurs and the frontal sinuses in bovid mammals. *Journal of Vertebrate Paleontology* 28(3):76A.
- Farke, A. A.** 2008b. Pathology and horned combat in ceratopsian dinosaurs and bovid mammals. *Concurrent Meetings of the ACVP and the ASVCP 2008 Conference Proceedings*, pp. 89-93.
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- Alicea, J., **A. A. Farke**, and S. Nesbitt. 2007. Can cross-sectional properties of the femur be used to infer posture in non-avian theropods? *Journal of Vertebrate Paleontology* 27(3):40A.
- Farke, A. A.** 2007. Evolution of the frontal sinuses in Bovidae. *Integrative and Comparative Biology* 47:e33.
- Farke, A. A.**, R. E. Chapman, and A. Andersen. 2007. Structural properties of the frill of *Triceratops*. *Ceratopsian Symposium Short Papers, Abstracts, and Programs, Royal Tyrrell Museum*:44-47.
- Forster, C. A., and **A. A. Farke**. 2007. Forget theropods – for variety we’ll take a ceratopsian any day. *Ceratopsian Symposium Short Papers, Abstracts, and Programs, Royal Tyrrell Museum*:53.
- Groenke, J., **A. A. Farke**, and J. Georgi. 2007. Digital preparation for the analog preparator. *Journal of Vertebrate Paleontology* 27(3):84A.

- Hunt, R. K., and **A. A. Farke**. 2007. Behavioral and depositional dynamics in interpreting chasmosaurine ceratopsid bonebeds. *Ceratopsian Symposium Short Papers, Abstracts, and Programs, Royal Tyrrell Museum*:79-81.
- Farke, A. A.** 2006a. Evolution and anatomic origin of the frontal sinus complex in ceratopsian dinosaurs. *Journal of Vertebrate Paleontology* 26(3):59A-60A.
- Farke, A. A.** 2006b. Finite element modeling of head butting in the goat (*Capra hircus*). *Integrative and Comparative Biology* 46:e41.
- Farke, A. A.** 2005. Morphology and variation of the frontal sinuses in hartebeest (Mammalia: Bovidae). *Integrative and Comparative Biology* 45:1130.
- Farke, A. A.**, and T. E. Williamson. 2005. A chasmosaurine ceratopsid parietal from the Naashoibito Member, Ojo Alamo Formation of New Mexico, with implications for ceratopsid systematics and biogeography. *Journal of Vertebrate Paleontology* 25(3):55A.
- Farke, A. A.** 2004a. Not just for looks: Fenestration in the ceratopsian dinosaur frill and implications for evolutionary morphology. *Journal of Vertebrate Paleontology* 24(3):56A.
- Farke, A. A.** 2004b. Paleopathology in archosaurs from the Upper Cretaceous Maevarano Formation of Madagascar. *Abstracts with Programs, Geological Society of America* 36(5):61.
- Farke, A. A.** 2003. Ceratopsid dinosaur cranial morphology and behavior reinterpreted: Evaluating the bovid paradigm. *Journal of Vertebrate Paleontology* 23(3):49A.
- Tanke, D. H., and **A. A. Farke**. 2003. Cranial abnormalities in horned dinosaurs: Disease and normal biological processes – not combat wounds; pp. 78-81 in H. Allen (ed.), *Alberta Palaeontological Society Seventh Annual Symposium Abstracts*. Alberta Palaeontological Society, Calgary.
- Farke, A. A.** 2002a. New specimens of the horned dinosaur *Torosaurus* (Dinosauria: Ceratopsia) from the Late Cretaceous Hell Creek Formation of Montana. *Abstracts with Programs, Geological Society of America* 34(6):430.
- Farke, A. A.** 2002b. A review of “*Torosaurus*” (Dinosauria: Ceratopsidae) specimens from Texas and New Mexico, USA. *Journal of Vertebrate Paleontology* 22(3):52A.
- Knauss, G. E., and **A. A. Farke**. 2002. Comparison of vertebrate microfossil collection methods in the Late Cretaceous Hell Creek Formation of North Dakota: Surface collection vs. screen washing. *Journal of Vertebrate Paleontology* 22(3):75A.
- Tanke, D. H., and **A. A. Farke**. 2002. Bone resorption, bone lesions, and extra fenestrae in ceratopsid dinosaurs. *Journal of Vertebrate Paleontology* 22(3):113A.
- Coddington, J. A., **A. A. Farke**, and J. Miller. 2001. Estimating clade richness. *American Arachnology: The Newsletter of the American Arachnological Society* 62:5.
- Farke, A. A.** 2001. Growth and morphology of the cornual sinuses in the ceratopsid dinosaur *Triceratops*. *PaleoBios* 21, supplement to number 2:49.
- Farke, A. A.**, F. J. Varriale, D. B. Lien, J. L. Cavin, and J. T. Sankey. 2001. First trackway evidence of vertebrate animals from the Fall River Formation (Lower Cretaceous) of western South Dakota, USA. *Journal of Vertebrate Paleontology* 21(3):48A.
- Farke, A. A.** 1998. A morphometric analysis of *Torosaurus*; pp. 13-14 in D. L. Wolberg, K. Gittis, S. Miller, L. Carey, and A. Raynor (eds.), *The Dinofest Symposium [abstracts]*.

BOOK AND EXHIBIT REVIEWS

- Farke, A. A.** 2015. *Techniques for Virtual Paleontology*, by Mark D. Sutton, Imran A. Rahman, and Russell J. Garwood, 2014. Wiley-Blackwell, West Sussex, U.K., 208 pp. US\$99.95, Hardcover, ISBN: 978-1-118-59113-0. *Journal of Vertebrate Paleontology* 35:e948960.
- Farke, A. A.** 2015. *My Beloved Brontosaurus* by Brian Switek. Reports of the National Center for Science Education 35:5.1–5.2.
- Farke, A. A.** 2013. *Dinosaurs: A Concise Natural History. Second Edition* by David E. Fastovsky and David B. Weishampel; illustrated by John Sibbick. *The Quarterly Review of Biology* 88:331–332.
- Farke, A. A.** 2012. *Dinosaurs in Australia: Mesozoic Life from the Southern Continent* by Benjamin P. Kear and Robert J. Hamilton-Bruce. *The Quarterly Review of Biology* 87:144.

- Farke, A. A.** 2012. *Dinosaurs of Eastern Iberia* edited by Àngel Galobart, Maite Suñer, Begoña Poza, and Albert Prieto-Márquez. *The Quarterly Review of Biology* 87:375.
- Farke, A. A.** 2012. Exhibit Review: Dinosaur Hall, Natural History Museum of Los Angeles County. *Journal of Vertebrate Paleontology* 32:732-733.
- Farke, A. A.** 2009. Review of Larson, Peter L., and Carpenter, K., eds. *Tyrannosaurus rex, The Tyrant King*. *Palaeontologia Electronica* 12(1):R2, 2 pp.
- Farke, A. A.** 2006. Review of Currie, Phillip J., and Koppelhus, Eva B. D., eds., *Dinosaur Provincial Park: A Spectacular Ecosystem Revealed*. *Palaeontologia Electronica* 9(2):R3, 2 pp.

SELECTED POPULAR PUBLICATIONS

- Farke, A. A.** 2006. *Triceratops* battles. *Dig* 8(6):14-15.
- Farke, A. A.** 2006. New technology for old fossils. *Dig* 8(6):26-27.
- Farke, A. A.** 2006. The how and why of dinosaur names. *Dig* 8(6):27.
- Farke, A. A.** 2006. Fossil hunter par excellence. *Dig* 8(6):28.
- Farke, A. A.** 2006. Dinosaur timeline. *Dig* 8(6):1.
- Forster, C. A., and **A. A. Farke.** 2005. What good was all the headgear? For defense. *Natural History* 114(4):48-49.
- Farke, A. A.** 1996. The great *Triceratops* debate: A resolution at last? *Fossil News: Journal of Amateur Paleontology* 2(7):3-4.

BLOGGING ACTIVITY

PLOS Paleontology Community (<http://blogs.plos.org/paleocomm/>)

INVITED PRESENTATIONS

- 2018
 Geology Department, Pomona College, departmental seminar. “Pterosaurs, *Parasaurolophus*, and Politics: Paleobiology of the Kaiparowits Formation, Grand Staircase-Escalante National Monument, Utah.” April 5, 2018.
 Western Association of Vertebrate Paleontologists, keynote co-lecture. “Impacts of Potential Boundary Changes on Vertebrate Paleontology Research in Grand Staircase-Escalante & Bears Ears National Monuments.” February 17, 2018.
 Western Science Center, public lecture. “North, South, East, West: Unraveling the Travels of Horned Dinosaurs.” February 8, 2018.
 Southern California Paleontological Society, public lecture. “North, South, East, West: Unraveling the Travels of Horned Dinosaurs.” February 11, 2018.
- 2017
 Keck Science Department, Claremont Colleges, lecture. “North, South, East, West: Biogeography of the Horned Dinosaurs.” February 24, 2017.
- 2016
 Palaeontological Society of Southern Africa, keynote. “Digital Fossils in the High School Classroom.” July 7, 2016.
 Western Science Center, public lecture. “Care and Feeding of Your Baby *Parasaurolophus*.” March 18, 2016.
 National Museum of Japan, public lecture. “Bringing Up Baby *Parasaurolophus*.” March 5, 2016.
- 2015
 University of Florida, iDigBio 3D Digitization of Fossils for Educators & Citizen Scientists Workshop. “Digital Fossils in the High School Classroom: Turning Promise into Practice.” June 15, 2015.
 University of California Los Angeles, guest lecture in dinosaurs class, “Frills, Hooks, Crests, & Horns: What's New in the World of Dinosaur Headgear?” February 4, 2014.

- University of Nevada-Las Vegas, Department of Geoscience seminar, “Growing Up *Parasaurolophus*: Ontogeny and Heterochrony in the Tube-Crested Dinosaur.” April 15, 2015.
- Loma Linda University, Department of Earth and Biological Sciences seminar, “Growing Up *Parasaurolophus*: Ontogeny and Heterochrony in the Tube-Crested Dinosaur.” May 6, 2015.
- University Club of Claremont, guest lecture, “What’s New in the World of Horned Dinosaurs?” March 10, 2015.
- California State University Fullerton, guest lecture in dinosaurs class, “Dinosaur Behavior” March 5, 2015
- 2014 Rotary Club of Newport Beach, California, “Baby Dinosaurs and Beyond,” May 20, 2014.
- California Polytechnic Institute Pomona, biology department seminar, “Growing Up *Parasaurolophus*: Ontogeny and Heterochrony in the Tube-Crested Dinosaur.” February 7, 2014.
- University of California Los Angeles, guest lecture in dinosaurs class, “Frills, Hooks, Crests, & Horns: What’s New in the World of Dinosaur Headgear?” February 4, 2014.
- California Polytechnic Institute Pomona, guest lecture on dinosaurs for geology class. February 3, 2014.
- 2013 Lorain Theater, Armour, South Dakota, public lecture, “The Science Behind Walking With Dinosaurs.” December 21 and 22, 2013.
- Boston Museum of Science, public lecture, “The truth about *Triceratops* and *Torosaurus*.” [with John Scannella] March 22, 2013.
- Boston Museum of Science, public lecture, “Fighting *Triceratops*: What’s the Evidence?” March 23, 2013.
- Burpee Museum of Natural History, member event lecture, “Growing and Pruning Homer’s Family Tree.” June 30, 2013.
- Burpee Museum of Natural History, member event lecture, “Growing Up *Parasaurolophus*.” March 1, 2013.
- Burpee Museum of Natural History, symposium presentation, “Horned dinosaurs from the southern part of the Western Interior Basin of North America.” March 2, 2013.
- La Sierra University, guest lecture, “Growing Up *Parasaurolophus*: Ontogeny and Heterochrony in the Tube-Crested Dinosaur.” November 12, 2013.
- California Polytechnic Institute Pomona, guest lecture on dinosaurs for geology class. November 6, 2013.
- 2012 California State University San Bernardino, guest lecture for biology department, “Frills, Hooks, Crests, and Horns: What’s New in the World of Dinosaur Headgear?” May 18, 2012
- University Club of Claremont, guest lecture, “Barstow and beyond: 75 years of paleontology at the Alf Museum and The Webb Schools.” February 21, 2012.
- 2011 Riverside STEM Academy, symposium presentation for middle school students, November 17, 2011.
- Natural History Museum of Los Angeles County, guest lecture, “Frills, Hooks, and Horns: What’s New in the World of Horned Dinosaurs?” April 28, 2011.
- University Club of Claremont, guest lecture, “A New Look at the Old Horned Dinosaurs.” February 8, 2011.
- 2010 Scripps College, guest lecture for undergraduate paleontology course. May 31, 2010.
- San Bernardino County Museum, California, Guest Lecture Series, “Chasing *Triceratops*: a new look at the horned dinosaurs.” January 27, 2010.

- California State University San Bernardino, guest lecture for graduate paleontology course. January 26, 2010.
- 2009 ScienceOnline2010 Conference, “The Open Dinosaur Project.” January 16, 2010.
Cal Poly Pomona, California, Department of Geological Sciences, guest lecture for “Earth, Time, and Life” course. November 19, 2009.
University of California Los Angeles, Department of Ecology and Evolutionary Biology Seminar, “The horned dinosaurs: anatomy of a radiation.” December 9, 2009.
- 2008 George Washington University, Washington, D.C., Department of Biological Sciences Seminar, “Evolution and functional morphology of the sinuses in horned mammals and horned dinosaurs.” March 14, 2008.
American College of Veterinary Pathologists 59th Annual Meeting, San Antonio, Texas, “Pathology and horned combat in ceratopsian dinosaurs and bovid mammals.” November 16, 2008 (Farke 2008b).
- 2007 Dakota Wesleyan University, Mitchell, South Dakota, Carhart Lecture in Natural Sciences, “New tools for old bones.” March 27, 2007.
Ceratopsian Symposium, Drumheller, Alberta, “Forget theropods – for variety we’ll take a ceratopsian any day.” September 22, 2007.
- 2006 Aurora Fossil Festival, North Carolina, “Horned dinosaurs: How much do we really know?” May 27, 2006.
- 2005 University of California at Berkeley Museum of Paleontology, “Horned dinosaurs: The good, the bad, and the ugly.” February 22, 2005.
New York Paleontological Society, “Horned dinosaurs: What do we really know?” May 15, 2005.
Yale Peabody Museum of Natural History, O. C. Marsh Fellows Program, “*Torosaurus* now and then: 114 years of science and speculation.” Oct. 17, 2005.

RESEARCH AND INFRASTRUCTURE GRANTS

- 2018 **Expanding Fossil Preparation Opportunities for High School Students at the Raymond M. Alf Museum of Paleontology.**
Jones Foundation, \$150,000
Collections Assessment for Preservation (CAP) Program.
Institute of Museum and Library Services and the Foundation of the American Institute for Conservation, to subsidize collections assessment of Alf Museum.
- 2017 **Exploration of Cretaceous strata of the southwestern United States.**
The Webb Schools Perry Award, \$3,400
- 2011 **Preparation and study of a juvenile hadrosaur from the Kaiparowits Formation.**
The Webb Schools Perry Award, \$3,000
- 2008 **The horned dinosaur radiation.**
National Science Foundation EAR-819953, \$150,000. Co-written with Scott Sampson (senior PI), Catherine Forster, and Mark Loewen.
- 2007 **Vertebrate paleontological exploration in the Upper Cretaceous of the Ambilobe (Diego) Basin, northern Madagascar**
Sigma Xi Grant-In-Aid-of-Research, \$960
Society of Vertebrate Paleontology Patterson Memorial Grant, \$1,000
- 2006 **Evolution of the frontal sinuses in horned dinosaurs**
Jurassic Foundation, \$1,600; Paleontological Society, \$500
Vertebrate paleontological exploration in the Upper Cretaceous of the Ambilobe (Diego) Basin, northern Madagascar
Jurassic Foundation, \$4,500 (with Mark Loewen)

- Functional morphology of the frontal sinuses in bovid mammals**
Society of Integrative and Comparative Biology, \$780
- 2005 **Vertebrate paleontology of the Upper Cretaceous Almond Formation, Wyoming**
Geological Society of America, \$1,000.
- 2004 **Finite element modeling of ceratopsid dinosaur and bovid mammal horncores**
Jurassic Foundation, \$2,200
- 2002 **Paleontology and palynology of the Lower Cretaceous Fall River Formation, South Dakota**
Paleontological Society, \$500; Western Interior Paleontological Society, \$50
- 1999 **Cranial osteology and phylogenetic relationships of the chasmosaurine ceratopsid *Torosaurus***
Museum of the Rockies grant, \$3,000

TRAVEL GRANTS

- 2006, 2007, 2008 Society of Integrative and Comparative Biology, lodging for annual meeting
- 2004 Geological Society of America Northeastern Section Student Travel Grant, \$90.
- 2002 Geological Society of America Rocky Mountain Section Student Travel Grant, \$200.
SDSM&T Department of Geology and Geological Engineering Travel Grant, \$250.
SDSM&T Graduate Education Office Travel Grant, \$150.
- 2001 SDSM&T Department of Geology and Geological Engineering Travel Grant, \$640.
SDSM&T Graduate Education Office Travel Grant, \$150.
North American Paleontological Convention, \$418

OTHER HONORS AND AWARDS

- 2017, 2011 Perry Award, The Webb Schools
- 2015 Outstanding Recent Graduate, South Dakota School of Mines Alumni Association
- 2014 National Association of Independent Schools, Teacher of the Future Award
- 2008 K. Patricia Cross Future Leaders Award, Association of American Colleges and Universities
D. Dwight Davis Award, Society for Integrative and Comparative Biology
- 2006 Graduate Council [Stony Brook University] Commendation for Outstanding Teaching by a Graduate Student
- 2003 National Science Foundation Graduate Research Fellowship
- 2002 Barry M. Goldwater Scholar
McGillycuddy Award for Service to SDSM&T Geology Department

SELECTED FIELD EXPERIENCE

- 2008 – present Grand Staircase Escalante National Monument, Utah. Co-led crew of high school volunteers, including training students in field techniques. Three week duration.
- 2008 – present Barstow Formation Project, California. Assisted in weekend fieldtrips to Miocene deposits in the Barstow Formation, including training high school students in field methods.
- 2010 Gansu Province, China, with Sinofossa Institute. Co-led tourist paleontological expedition, assisting in collection of specimens for research. Two week duration.
Mahajanga Basin Project, Madagascar, with Stony Brook University. Assisted in collection of vertebrate fossil specimens. Two week duration.
- 2008 Gobi Desert, Mongolia, with Nomadic Expeditions. Assisted in collection and field curation of specimens for tourist paleontology expedition. Two week duration.
Fox Hills Formation, South Dakota. Led small field crew in preliminary exploration for Late Cretaceous fossils. One week duration.

- 2007 Mahajanga Basin Project, Madagascar, with Stony Brook University. Assisted in collection of vertebrate fossil specimens and maintenance of field specimen catalog. Six week duration.
Ambilobe Basin Project, Madagascar. Led a field crew on a reconnaissance expedition in search of Late Cretaceous vertebrate fossils in northernmost Madagascar. Two week duration.
- 2005 Mahajanga Basin Project, Madagascar, with Stony Brook University. Assisted in collection of vertebrate fossil specimens, GPS relocation and description of localities, and maintenance of field specimen catalog. Seven week duration.
Almond Formation Project, Wyoming, with University of Utah. Organized small field crew, focusing on prospecting for new fossil vertebrate localities. 10 day duration.
- 2004 Almond Formation Project, Wyoming, with University of Utah. Organized small crew, focusing on relocation of old fossil quarries and new fossil vertebrate localities. One week duration.
- 2003 Mahajanga Basin Project, Madagascar, with Stony Brook University. Assisted in collection of vertebrate fossil specimens and maintenance of the field catalog. One month duration.
- 2002 Bighorn Basin Project, Wyoming, with New Jersey State Museum. Served as paleontological field assistant, working with volunteers, prospecting, and collecting. Two week duration.
Fall River Formation, South Dakota, senior thesis project. Collected geological samples and prospected for vertebrate fossils. One week duration.
SDSM&T Geology Field Camp, Wyoming, field geology course. Learned geological mapping and other field techniques. Five week duration.
- 2001 SDSM&T White River Badlands Project, South Dakota. Volunteered on paleontology crew, applying geological and paleontological field techniques. One week duration.
- 1996 Lance Dinosaur Project, Wyoming, with University of New Orleans. Volunteered on paleontology crew, learning field techniques. One week duration.

SELECTED MENTORING EXPERIENCE

- 2008 – present The Webb Schools, Claremont, California. Supervised high school students in paleontological research, some of which resulted in peer-reviewed publications (Herrero and Farke 2010, Zanno et al. in review) or conference presentations (Herrero and Farke 2010, Farke and Kim 2009, Farke et al. 2009).
- 2012 Hailey Hartford, undergraduate in Keck Science Department, Scripps College, Claremont, California, senior thesis in biology titled, “Testing the functional relationship between head-butting behavior and skull shape in caprines (Artiodactyla: Bovidae)
- 2010 Lara Hughes-Stinson, undergraduate in Department of Geology, Pitzer College, Claremont, California, thesis research on evolution of horses from the Barstow Formation
- 2009 – 2010 Reid Cummins, undergraduate student in Department of Geological Sciences, San Diego State University, “Vertebral morphology of *Leptoceratops gracilis*.” Awarded 2010 outstanding undergraduate thesis presentation.
- 2007 Justy Alicea, undergraduate student at Stony Brook University, “Can cross-sectional properties of the femur be used to infer posture in non-avian theropods?” Justy presented this research at the 2007 Society of Vertebrate Paleontology meeting, and the paper was published shortly thereafter (Farke and Alicea 2009).
Giuseppina Verde, undergraduate student at Stony Brook University, “Validation of estimates of bite force and implications for paleobiological interpretations.”

2006 Mika Sanghvi, undergraduate student at Stony Brook University, “Endocranial morphology of *Litocranium walleri* and *Gazella thomsoni* (Artiodactyla: Bovidae, Antilopinae).”

K-12 OUTREACH

2008 – present Raymond M. Alf Museum of Paleontology, Claremont, California. Frequent participant in on-site and off-site outreach programs, including lectures, informal interactions, and tours of museum facilities.

2008 – 2011 Raymond M. Alf Museum of Paleontology, Claremont, California. Designed and implemented “Paleontology for Educators” workshop, engaging area public school teachers in a two-day, museum-based curriculum.

2003 – 2008 Stony Brook University, NY. Gave classroom presentations on the paleontology of Madagascar for various local elementary and middle schools (usually once or twice per semester).

2001 – 2003 BLAHST program, South Dakota School of Mines and Technology, Rapid City. Prepared paleontology teaching kits and presented programs on regional geology and paleontology in elementary school classrooms.

2001 Mid-Central Educational Cooperative, Platte, SD. Designed, planned and implemented a summer paleontology outreach program for K-6 students at 10 different South Dakota schools.

PROFESSIONAL SERVICE

2018 – present Advisory Board, Department of Geology and Geological Engineering, South Dakota School of Mines and Technology

2018 – present Managing Board, *Peer Community in Paleontology*

2018 – present Section editor for paleontology, *PeerJ*

2017 – present Strimple Award committee, Paleontological Society

2016 – present Program committee, Society of Vertebrate Paleontology

2012 – present Editor, *PeerJ*

2011 – present Grant proposal reviewer, National Science Foundation

2004 – present Reviewed manuscripts for *The Anatomical Record*, *Bulletin of the New Mexico Museum of Natural History and Science*, *Cretaceous Research*, *Journal of Paleontology*, *Journal of Vertebrate Paleontology*, *Naturwissenschaften*, *Palaeontologia Electronica*, *Palaeontology*, *Royal Society Open Science*, *Syllogus*, *Science*, and Indiana University Press *Life of the Past* series

2003 – present Society of Vertebrate Paleontology, Communications committee

2003 – present Timber Lake Area Museum, Scientific Advisory Board

2009 – 2016 Academic Editor, *PLoS ONE*

2009 – 2015 Section Editor, *PLoS ONE*

2008 – 2010 Associate Editor, *Proceedings of the South Dakota Academy of Science*

2008 Judge for Rohm and Haas Electronic Materials Invitational Science Fair

2007 Judge for South Central South Dakota Science and Engineering Fair

2006 Judge for Long Island Science and Engineering Fair

2004 – 2006 Senator, Graduate Student Organization, Stony Brook University

2003 – 2010 Tapestry of Time Project (www.paleoportal.org), Editorial Board

2002 – 2006 Society of Vertebrate Paleontology, Student Liaison and chair of Student Committee

MAJOR MEDIA COLLABORATIONS

2017 **CBS National News.** Filmed for segment on Grand Staircase-Escalante National Monument. Program aired December 2017.

- 2015 **Al Jazeera America.** Filmed for TechKnow program, with segment on museums and commercial paleontology. Program aired 2016.
- 2011 **Discovery Channel.** Filmed for program, “Dinosaur Revolution,” on location in California. Program aired September 2011.
Local television. Filmed for program, “Inland Empire Explorer,” on Raymond M. Alf Museum. To air in January 2012.
- 2010 **KWHY Television, Burbank, California.** Filmed for program, “Con Chile y Limon,” on Raymond M. Alf Museum. Aired Monday, February 1, 2010.
- 2009 **Discovery Channel Canada.** Filmed for news interview on horned dinosaur research. Program aired in January 2009.
- 2008 **Discovery Channel.** Filmed for program, “Prehistoric Los Angeles,” on location in California. Program aired in April 2010.
- 2006 **Mechanical Engineering, American Society of Mechanical Engineers.** Dissertation research on sinus function featured in a brief magazine article, “Heads Up.” [*Mechanical Engineering*, December 2006 issue, p. 80]
- 2005 **KDLT Television, Sioux Falls, South Dakota.** Filmed for local news segment on paleontological research. Aired in 2006.
Coneflower Productions, New Haven, Connecticut. Filmed for documentary on *Torosaurus* for Peabody Museum of Natural History, Yale University. Program aired in 2006 on Connecticut Public Television, and received a 2007 New England Region Emmy Award for Best Educational Documentary.
- 2004 - 2005 **British Broadcasting Corporation, Discovery Channel. London.** Filmed for “The Truth About Killer Dinosaurs” on location in Canada and the United Kingdom. Also consulted for visual effects in the program. Program aired in 2005.

MAJOR ARTISTIC COLLABORATIONS

- 2008 – 2009 **Museum of Life and Science, Durham, North Carolina.** Consultant for life-size *Stygimoloch* sculpture and accompanying text.
- 2004 **Douglas Watson, Watson Sculptures & Models.** Consultant for small-scale *Torosaurus* sculpture for children’s toy (sold by Field Museum of Natural History).
- 2001 – 2005 **Peabody Museum of Natural History, New Haven, Connecticut.** Consultant for life-size *Torosaurus* bronze sculpture.

AFFILIATIONS AND MEMBERSHIPS

National Association of Geoscience Teachers
 Paleontological Society
 Sigma Xi
 Society of Vertebrate Paleontology