

E. Christopher Kirk - Publications

- 2021 Stocker, M. R., Brochu, C. A., & **Kirk, E. C.** A new caimanine alligatorid from the Middle Eocene of Southwest Texas and implications for spatial and temporal shifts in Paleogene crocodyliform diversity. *PeerJ*. 9:e10665 <https://doi.org/10.7717/peerj.10665>
- 2020 Hoffmann, S., **Kirk, E. C.** Inner ear morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. pp. 67–80 in D. W. Krause and S. Hoffmann (eds), *Adalatherium hui (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar*. Society of Vertebrate Paleontology Memoir 21. *Journal of Vertebrate Paleontology* 40 (2, Supplement).
- 2020 Krause, D. W., Hoffmann, S., Rossie, J. B., Hu, Y., Wible, J. R., Rougier, G. W., **Kirk, E. C.**, & Groenke, J. R. Craniofacial morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. pp. 19–66 in D. W. Krause and S. Hoffmann (editors), *Adalatherium hui (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar*. Society of Vertebrate Paleontology Memoir 21. *Journal of Vertebrate Paleontology* 40 (2, Supplement).
- 2020 Krause, D. W., Hoffmann, S., Hu, Y., Wible, J. R., Rougier, G. W., **Kirk, E. C.**, Groenke, J. R., Rogers, R. R., Rossie, J. B., Schultz, J. A., Evans, A. R., von Koenigswald, W., & Rahantarisoa, L. J. Skeleton of Cretaceous mammal from Madagascar reflects long-term insularity. *Nature*. 581: 421-427.
- 2020 **Kirk, E. C.**, & Lundeen, I. K. New observations of the nasal fossa and interorbital region of *Shoshonius cooperi* based on micro-computerized tomography. *Journal of Human Evolution*. 141: 102748.
- 2020 Atwater, A. L., Thomson, K. D., **Kirk, E. C.**, Emery-Wetherell, M., Wetherell, L., & Stockli, D. F. Geochronology of the middle Eocene Purple Bench locality (Devil's Graveyard Formation), Trans-Pecos Texas, USA. *Palaeontologia Electronica*. 23(1): a06
- 2019 Lundeen, I. K., & **Kirk, E. C.** Internal nasal morphology of *Rooneyia viejaensis* and extant Euarchonta: using μ CT scan data to understand and infer patterns of nasal fossa evolution in primates. *Journal of Human Evolution*. 132: 137-173.
- 2019 Russo, G. A. & **Kirk, E. C.** The hominoid cranial base in relation to posture and locomotion. In: E. Been, A. Gómez-Olivencia, & P. A. Kramer (eds.) *Spinal Evolution: Morphology, Function, and Pathology of the Spine in Hominoid Evolution*. Springer Nature Switzerland. p. 15-34.
- 2018 Atwater, A. L., & **Kirk, E. C.** New middle Eocene omomyines (Primates, Haplorhini) from San Diego County, California. *Journal of Human Evolution*. 124: 7-24.
- 2018 **Kirk, E. C.** Sensory ecology: olfaction. In: Trevathan, Wenda (ed.) *The International*

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- 2018 **Kirk, E. C.** Sensory ecology: vision. In: Trevathan, Wenda (ed.) *The International Encyclopedia of Biological Anthropology*. John Wiley and Sons, Inc.
- 2017 Muchlinski, M. N. & **Kirk, E. C.** A comparative analysis of infraorbital foramen size in Paleogene euarchontans. *Journal of Human Evolution*. 105: 57-68.
- 2017 Russo, G. A. & **Kirk, E. C.** Another look at the foramen magnum in bipedal mammals. *Journal of Human Evolution*. 105: 24-40.
- 2016 Veilleux, C. C., Scarry, C. J., Di Fiore, A., **Kirk, E. C.**, Bolnick, D. A., & Lewis, R. J. Group benefit associated with polymorphic trichromacy in a Malagasy primate (*Propithecus verreauxi*). *Scientific Reports*. 6: 38418 | DOI: 10.1038/srep38418
- 2016 Boyer, D. M., **Kirk, E. C.**, Silcox, M. T., Gunnell, G. F., Gilbert C. C., Yapuncich, G. S., Allen, K. L., Welch, E., Bloch, J. I., Gonzalez, L., Kay, R. F., & Seiffert, E. R. Internal carotid arterial canal size and scaling in Euarchonta: Re-assessing implications for arterial patency and phylogenetic relationships in early fossil primates. *Journal of Human Evolution*. 97: 123-144.
- 2016 Stocker, M. R. & **Kirk, E. C.** The first amphisbaenians from Texas with notes on other squamates from the Middle Eocene Purple Bench locality. *Journal of Vertebrate Paleontology*. 36: e1094081.
- 2014 **Kirk, E. C.**, Hoffmann, S., Kemp, A. D., Krause, D. W., & O'Connor, P. M. Sensory anatomy and sensory ecology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. *Journal of Vertebrate Paleontology*. Volume 34, Supplement to Number 6: 203-222.
- 2014 Hoffmann, S., O'Connor, P. M., **Kirk, E. C.**, Wible, J. R., & Krause, D. W. Endocranial and inner ear morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. *Journal of Vertebrate Paleontology*. Volume 34, Supplement to Number 6: 110-136.
- 2014 Krause, D. W., Hoffmann, S., Wible, J. R., **Kirk, E. C.**, Schultz, J. A., Koenigswald, W. v., Groenke, J. R., Rossie, J. B., O'Connor, P. M., Seiffert, E., Dumont, E. R., Holloway, W. L., Rogers, R. R., Rahantarisoa, L. J., Kemp, A. D., & Andriamialison, H. First cranial remains of a gondwanatherian mammal reveal remarkable mosaicism. *Nature*. 515: 512-517.
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- 2014 Kemp, A. D. & **Kirk, E. C.** Eye size and visual acuity influence vestibular anatomy in mammals. *Anatomical Record*. 297: 781-790.
- 2014 Veilleux, C. C. & **Kirk, E. C.** Visual acuity in mammals: effects of eye size and ecology. *Brain, Behavior & Evolution*. 83: 43-53.
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- 2011 **Kirk, E. C.** & Williams, B. A. New adapiform primate of Old World affinities from the Devil's Graveyard Formation of Texas. *Journal of Human Evolution*. 61: 156-168.
- 2010 Williams, B. A., Kay, R. F., **Kirk, E. C.**, & Ross, C. F. *Darwinius masillae* is a strepsirrhine – a reply to Franzen et al. (2009). *Journal of Human Evolution*. 59: 567-573.

- 2010 Williams, B. A., Kay, R. F., & **Kirk, E. C.** New perspectives on anthropoid origins. *Proceedings of the National Academy of Sciences of the United States of America*. 107: 4797-4804.
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