

Christian F. Kammerer

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Professional preparation

University of Chicago, The College
BA (with honors), Biology, 2003
BS, Geophysical Sciences, 2003
University of Chicago, Committee on Evolutionary Biology
MS: 2006
PhD: 2009

Publications

Papers

Kammerer, C. F., S. J. Nesbitt, and N. Shubin. In review. The first basal dinosauriform (Silesauridae) from the Late Triassic of Morocco. *Acta Palaeontologica Polonica*.

Ranivoharimanana, L., C. F. Kammerer, J. J. Flynn, and A. R. Wyss. In review. New material of *Dadadon isaloi* (Cynodontia: Traversodontidae) from the Triassic of Madagascar. *Journal of Vertebrate Paleontology*.

Kammerer, C. F. In press. Systematics of the Anteosauria (Therapsida: Dinocephalia). *Journal of Systematic Paleontology*.

Kammerer, C. F., J. Flynn, L. Ranivoharimanana & A. Wyss. 2010. The first record of a probainognathian (Cynodontia: Chiniquodontidae) from the Triassic of Madagascar. *Journal of Vertebrate Paleontology*. 30(6): 1-6.

Kammerer, C. F. & K. D. Angielczyk. 2009. A proposed higher taxonomy of anomodont therapsids. *Zootaxa*. 2018: 1-24.

Kammerer, C. F., J. Flynn, L. Ranivoharimanana & A. Wyss. 2008. New material of *Menadon besairiei* (Cynodontia: Traversodontidae) from the Triassic of Madagascar. *Journal of Vertebrate Paleontology*. 28(2): 445-462.

Kammerer, C.F., L. Grande, & M. W. Westneat. 2006. Comparative and Developmental Functional Morphology of the Jaws of Living and Fossil Gars (Actinopterygii: Lepisosteidae). *Journal of Morphology*. 267(9): 1017-1031.

Kammerer, C. F. & C. A. Sidor. 2002. Replacement names for the therapsid genera *Criocephalus* Broom, 1928 and *Olivieria* Brink, 1965. *Palaeontologia Africana*. 38: 71-72.

Abstracts

Kammerer, C. F., K. D. Angielczyk, and J. Fröbisch. 2010. A comprehensive revision of the dicynodonts 'wastebasket genus' *Dicynodon* (Therapsida: Anomodontia). *Journal of Vertebrate Paleontology*. 28(3): 113A.

Kammerer, C. F. 2009. Effects of the Permo-Triassic mass extinction on synapsid disparity over time. *Journal of Vertebrate Paleontology*. 29(3): 124A.

Sidor, C. A., K. D. Angielczyk, J. A. Hopson, C. F. Kammerer, and R. M. H. Smith. 2009. New information about cynodonts from the Middle Triassic Manda Beds (Ruhuhu Basin) of Tanzania. *Journal of Vertebrate Paleontology*. 29(3): 181A.

Kammerer, C. F. 2008. A new therocephalian from the *Cistecephalus* Assemblage Zone of South Africa and new information on therocephalian systematics. *Journal of Vertebrate Paleontology*. 28(3): 98A.

Angielczyk, K. D., C. F. Kammerer, P. D. Roopnarine, and S. C. Wang. 2008. The perturbation resistance of Early Permian terrestrial communities characterized by low tetrapod herbivore diversity. *Geological Society of America Abstracts with Programs*. 40(6): 222.

Kammerer, C. F. 2006. Analysis of cranial disparity in the Therocephalia using geometric morphometrics. *Journal of Vertebrate Paleontology*. 26(3): 83A.

Kammerer, C. F. 2006. Temporal patterns in non-mammalian synapsid morphospace. *Integrative and Comparative Biology*. Supplement.

Kammerer, C. F., J. Flynn, L. Ranivoharimanana, & A. Wyss. 2005. New data on the cynodont fauna from the Triassic of Madagascar. *Journal of Vertebrate Paleontology*. 25(3): 76A.

Kammerer, C.F., M. W. Westneat, & L. Grande. 2003. Comparative and developmental jaw mechanics in gars (Lepisosteidae). *Integrative and Comparative Biology*. Supplement.

Teaching Experience and Educational Outreach

2010, Content Contributor and Lecturer for I Dig Brazil!, an interactive high school paleontology program presented in low income areas of Chicago and Brooklyn

2008, Teaching Assistant, University of Chicago, for the class “Chordate Biology” (taught by M. Coates)

- Lead laboratory sections, performed sample dissections, administered lab practical examinations, and presented lectures on the respiratory and excretory systems.

2003 and 2004, Teaching Assistant, University of Chicago, for the class “Systematic Biology” (taught by M. Kearney)

- Wrote laboratory manual, taught lab section, and presented lectures on organismal taxonomy.

2003, Teaching Assistant, University of Chicago, for the class “Arthropod Diversity and Evolution” (taught by P. Goldstein and P. Sierwald)

- Lead laboratory section and administered lab practical examinations.

2003-2006, 2008-present Field Museum collections and research guide for undergraduate biology classes at the University of Chicago

2002-present, guest lecturer on evolutionary biology in St. Lucie and Palm Beach County middle and high schools, Florida

Field Experience

2008-2010, with the Field Museum field crew led by Peter Makovicky in the Early Cretaceous of Utah.

Granting and Awards

2009 Alfred Sherwood Romer Prize, Society of Vertebrate Paleontology

2008, University of Chicago Hinds Fund

2006, NSF Doctoral Dissertation Improvement Grant, DEB 0608415, “Temporal Patterns in Non-Mammalian Synapsid Morphospace”

2005, University of Chicago Hinds Fund

2005, Sigma Xi Grant-in-Aid-of-Research

2004, NSF Graduate Research Fellowship

Collaborators and Other Affiliations

Kenneth Angielczyk (Department of Geology, Field Museum of Natural History)

John Flynn (Division of Paleontology, American Museum of Natural History)

Lance Grande (Department of Geology, Field Museum of Natural History)

Lovasoa Ranivoharimanana (Département de Paléontologie et d'Anthropologie Biologique, Université d'Antananarivo)

Christian Sidor (Burke Museum, University of Washington)

Mark Westneat (Department of Zoology, Field Museum of Natural History)

André Wyss (Department of Geological Sciences, University of California Santa Barbara)

Member of: The Society of Vertebrate Paleontology, The Society for Integrative and Comparative Biology, American Society of Mammalogists, Paleontological Society of South Africa

Organized: International Symposium on the Early Evolution of the Synapsida, held in Bristol, England, 2009