

# ANATOMICAL SCIENCES

GRADUATE DIRECTOR: MAUREEN O'LEARY

DEPARTMENT CHAIR: WILLIAM JUNGERS

## ❖ Grants, Fellowships and Awards

**Borths, Matthew.** (2009) Fulbright Award (Student Category) to Germany, \$12,000. *Fulbright Commission*, Berlin, Germany.

**Borths, Matthew** (2009) Graduate Research Fellowship, \$30,000/year. *National Science Foundation*, Arlington, VA.

**Burch, Sara.** (2009) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, IL.

**McCartney, Jacob A.** (2009) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, Illinois.

**Sertich, Joseph.** (2010) Doctoral Dissertation Improvement Grant, \$15,000. *National Science Foundation*, Arlington, VA.

**Sertich, Joseph.** (2010) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, IL.

## ❖ Jointly Authored Publications/Research Reports/Reviews

Schroer, Katherine, **Borths Matthew.** (2010) Creating Science: How the Creation Museum can build a better Natural History Museum. *The Informal Learning Review*, 1(100): 14-21.

**Schroer, Katherine**, Borths Matthew. (2010) Creating Science: How the Creation Museum can build a better Natural History Museum. *The Informal Learning Review*, 1(100): 14-21.

**Sertich, J.J.W.**, Loewen, M.A. (2010) A New Basal Sauropodomorph from the Lower Jurassic Navajo Sandstone of Southern Utah. *PLoS ONE*, 5(3): e9789. doi:10.1371/journal.pone.0009789.

O'Connor, P.M., **Sertich, J.J.W.**, Stevens, N.J., Roberts, E.M., Jinnah, Z.A., Ridgely, R., Hieronymus, T.L., Gottfried, M.D., Ngasala, S.E., Temba, J. (In Press) The evolution of mammal-like crocodyliforms in Gondwana: new evidence from the Cretaceous of Tanzania. *Nature*.

## ❖ Conferences/Colloquiums, Presentations, Symposiums, Workshops

**Borths, Matthew**, Martin, Thomas. (2009) Clawing through the Guimarota: Distal Phalange Diversity in a Late Jurassic Mammalian Fauna. *Annual Meeting of the Society of Vertebrate Paleontology*. Bristol, UK.

**Burch, Sara.** (2009) The utility of osteological correlates of muscle attachment in the reconstruction of locomotory modes of extinct birds. *Society of Vertebrate Paleontology 69<sup>th</sup> Annual Meeting*. Bristol, UK.

**McCartney, Jacob.** (2009) An assessment of intracolumnar variation in three species of modern snakes and its implications for the fossil record. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.

**Sertich, J.**, Kley, N., Turner, A., Georgi, J., Krause, D. (2009) Morphology and Systematics of the notosuchian crocodyliform *Simosuchus clarki* from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.

- Farke, A., **Sertich, J.** (2009) A medium-sized theropod from the Late Cretaceous (Turonian of Coniacian) of the Ambilobe Basin, northernmost Madagascar. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.
- Hutchinson, J.H., Irmis, R., **Sertich, J.**, Nesbitt, S., Titus, A., Claessens, L. (2009) Late Cretaceous Crocodyliforms from Grand Staircase Escalante National Monument, Utah. *Grand Staircase-Escalante National Monument Cretaceous Conference*. St. George, UT.
- Sorrentino, Gina.** (2010) Conservation of gene function in the TGF $\beta$  signaling pathway between Cnidaria and Amphibia. *Evolution 2010*. Portland, OR.