

Curriculum Vitae

Tafline C. Crawford

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EDUCATION

- present **Ph.D. candidate.** *Descriptive and Comparative Analysis of the Pliocene Australopithecines from Makapansgat, South Africa*, Washington University in Saint Louis. Ph.D. expected Sept. 2008
- 2002 **M.A.** *Analysis of a Middle Miocene Hominoid Distal Radius – With Comments on the Locomotor Behavior and Phylogenetic Relationships of Kenyapithecus africanus*, Southern Illinois University
- 1997 **B.A. (cum laude)** Anthropology, Wake Forest University
- 1993-1995 University of Florida

RESEARCH GRANTS

- 2007 **Principal Investigator**, Lambda Alpha Graduate Research Grant. *Comparative Analysis of the Makapansgat Australopithecine Assemblage* (\$4,000)
- 2007 **Co-Principal Investigator**, Evolving Earth Foundation. *Comparative Analysis of Pliocene Australopithecines from Makapansgat, South Africa* (\$3,000)
- 2007 **Principal Investigator**, Paleontological Society Stephen J. Gould Grant. *Comparative Analysis of Pliocene Australopithecines from Makapansgat, South Africa* (\$500)
- 2006 **Principal Investigator**, Geological Society of America. *Comparative Analysis of Pliocene Australopithecines from Makapansgat, South Africa* (\$1,800)
- 2006 **Principal Investigator**, Sigma Xi. *Comparative Analysis of the Makapansgat Hominins* (\$400)
- 2003 **Principal Investigator**, Washington University Summer Research Grants. *Pilot Research – South African Plio-Pleistocene Hominin Morphology* (\$2,000)

AWARDS AND FELLOWSHIPS

- 2008 *Washington University Travel Award*
- 2007-2008 *Washington University Dissertation Fellowship* (\$18,375)
- 2007 *Neureuther Essay Competition*, Science and Politics in the History of Paleoanthropology (\$1,000)
- 2004-2005 *Washington University Dean's Award for Teaching Excellence*, Principles of Human Anatomy and Development; Human Gross Anatomy and Development (\$1,450)
- 2002-2003 *Washington University Travel Awards*
- 2001-2002 *Washington University Graduate Fellowship* (\$11,475)
- 1999-2000 *Southern Illinois University Master's Fellowship* (\$10,800)
- 2000- 2001 *Southern Illinois University Travel Awards*

TEACHING EXPERIENCE

Washington University – St. Louis, Medical School

2004 Fall *Lab instructor/Teaching Assistant*. Human Gross Anatomy and Development (M04 501A)

Washington University – St. Louis, Department of Anthropology

- 2002-2007 *Teaching assistant*. The Biological Basis of Human Behavior (Anthro 362), The AIDS Epidemic (Anthro 4134), Principles of Human Anatomy and Development (Anthro 4581/Biology 4580), Introduction to Human Evolution (Anthro 151), Primate Biology (Anthro 3661), Human Variation (Anthro 307), Human Osteology (Anthro 468)
- 2006 *Instructor*. Introduction to Human Evolution (Anthro 151)

Southern Illinois University, Department of Anthropology

- 2000-2001 *Instructor*. Bioanthropology Laboratory (Anthro 300E)
- 1998-1999 *Teaching assistant*. Introduction to Anthropology (Anthro 104)

Wake Forest University, Department of Anthropology
1998 *Teaching assistant. Human Osteology (Anthro 368)*

TEACHING DEVELOPMENT

- 2006-2007 **Washington University Teaching Center Workshops.** Teaching to Different Learning Styles, Managing Classroom Dynamics and Responding to Common Problems, Preparing for Different Types of Academic Jobs, Effective Teaching Methods and Strategies, Developing a Teaching Portfolio
- 2002-2005 **Guest Lectures.** Abdominal Organs – The Digestive Tract (Anth 4581/Bio 4580), The hypotheses surrounding the origins of HIV (Anth 4134), The Fossil and Archaeological Evidence of Human Evolution (Anth 300D), Makapansgat: Recent Excavations at a South African Plio-Pleistocene Site (Archaeology Seminar Series), Primate Terrestriality (Anth 3661), The Osteology of the Lower Limb (Anth 468), Human adaptation, acclimatization, acclimation, and the Red Queen Hypothesis (Anthro 307), The morphology of apes, *Ardipithecus*, and earliest *Australopithecus* (Anth 455A), The Makapansgat Limeworks and *A. africanus* (Primate Evolution and Ecology Seminar Series)

INVITED LECTURES

- 2008 *Pliocene Hominids in South Africa*, St. Cloud State University, St. Cloud, Minnesota
- 2007 *The Makapan Hominids: Variation in South African Australopithecines*, The Transvaal Museum, Pretoria, South Africa

PUBLICATIONS

- Crawford TC, McKee JK, Kuykendall KL, and Conroy GC**
(*in prep*) The Makapansgat hominins: dental and mandibular variation. To be submitted , May 2008
- Crawford TC, and Latham AG**
(*in prep*) The Provenance of the Makapansgat Hominins. To be submitted, March 2008
- Latham, AG, and **Crawford TC**
(2005) On the use of percussion cartridges to extract fossils from hard breccia. *Palaeont. afr.* 40:165-167.
- Crawford TC, McKee JK, Kuykendall KL, Latham AG, and Conroy GC**
(2004) Recent paleoanthropological excavations of *in situ* deposits at Makapansgat, South Africa: A first report. *Collegium Antropologicum* 28 (suppl. 2):43-57.

REPORTS

- Crawford TC**
(2002) Analysis of a distal radius of *Kenyapithecus africanus*: Implications for locomotor behavior and phylogenetic relationships. Master's Thesis. Southern Illinois University, Carbondale, IL.
- Crawford TC, and Weaver DS**
(1997) Analysis of the human skeletal remains from the Porter Site (31 Wk 6). Office of the North Carolina State Archaeologist.

PUBLISHED ABSTRACTS AND PRESENTATIONS

- Crawford TC, Kuykendall KL, McKee JK, and Conroy GC**
(2008) Analysis of the dental and mandibular morphology of the Makapansgat hominids. Poster to be presented at AAPA meetings in Columbus, Ohio.
- Crawford TC, McKee JK, Conroy GC, Kuykendall KL, and Latham AG**
(2003) Fossil excavations of the Makapansgat Member 2 and adjacent breccias. *Am. J. Phys. Anthropol. Suppl.* 38:80. Paper presented at AAPA meetings in Tampa, Florida.
- Crawford TC, Rasmussen DT, and Conroy GC**
(2002) Forelimb morphology and limb proportions of middle Eocene *Oxyaenodon* (Mammalia, Creodonta). *J. Vert. Paleontol. Suppl* 22(3):46A. Paper presented at SVP meetings in Norman, Oklahoma.
- Crawford TC**
(2001) The functional adaptations of a distal radius of *Kenyapithecus* (Order Primates). Center for Systematic Biology Newsletter. Paper presented at the Center for Systematic Biology Symposium at Southern Illinois University in Carbondale, Illinois.
- Crawford TC, and Aubry BS**

(2001) Human skeletal remains from the Schroeder site: Examining health in the archaeological record. Sigma Xi Annual Research Day 2001 Participant Abstracts. Poster presented at the Annual Research Day of Southern Illinois University in Carbondale, Illinois.

Crawford TC, and Aubry BS

(2001) Paleopathological analysis of the human skeletal remains of the Schroeder site near Durango, Mexico. Paleopathology Association Newsletter. Poster presented at PPA meetings in Kansas City, Missouri.

Crawford TC, and McCrossin ML

(2001) Functional adaptations and phylogenetic affinities of the distal radius of *Kenyapithecus africanus* from Maboko Island, Kenya. Am. J. Phys. Anthropol. Suppl. 32:55. Paper presented at AAPA meetings in Kansas City, Missouri.

Crawford TC, and Ford SM

(2000) Predictive modeling of stabilization of balanced polymorphisms. Am. J. Phys. Anthropol. Suppl. 30:131. Poster presented at AAPA meetings in San Antonio, Texas.

FIELDWORK

Member 2 In Situ Excavations of Pliocene hominin-bearing site at Makapansgat, South Africa

20004-2005 *Co-director of excavation*; excavated Member 2 and an adjacent, earlier exposure at the Limeworks
2003 *Director of excavations*; Pliocene Member 2 and earlier deposits at the Limeworks site in Makapansgat; duties included excavating, fossil-prepping, mapping, accessioning fossils, and overseeing laborers, finances, and supplies

University of Michigan Paleontological Project

2002 *Crew member*; surveyed and collected Eocene fossil-bearing Wasatchian and Bridgerian localities

Little Muck Archaeological Project, South Africa

1997 *Crew member*; field school excavated early iron-working hilltop elite site in Northern Transvaal of South Africa

Bahamian Archaeological Project, Bahamas

1996 *Crew member and laboratory manager*; field school excavated Pigeon Creek on island of San Salvador
1996 *Shell tool analyst*; analyzed shell tools and established project guidelines for describing shell artifacts

Southwest Florida Archaeological Project, Florida

1995 *Crew member*; field school surveyed several hundred hectares in Punta Gorda, Florida; delineated boundaries of archaeological sites; analyzed ceramics and shell tools

LAB EXPERIENCE

1997-1998 ***Lab-technician II***, Bowman-Gray School of Medicine, Friedberg Campus; primate behavior and physiology lab technician; duties included bone-labeling, TB testing, urine collecting, bleeding, anaesthetizing, and dosing female *Macaca fascicularis*

1997 ***Skeletal analyst***, Wake Forest University; examined human skeletal remains recovered in archaeological Excavations, wrote a report for the North Carolina Medical Examiner on an assemblage of human skeletons from the Porter Site, NC

ADMINISTRATIVE AND SERVICE EXPERIENCE

Washington University at St. Louis

2006 *Presenter, Women in Science*; “Just Monkeying Around: Primate Skeletal Anatomy and Behavior”
2005-2006 *Committee Member, Anthropology Graduate Student Committee of Three*
2005 *Volunteer, Midwest Primate Interest Group (MPIG) Conference*
2005 *Invited Mentor, Teaching Assistant Workshop*
2004-2005 *Committee Member, Anthropology Graduate Student Committee of Three*

Southern Illinois University at Carbondale

2000-2001 *Assistant director of management, Anthropology Graduate Student Association (AGSA)*
2000 *Volunteer, Women in Science*

PROFESSIONAL AFFILIATIONS

American Association of Anatomists, American Association of Physical Anthropologists, Geological Society of America, Lambda Alpha, Paleoanthropology Society, Paleontological Society, Sigma Xi, Society of Vertebrate Paleontology

REFERENCES

Conroy, Glenn, Ph.D.

Professor; Washington University School of Medicine, Department of Anatomy and Neurobiology, (biological anthropology, primate evolution and comparative anatomy; human evolution; southern Africa); (314) 863-2481; *conroyg@thalamus.wustl.edu*

McKee, Jeffrey K., Ph.D.

Professor: The Ohio State University, Department of Anthropology (biological anthropology, human evolution, South Africa, paleoecology); (614) 292-4149; *mckee.95@osu.edu*

Phillips-Conroy, Jane, Ph.D.

Professor; Washington University School of Medicine, Department of Anatomy and Neurobiology, (biological anthropology, primatology, comparative anatomy)

Rasmussen, D. Tab, Ph.D.

Professor; Washington University in St. Louis, Department of Anthropology (biological anthropology, primate evolution; paleontology); (314) 935-4844; *dtrasmus@artsci.wustl.edu*

Smith, Richard J., Ph.D.

Ralph E. Morrow Distinguished Professor; Washington University in St. Louis, Department of Anthropology (biological anthropology, primate comparative and functional morphology, quantitative methods, Miocene hominoids); (314) 935-4843; *rjsmith@wustl.edu*

Trinkaus, Erik, PhD.

Mary Tileston Hemenway Professor in Arts and Sciences; Washington University in St. Louis, Department of Anthropology (human paleontology, skeletal biology, functional anatomy, Paleolithic archeology); (314) 935-5207; *trinkaus@artsci.wustl.edu*