

GARY T. SCHWARTZ

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ACADEMIC APPOINTMENTS

Associate Professor, Dept. of Anthropology, Arizona State University, 2008-
 Assistant Professor, Dept. of Anthropology, Arizona State University, 2004-2008
 Research Associate, Institute of Human Origins, 2004-
 Assistant Professor, Northern Illinois University, Department of Anthropology, 2002-2004
 Honorary Lecturer of Anatomy, University of the Witwatersrand, South Africa, 2002
 Smithsonian Post-Doctoral Research Fellowship, Smithsonian's National Museum of Natural
 History, Human Origins Program, 1999-2002.
 Adjunct Research Scientist, The George Washington University, Dept. of Anthropology, 1999-
 2002.
 Leverhulme Post-Doctoral Research Fellow, University College London, Dept. of Anatomy and
 Developmental Biology, 1997-1999.
 University of the Witwatersrand, Dept. of Anatomical Sciences, Junior Lecturer, 1995-1996

EDUCATION

1997 Washington University, St. Louis, MO
 Ph.D. (Biological Anthropology), Advisor, Glenn C. Conroy

1993 Washington University, St. Louis, MO
 M.A. (Biological Anthropology)

1990 Stony Brook University, Stony Brook, NY
 B.A. (Anthropology)

CURRENT EXTERNALLY-FUNDED RESEARCH AWARDS

Wenner-Gren Foundation (\$29,000, 2007-2008), International Collaborative Research Grant: "Age and
 Dynasty in Ancient Maya Society" – 25% Investigator (PI: Jane Buikstra).
 National Science Foundation (Principle Investigator - \$165,000; 2003-2007) "Dental Development and
 Life History of Malagasy Lemurs," BCS-0503988.
 – linked to collaborative grant BCS-0237338 with LR Godfrey, co-PI (\$142,000).

PAST EXTERNALLY-FUNDED RESEARCH AWARDS

The Leakey Foundation Research Grant "Evolutionary History of Canine Dimorphism in Primates"
 (June 2001, \$4,000)
 Smithsonian Post-Doctoral Research Fellowship (1999-2002, \$30,000 per year; \$90,000 total)
 Sigma Xi Research Society, Grant-in-Aid of Research (1995, \$650)
 Boise Fund Research Grant (1994, \$750)
 The Leakey Foundation Research Grant "A High Resolution CT Analysis of Enamel Thickness in
 South African Hominids" (1994, \$4,500)

INTERNALLY-FUNDED RESEARCH AWARDS

Northern Illinois University – Research & Artistry Grant (2004. ca. \$8,000).
 Northern Illinois University Undergraduate Research Apprenticeship Program (Fall 2003, \$750)
 Graduate Student Research Symposium, Washington University (May 1997, \$150)
 Dean's Dissertation Write-Up Fellowship (1996-1997, \$10,000).

Graduate Student Research Award, Washington Univ. (1994, \$200)
 Summer Travel Grant, Washington University Graduate School (1993).
 Washington University Graduate School Tuition Scholarship (1990-94; \$16,000 each year)

PEER-REVIEWED PUBLICATIONS (Includes *BOTH* Research Articles and Book Chapters)¹

In Preparation:

Catlett, K.C., Schwartz, G.T., Godfrey, L.R., and Jungers, W.L. (In prep.). “Life history space”: A multivariate analysis of life history variation in extinct and extant Malagasy lemurs. *American Journal of Physical Anthropology*

O’Mara, M.T., Catlett, K.C., Terranova, C.J., Schwartz, G.T. (In prep.). A comparative analysis of the ontogeny of body mass dimorphism in lorisooids. *International Journal of Primatology*

2008:

Schwartz, G.T. and Dean M.C. (2008). Charting the chronology of developing teeth. In (Irish, J.D. & Nelson, G.C., Eds.) *Technique and Application in Dental Anthropology*. (Series: Cambridge Studies in Biological and Evolutionary Anthropology), Cambridge University Press. Pp. 219-233.

Godfrey, L.R., Jungers, W.L., **Schwartz, G.T.**, and Irwin, M.T. (2008) Ghosts and orphans: Madagascar’s vanishing ecosystems. In J.G. Fleagle and C. C. Gilbert, eds. *Elwyn L. Simons: A Search for Origins*. Springer, New York. Pp. 361-396.

Ritzman T.B., Baker, B.J., and Schwartz, G.T. (2008). A Fine Line: A preliminary study comparing methods of estimating ages of linear enamel hypoplasia formation. *American Journal of Physical Anthropology* 135:348-361.

2007:

Schwartz GT, L.R. Godfrey, and P. Mahoney. (2007). Inferring primate growth, development, and life history from dental microstructure: The case of the extinct giant Malagasy lemur, *Megaladapis*. In Bailey SE, Hublin J.-J, editors. *Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. pp. 147-162. New York; Springer Press.

Mahoney, P., Smith, T., Schwartz, G.T., Dean, M.C., and Kelley, J. (2007). Molar crown formation in the late Miocene Asian hominoids, *Sivapithecus parvada* and *Sivapithecus indicus*. *Journal of Human Evolution* 53:61-68.

Orr, C.M., Delezene, L.K., Scott, J.E., Tocheri, M., and Schwartz, G.T. (2007). The comparative method and the inference of venom delivery systems in fossil mammals. *J. Vert. Paleo.* 27:541-546.

2006:

Godfrey, L.R, Jungers, W.L, Burney, D.A, Vasey, N., Ramilisonina, Wheeler, W., Lemelin, P, Shapiro, L.J, **Schwartz, GT**, King, S.J, Ramarolahy, M.F, Raharivony, L.L, and Randria, G.F.N. (2006). New discoveries of skeletal elements of *Hadropithecus stenognathus* from Andrahomana Cave, southeastern Madagascar. *Journal of Human Evolution* 51: 395-410.

¹ Underlined articles/chapters indicates a publication with a current graduate student and/or former post-doctoral researcher here at ASU.

Godfrey, L.R., W.L. Jungers, **G.T. Schwartz**. (2006). Ecology and extinction of Madagascar's subfossil lemurs. In: Gould L, Sauther M, editors. *Lemurs: Ecology and Adaptation*. pp. 41-65. New York: Springer Press.

Godfrey, L.R., G.T. Schwartz, K.E. Samonds, W.L. Jungers, and K.K. Catlett. (2006). The Secrets of Lemur Teeth. *Evolutionary Anthropology* 15: 142-154.

Schwartz GT, Reid DJ, Dean MC, and Zihlman AL. (2006). A faithful record of stressful life events preserved in the dental developmental record of a juvenile gorilla. *International Journal of Primatology* 27: 1201-1222.

Gebo DL, **Schwartz GT**. (2006). Foot bones from Omo: Implications for hominid evolution. *American Journal of Physical Anthropology* 129: 499-511.

2005:

Schwartz GT, Mahoney P, Godfrey LR, Cuzzo FP, Jungers WL and Randria, G.F.N. (2005). Dental development in *Megaladapis edwardsi* (Primates, Lemuriformes): Implications for understanding life history variation in subfossil lemurs. *Journal of Human Evolution* 49: 702-721. (Citations: 1)

Schwartz GT and Dean MC. (2005). Sexual dimorphism in modern human permanent teeth. *American Journal of Physical Anthropology* 128: 312-317. (Citations: 1)

Godfrey, L.R., G.M. Semperebon, **G.T. Schwartz**, D.A. Burney, W.L. Jungers, E.K. Flanagan, F.P. Cuzzo, and S.J. King. (2005). New insights into old lemurs: The trophic adaptations of the Archaeolemuridae. *International Journal of Primatology* 26:825-854. (Citations: 3)

Schwartz GT, Miller ER, Gunnell GF (2005). Developmental processes, life history and canine dimorphism in primate evolution. *Journal of Human Evolution* 48:97-103. (Citations: 1)

2003:

Schwartz GT and Godfrey LR (2003). The extinct sloth lemurs of Madagascar: Big bodies, fast teeth. *Evolutionary Anthropology* 12, 259. (Citations: 2)

Schwartz GT, Liu W, and Zheng L (2003). Preliminary investigation of dental microstructure in the Yuanmou hominoid (*Lufengpithecus huedienensis*) Yunnan Province, China. *Journal of Human Evolution* 44,189-202. (Citations: 11)

2002:

Schwartz GT, Jungers WL, Samonds KE, Godfrey LR and Simons EL (2002). Dental microstructure and life history in subfossil Malagasy lemurs. *Proceedings of the National Academy of Sciences* 99, 6124-6129. (Citations: 16)

2001:

Dean MC, Leakey MG, Reid D, Schrenk F, **Schwartz GT**, Stringer C & Walker AC. (2001) Growth processes in teeth distinguish modern humans from *Homo erectus* and earlier hominins. *Nature* 414, 628-631. (Citations: 65)

Schwartz GT & Dean MC (2001). The ontogeny of canine dimorphism in extant hominoids. *American Journal of Physical Anthropology* 115, 269-283. (Citations: 17)

Schwartz GT, Reid DJ and Dean MC (2001). Developmental aspects of sexual dimorphism in hominoid canines. *International Journal of Primatology* **22**, 837-860. (Citations: 13)

Halberg F, Cornélissen G, Appenzeller O, Wallace J, Acosta MA, **Schwartz GT** and Dean MC. (2001). Chronomics: different multiseptans in enamel of ancient and contemporaneous teeth. Proc, 2nd Int. Symp., Workshop on Chronoastrobiology and Chronotherapy, Otemachi, Chiyodaku, Tokyo.

2000:

Schwartz GT (2000a). Taxonomic and functional aspects of the patterning of enamel thickness distribution in extant large-bodied hominoids. *American Journal of Physical Anthropology* **111**, 221-244. (Citations: 42)

Schwartz GT (2000b). Enamel thickness and the helicoidal wear plane in modern human mandibular molars. *Archives of Oral Biology* **45**, 401-409. (Citations: 16)

Schwartz, GT and Dean, MC (2000). Interpreting the hominid dentition: Ontogenetic and phylogenetic aspects. In (O'Higgins P, Cohen M, Eds.) *Development, Growth and Evolution: Implications for the Study of Hominid Skeleton*. London: Academic Press. pp. 207-233.

Schwartz GT, Reid DJ, Dean MC and Chandrasekera MS (2000). Aspects of tooth crown development in common chimpanzees (*Pan troglodytes*) with a note on the possible role of sexual dimorphism in canine growth. *Proceedings of the 11th International Symposium on Dental Morphology*. pp. 323-337.

1998:

Reid DJ, **Schwartz GT**, Chandrasekera MS, and Dean MC (1998). A histological reconstruction of dental development in the common chimpanzee, *Pan troglodytes*. *Journal of Human Evolution* **35**, 427-448. (Citations: 37)

Schwartz GT, Thackeray JF, Reid C and van Reenan JF (1998). Enamel thickness and the topography of the enamel-dentine junction in South African Plio-Pleistocene hominids with special reference to the Carabelli trait. *Journal of Human Evolution* **35**, 523-542. (Citations: 21)

1997:

Schwartz GT (1997). Re-evaluation of the Plio-Pleistocene Hyraxes (Mammalia: Procaviidae) from South Africa. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*. **206**, 365-383.

1996:

Schwartz GT and Kuykendall KL (1996). Enamel Structure and Development. *Evolutionary Anthropology* **5**, 150-151.

Schwartz GT and Conroy GC (1996). Cross-sectional geometric properties of the *Otavipithecus* mandible. *American Journal of Physical Anthropology* **99**, 613-623. (Citations: 17)

1995:

Schwartz GT, Rasmussen DT, and Smith RJ (1995). Body-size diversity & community structure of fossil hyracoids. *Journal of Mammalogy* **76**, 1088-1099. (Citations: 5)

PUBLISHED ABSTRACTS/CONFERENCE PRESENTATIONS**2007 American Association of Physical Anthropologists, Philadelphia, Pennsylvania –**

“Life history space”: A multivariate analysis of life history variation in extinct and extant Malagasy lemurs. (2007). K.K. Catlett, G.T. Schwartz, L.R. Godfrey, W.L. Jungers. *Am. J. Phys. Anthropol. Suppl.* 44: 84-85.

In memoriam: The megafauna of Madagascar. (2007). L.R. Godfrey, G.T. Schwartz, W.L. Jungers, M.T. Irwin, K.E. Samonds, K.K. Catlett, and D.A. Burney. *Am. J. Phys. Anthropol. Suppl.* 44: 114.

And the band played on: maintaining dental function across the life span in *Hadropithecus stenognathus*, an extinct giant lemur from Madagascar. (2007). S.J. King, A. Hitchcock, G.T. Schwartz, and L.R. Godfrey. *Am. J. Phys. Anthropol. Suppl.* 44: 143.

A comparative analysis of the ontogeny of body mass dimorphism in lorisooids. (2007). M.T. O’Mara, K.K. Catlett, C.J. Terranova, G.T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 44: 180.

A fine line: a preliminary study comparing methods of estimating ages of linear enamel hypoplasia formation. (2007). T.B. Ritzman, B.J. Baker, G.T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 44: 200.

2006 Society of Vertebrate Paleontology, Ottawa, Canada –

Anterior dental grooves and the inference of venom delivery systems in fossil mammals. (2006). C.M. Orr, L.K. Delezene, J.E. Scott, M.W. Tocheri, G.T. Schwartz. *J. Vert. Paleo. Suppl.* 26: 107A-108A.

2006 American Association of Physical Anthropologists, Anchorage, Alaska –

Across the ecological divide: Dental developmental diversity in Madagascar’s giant lemurs. (2006). G.T. Schwartz, L.R. Godfrey, K.E. Samonds, W.L. Jungers, K.K. Catlett. *Am. J. Phys. Anthropol. Suppl.* 42: 160.

2005 Society of Vertebrate Paleontology, Mesa, AZ –

Dental development and life history in one of the largest subfossil Malagasy lemurs, *Megaladapis edwardsi*. (2005). G.T. Schwartz, P. Mahoney, L.R. Godfrey, W.L. Jungers. *J. Vert. Paleo. Suppl.* 25: 111A.

2005 American Association of Physical Anthropologists, Milwaukee, WI -

Age at death in a juvenile *Megaladapis edwardsi* (Primates, Lemuriformes): Implications for understanding life history variation in sub-fossil lemurs. (2005) P. Mahoney, G.T. Schwartz, L.R. Godfrey, F.P. Cuzzo. *Am. J. Phys. Anthropol. Suppl.* 40: 143.

Inferring primate growth, development, and life history profiles from dental microstructure. (2005). G.T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 40: 185.

Histologically determined age at first molar emergence in *Pongo pygmaeus*. (2005). *Am. J. Phys. Anthropol. Suppl.* 40: 128.

New discoveries of *Hadropithecus stenognathus*, a subfossil lemur from Madagascar. (2005). L.R. Godfrey, W.L. Jungers, G.T. Schwartz, P. Lemelin, L.J. Shapiro, D.A. Burney, W.F. Wheeler, F.P. Cuzzo, N. Vasey. *Am. J. Phys. Anthropol. Suppl.* 40: 107.

2004 American Association of Physical Anthropologists, Tampa, FL -

Developmental basis of canine dimorphism in early Eocene Notharctines. (2004) G.T. Schwartz, E.R. Miller, G.F. Gunnell. *Am. J. Phys. Anthropol. Suppl.*

2003 American Association of Physical Anthropologists, Tempe, AZ -

Molar crown formation in Miocene hominoids: A preliminary synthesis. (2003). T.M. Smith, M.C. Dean, J. Kelley, L.B. Martin, D.J. Reid, G.T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 36: 196.

What were the “monkey lemurs” of Madagascar up to? (2003). L.R. Godfrey, G.M. Semprebon, G.T. Schwartz, D.A. Burney, W.L. Jungers, E. Flanagan, S.J. King. *Am. J. Phys. Anthropol. Suppl.* 36: 101.

2001 Paleoanthropology Society, Kansas City, MO -

Are the P4s of *Paranthropus* uniquely molarized? (2001). N.J. Silverman, G.T. Schwartz. B. Wood. *J. hum. Evol.* 40: A21.

2001 American Association of Physical Anthropologists, Kansas City, MO -

Dental microstructure and life history in subfossil lemurs. (2001). K.E. Samonds, G.T. Schwartz, W.L. Jungers, L.R. Godfrey. *Am. J. Phys. Anthropol. Suppl.* 32: 128.

Histological analysis of dental development in *Gorilla*. (2001). G.T. Schwartz, M.C. Dean, D.J. Reid, A.L. Zihlman. *Am. J. Phys. Anthropol. Suppl.* 32: 134.

2000 American Association of Physical Anthropologists, San Antonio, TX -

The ontogeny of canine dimorphism in extant hominoids. (2000). G.T. Schwartz, M.C. Dean. *Am. J. Phys. Anthropol. Suppl.* 30: 275.

1999 American Association of Physical Anthropologists, Columbus, OH -

Dental development and canine dimorphism in the common chimpanzee, *Pan troglodytes*. (1998). G.T. Schwartz, D.J. Reid, M.C. Dean. *Am. J. Phys. Anthropol. Suppl.* 28: 246.

1997 American Association of Physical Anthropologists, St Louis, MO -

Patterning of enamel thickness in the postcanine dentition of *A. africanus*, *P. robustus*, and early *Homo* from South Africa. (1997). G.T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 24: 206-207.

1996 American Association of Physical Anthropologists Durham, NC -

Cross-sectional geometric properties of the *Otavipithecus* mandible. (1996). G.T. Schwartz, G.C. Conroy. *Am. J. Phys. Anthropol. Suppl.* 22: 211.

1995 Society of Vertebrate Paleontology, New York, NY –

A “new” species of Plio-Pleistocene hyrax from South Africa. (1995). G. T. Schwartz. *J. Vert. Paleo.*

1995 American Association of Physical Anthropologists, Oakland, CA -

Taxonomic relevance of enamel cap shape in extant hominoids and Plio-Pleistocene hominids. (1995). G. T. Schwartz. *Am. J. Phys. Anthropol. Suppl.* 20: 193.

1993 Society of Vertebrate Paleontology, Albuquerque, NM –

Body-size diversity and community structure of fossil hyracoids. (1993). G. T. Schwartz, D.T. Rasmussen, R.J. Smith. *J. Vert. Paleo.*

INVITED SEMINARS

- XXIInd International Primatological Society Congress, Edinburgh, Scotland, 2008 – “*The context for being human: social behaviour of early hominins from the perspective of primate socioecology*”
- Max Planck Institute for Evolutionary Anthropology, 2005 – Advances in Dental Anthropology Conference.
- Spirit of the Senses, Local Phoenix Area Salon Talk, 2005.
- Univ. of California at Santa Cruz, Dept. of Anthropology, 2004.
- Arizona State Univ., Dept. of Anthropology, 2004.
- Univ. of Iowa, Iowa City, 2003.
- Univ. Massachusetts, Amherst, 2003.
- Univ. of Wisconsin, Whitewater, 2003.
- NIU, Dept. of Biology, 2003.
Harvard University, Department of Anthropology, 2002.
- Northeastern Ohio Universities College of Medicine (NEOUCOM), Dept. of Anatomy, 2002.
- Northern Illinois University, Department of Anthropology, 2002.
- Florida Atlantic University, Department of Anthropology, 2002.
- University College London, Department of Anatomy, London, 2001.
- University of Colorado, Boulder, Department of Anthropology, 2001.
- The George Washington University, Department of Anthropology, 2001, 1998.
- Pennsylvania State University, Department of Anthropology, 1999.
- The George Washington University Medical School, Department of Anatomy, 1999.
- Stony Brook University, Department of Anatomical Sciences, 1998.
- Universität Zürich-Irchel, Switzerland, Anthropologisches Institut, 1998.
- University of Cambridge, UK, Department of Biological Anthropology, 1998.
- Center for Ecology & Evolution Workshop, “Ontogeny & Phylogeny: Implications for the Study of Human Evolution”, Linnean Society, London, 1998.
- University College London, Department of Anatomy & Developmental Biology, 1998.
- University College London, Department of Physics and Astronomy, 1998.
- UMDS, Guy’s Hospital, London, 1998.
- University College London, Evolutionary Anatomy Unit, 1997.
- “Enamel Structure & Development” Workshop, Paris, Invited Participant, 1996.
- Röntgen Centenary Congress, Society of Radiographers of South Africa, 1995.
- University of the Witwatersrand, South Africa, Department of Anatomical Sciences, 1995.
- St. Louis Community College, Florissant Valley, Department of Biology, 1993.

RESEARCH INTERESTS

Growth & Development; Life History Evolution; Dental Histology; Primate & Human Evolution; Mammalian Evolution; Dental Anthropology; Developmental Biology, Medical Imaging.

GRADUATE STUDENT TRAINING

Kierstin Catlett, Terrence Ritzman, Laura Stroik (PhD students) – serving as primary advisor
Lynn Copes, Kristi Lewton, Lucas Delezene, Lynn Lucas, Teague O’Mara, Stephanie Meredith, PJ Perry, Teresa Rodriguez, Samantha Russak, Jeremiah Scott, Melissa Schaeffer, Amy Shapiro, Daryn Stover, Claire Terhune (PhD students) – committee member
Carlos Munoz, Kiersten Catlett (MA student) – served as primary advisor
Eileen Off, Ivor Jankovic, Erin Rodriguez, Gabriela Schwartzman (MA students) –primary committee member

POSTDOCTORAL RESEARCH TRAINING

Frank Cuozzo (2003-2004) – now assistant professor at Univ. of North Dakota, Grand Rapids
 Patrick Mahoney (2004-2005) – now postdoctoral researcher at Univ. of Sheffield, UK

TEACHING EXPERIENCE

FULL-TIME INSTRUCTOR, “Fossil Hominids,” “Evolutionary History of Human Growth & Development,” “Dental Anthropology,” “Human Osteology” Arizona State University, Anthropology Department.

FULL-TIME INSTRUCTOR, “Intro to Bioanthropology,” “Advanced Human Evolution,” “Human Osteology,” and “Human Origins,” Northern Illinois University, Anthropology Department.

PART-TIME INSTRUCTOR, Gross Anatomy Laboratory, The George Washington University Medical School, 2000-2001.

ORGANIZER/LEADER, Advanced Seminar in Human/Primate Evolutionary Biology, The George Washington University, 2000-2001, an informal weekly seminar course for current graduate students, post-docs and faculty.

LECTURER, “Human Gross Anatomy/Embryology,” Department of Anatomical Sciences, University of the Witwatersrand Medical School, South Africa, 1995-1996. Lectures and lab supervision provided to over 200 medical, dental and nursing students.

INSTRUCTOR, “Human Gross & Functional Anatomy/Osteology,” School of Physical Therapy, Washington University, 1995-1996. Lab supervision and mini-lectures to 105 students.

INSTRUCTOR, “Introduction to Biological Anthropology,” an introductory course taught at Washington University in 1994 (14 students).

INSTRUCTOR, “Human Gross & Functional Anatomy,” School of Occupational Therapy, Washington University, 1994. Lab supervision and mini-lectures to over 100 students.

INSTRUCTOR, “Human Gross & Functional Anatomy,” School of Physical Therapy, Washington University, 1994. (see above)

INSTRUCTOR, “Human Gross Anatomy,” School of Medicine, Washington University, 1993. Lab supervision and mini-lectures to 120 medical (and anthropology graduate) students.

TEACHING ASSISTANT (Washington University) “Ancient Civilizations of the Old World,” (1993); “Introduction to Biological Anthropology,” (1991, 1992); “Human Osteology,” (1992).

TEACHING ASSISTANT (Stony Brook University) “Introduction to Physical Anthropology,” (1989); “Medical Anthropology,” (1989).

COURSES PREPARED TO TEACH AND/OR HAVE TAUGHT

Primate and Human Functional/Developmental Anatomy, Human Osteology, Human Embryology, Primate Evolution, Human Evolution, Primate/Human Growth and Development, Life History Evolution, Analytical Methods, The Concept of Race in Anthropology, Introduction to Bioanthropology.

FIELDWORK AND OTHER RESEARCH EXPERIENCE

- Co-Director, Makapansgat Paleoanthropology Summer Field School, South Africa, 2002-2005.
- Paleoanthropology & Mammalian Paleontology, Makapansgat Valley, South Africa, 1995.
- Researcher, Mallinckrodt Institute of Radiology, Washington University School of Medicine, St. Louis, 1994.
- Paleoanthropology & Mammalian Paleontology, Gladysvale, South Africa, 1993.
- Forensic Consultant, Triad Unmarked Human Burial Recovery Team, St. Louis, Missouri (Bi-State Co.), 1993.
- Mammalian Paleontology, mid-Miocene, Namibia, 1993.
- Mammalian Paleontology, Eocene-Oligocene, Uinta Basin, Utah, 1993.
- Mammalian Paleontology, Eocene-Miocene, Montana/Idaho, 1993.
- Mammalian Paleontology, Eocene, Wind River Basin, Wyoming (with CMNH), 1991-1992.
- Forensic Lab Assistant: Craniometric analysis of a Native American burial site, Southold, NY, 1990.
- Lab Assistant (with FE Grine & LB Martin): Quantitative microwear analysis and enamel microstructure of hominoids and early hominins, Stony Brook University, 1989-1990..

EDITORIAL SERVICE

Associate Editor, *Journal of Human Evolution* (2005-2008)

Manuscript Reviewer: *Science*, *Proceedings of the National Academy of Sciences*, *American Journal of Physical Anthropology*, *Journal of Human Evolution*, *Journal of Anatomy*, *Archives of Oral Biology*, *Evolutionary Anthropology*, *International Journal of Osteoarchaeology*, *Earth and Planetary Science Letters*

Grant Reviewer: *The National Science Foundation*, *The Leakey Foundation*, *The Wellcome Trust*

UNIVERSITY SERVICE

Physical Anthropology Sub-discipline Head, SHESC, ASU (2008-).

Executive Committee, SHESC, ASU (2008-).

Undergraduate Curriculum Committee (2005-2006), ASU College of Arts & Sciences

Departmental Colloquium Organizer (2004-present)

PROFESSIONAL MEMBERSHIPS

American Association of Physical Anthropologists, Society of Vertebrate Paleontology, Paleoanthropology Society