

CURRICULUM VITAE
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EDUCATION

- 2005 Ph.D., Anthropology, University of New Mexico, Albuquerque, NM (with distinction)
“The Effects of Socio-Ecological Variables on the Timetable of Adolescent Maturation in
Captive Female Baboons (*Papio hamadryas anubis*)”
- 2000 M.S., Anthropology, University of New Mexico, Albuquerque, NM (with distinction)
- 1995 B.S., Biology, Virginia Polytechnic Institute and State University, Blacksburg, VA
(*summa cum laude*)

FELLOWSHIPS, SCHOLARSHIPS, AND HONORS

- 1999 NSF Graduate Research Fellowship, University of New Mexico, Albuquerque, NM
(1999-2000, \$10,500 tuition, \$15,000 stipend; same for 2000-2001 and 2001-2002)
- 1997 Binford Fellowship. University of New Mexico, Albuquerque, NM (1997-1998,
\$2380 tuition, \$8050 stipend; 1998-1999, \$2460 tuition, \$8500 stipend)
- 1994 Phi Beta Kappa. Virginia Polytechnic Institute and State University, Blacksburg,
VA
- 1992-95 President’s List. Virginia Polytechnic Institute and State University, Blacksburg,
VA
- 1992-95 National Merit Scholar. Virginia Polytechnic Institute and State University,
Blacksburg, VA

OTHER FUNDING

2001-2003 Dissertation Improvement Grant, National Science Foundation. “The Effects of Socio-Ecological Variables on the Timetable of Adolescent Maturation in Captive Female Baboons (*Papio hamadryas anubis*)”. (\$11,380)

ACADEMIC POSITIONS

2006 -2017 Instructor, Department of Anthropology, University of New Mexico, Albuquerque, NM *Introduction to Anthropology (ANTH 101)*, *The Human Life Course (ANTH 160)*, *Human Behavioral Ecology (ANTH 360/567)*, *Topics: Adolescent Perspectives (ANTH 364)*, *Topics: Captive Primates (ANTH 364/560)*, *Human Evolutionary Ecology (ANTH 462/560)*, *Observing Primate Behavior (ANTH 369)*

2015 - 2017 Post-Doctoral Researcher, with Dr. Hillard Kaplan. Position includes both teaching and research roles.

2003 Teaching Associate. Department of Anthropology, University of New Mexico, Albuquerque, NM *Adolescence: Comparative, Cross-Cultural, and Modern Perspectives (ANTH 364)*

2000 Teaching Associate. Department of Anthropology, University of New Mexico, Albuquerque, NM *Observing Primate Behavior (ANTH 369)*

1997-99 Graduate Assistant. Department of Anthropology, University of New Mexico, Albuquerque, NM. *Introduction to Anthropology (ANTH 101)*

1993-95 Undergraduate Research Assistant for Dr. Jack Cranford. Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, VA

RESEARCH AREAS

Human Evolutionary Ecology	Adolescent Behavior and Development
Primates	Reproduction Life History Theory

RESEARCH AND DATA ANALYSIS EXPERIENCE

2008 – present Freelance Statistical Analysis, Employee satisfaction data, multiple companies, John Geddie and Associates

2002-2017 Primate Enrichment Program at the Rio Grande Zoo, Albuquerque, NM.

Duties: Helped to create and supervise an enrichment program for the primates at the Rio Grande Zoo in Albuquerque, NM. This population includes chimpanzees, orangutans, gorillas, siamangs, guenons, de Brazza’s monkeys, spider monkeys, tamarins, capuchins, lemurs, and lorises. The program also provides enrichment to cats, carnivores, polar bears, and birds.

Goals: Collect baseline behavioral data on polar bears, analyze said data to determine rates of undesirable behaviors, and then follow them to determine the effects of enrichment. Supervise undergraduate research projects, including the utilization of enrichment by gorillas and by spider monkeys, chimpanzee utilization of extractive foraging puzzles (honey dipping, ant dipping, etc.),

- differences in maternal style of a natural mother and a surrogate mother (gorillas).
- 2000-2002 Dissertation research (Effects of Socio-Ecological Variables on the Timetable of Adolescent Maturation in Captive Female Baboons (*Papio hamadryas anubis*)) at the Southwest Foundation for Biomedical Research and Southwest National Primate Center.
- Goal: to determine how differences in nutrition and social status translate into differences in the pattern and timing of adolescent female maturation. Data analyses included ANOVA, multiple regression, logistic regression, MIXED modeling, and survivor analysis.
- 1999 Broad survey of *Macaca tonkeana* in Tanjung Api, Sulawesi, Indonesia
- Goal: to determine the relative abundance and viability of the population of *Macaca tonkeana* within Tanjung Api, to determine the severity of threats through hunting, poaching for pets, and habitat destruction towards the above population
- 1998-99 Compilation of database with 129 primate species containing information on physical parameters (body size, brain size, etc.), socio-ecological variables, and life-history information
- Products: Kaplan, H. Gangestad, S., Gurven, M., Lancaster, J., Mueller, T. and Robson, A. The evolution of diet, brain and life history among primates and humans. In *Guts, Brains, Food and the Social Life of Early Hominids*. W. Roebucks, ed. Leiden: University of Leiden Press. 2007 pp.47-90.
- Kaplan, H. K., Mueller, T. M., Gangestad, S., and Lancaster, J. B. Neural Capital and Life Span Evolution Among Primates and Humans. In: C. E. Finch, J-M. Robine, and Y. Christen (eds.) *Brain and Longevity*. New York: Springer-Verlag, 2003, pp. 69-97.
- 1996 Volunteer Primate Keeper, International Center for Gibbon Studies, Santa Clarita, CA
- Duties: general care and maintenance of the facility, daily feedings of 30 captive gibbons, assistance with medical procedures, and daily behavioral observations
- 1993-95 Population ecology of rodents in Southwest Virginia (Dr. Jack Cranford, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, VA)
- Duties: head of the autopsy project responsible for removing and weighing reproductive organs in various species of *Peromyscus*, *Sorex*, *Blarina*, *Microtus*, etc.; field trapping of above species for ear tagging and field measurements
- Goal: to determine if population level differences exist between spring breeders and fall breeders (*Peromyscus spp.*) – are the differences heritable variation with a genetic basis, or due to ecological conditions

1992

Effects of Cocaine on the Re-uptake of Norepinephrine in rats. Department of Pharmacology/Toxicology, Medical College of Virginia

PUBLICATIONS

- Mueller, T. M. *Review of Zooland: The Institution of Captivity.* Journal of Anthropological Research. Albuquerque: University of New Mexico Press. 2015.
- Kaplan, H. Gangestad, S., Gurven, M., Lancaster, J., Mueller, T. and Robson, A. The evolution of diet, brain and life history among primates and humans. In *Guts, Brains, Food and the Social Life of Early Hominids.* W. Roebucks, ed. Leiden: University of Leiden Press. 2007 pp.47-90.
- Mueller, T. M. *Effects of Socio-Ecological Variables on the Timetable of Adolescent Maturation in Captive Female Baboons (Papio hamadryas anubis).* Ph.D. Dissertation, University of New Mexico, 2005.
- Kaplan, H. K., Mueller, T. M., Gangestad, S., and Lancaster, J. B. Neural Capital and Life Span Evolution Among Primates and Humans. In: C. E. Finch, J-M. Robine, and Y. Christen (eds.) *Brain and Longevity.* New York: Springer-Verlag, 2003, pp. 69-97.

IN PREPARATION

- Mueller, T. M. *Primates in Captivity: History, Policy, Care and Conservation.* In negotiation with Springer.
- Mueller, T. M. Mothering twins: observations of captive born chimpanzee twins (*Pan troglodytes*) across the first six months of life. To be submitted to the American Journal of Primatology
- Mueller, T. M. The success of environmental enrichment in reducing stereotypes in captive polar bears (*Ursus maritimus*). To be submitted to Zoo Biology
- Mueller, T. M. Failure rates for first pregnancy in captive adolescent female baboons (*Papio hamadryas anubis*). To be submitted to American Journal of Primatology.
- Mueller, T. M. Is there a typical pattern of adolescent development among captive female baboons (*Papio hamadryas anubis*)? To be submitted to American Journal of Primatology.
- Mueller, T. M., Kaplan, H. The effects of social rank on growth patterns in captive adolescent female baboons (*Papio hamadryas anubis*). To be submitted to American Journal of Physical Anthropology.

PRESENTATIONS

- Mueller, T. M. and Ortiz, O. Thinking Outside the Box: Exploring Cognitive Enrichment in Captive Golden Lion Tamarins (*Leontopithecus rosalis*). American Society of Primatologists, Sacramento, CA, June 2012
- Mueller, T. M. and Reyna, A. The Emergence of Sex Based Learning Biases. Human Evolution and Behavior Society, Albuquerque, NM, June 2012

- Mueller, T. M. Comparing cycles between adolescent and adult female baboons: Can cycle length estimate early pregnancy? American Society of Primatologists, San Diego, CA, September 2009.
- Mueller, T. M. Failure rates for first pregnancy in captive adolescent female baboons (*Papio hamadryas anubis*). American Society of Primatologists, San Antonio, TX, August 2006.
- Mueller, T. M. The Effects of Social Rank on Growth Patterns in Captive Adolescent Female Baboons (*Papio hamadryas anubis*). American Society of Primatologists, Portland, OR, July 2005.
- Mueller, T. M. Factors Affecting Age at First Cycle in Captive Baboons (*Papio hamadryas anubis*). American Society of Primatologists, Oklahoma City, OK, June 2002.
- Mueller, T. M., Schillaci, M. A., Babo, R., and Froehlich, J. W. Preliminary Survey of the Population and Habitat of the Tonkean Macaque (*Macaca tonkeana*) in Tanjung Api, Sulawesi, Indonesia. Poster Presentation, American Society of Primatologists, Boulder, CO, June 2000.
- Kaplan, H. K., Gangestad, S., Mueller, T. M., and Lancaster, J. B. Life Histories and the Evolution of Primate Brains. American Society of Primatologists, Boulder, CO, June 2000.
- Kaplan, H. K., Gangestad, S., Mueller, T. M., and Lancaster, J. B. Embodied Capital and the Co-evolution of Brains and Longevity. Human Behavioral Ecology Society, Amherst, MA, June 2000
- Mueller, T. M., Schillaci, M. A., Babo, R., and Froehlich, J. W. Preliminary Survey of the Population and Habitat of the Tonkean Macaque (*Macaca tonkeana*) in Tanjung Api, Sulawesi, Indonesia. Anthropology Graduate Student Symposium, Albuquerque, NM, March 2000.

PROFESSIONAL MEMBERSHIPS

American Society of Primatology

Animal Behavior Society

International Society of Primatology

Human Behavior and Evolution Society