

CURRICULUM VITAE

Name

Steven R. Leigh, Ph.D.

Contact Information

Work:

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I. BACKGROUND INFORMATION

A. Educational Background

Northwestern University; B.A., Anthropology, 1980
University of Tennessee, Knoxville; M.A., Anthropology, 1985
Northwestern University; Ph.D., Anthropology, 1992

B. Research Interests

Human Evolution; Evolution of Growth and Development; Host-Microbe Interactions

C. List of Academic Positions since Final Degree

1991-1992: Lecturer, Department of Anthropology, Northwestern University, Evanston, IL
1992-1994: Postdoctoral Associate and Research Instructor, Department of Anatomy and the Doctoral Program in Anthropological Science, State University of New York, Stony Brook, Stony Brook, NY
1994-1999: Assistant Professor, Department of Anthropology, University of Illinois, Urbana, IL
1999-2006: Associate Professor, Department of Anthropology, University of Illinois, Urbana, IL
2005-2009: Affiliate, Institute for Genomic Biology, University of Illinois, Urbana, IL
2006-2012: Professor, Department of Anthropology, University of Illinois, Urbana, IL
2006-2010: Head, Department of Anthropology, University of Illinois, Urbana, IL
2008-2012: Professor, Department of Surgery, University of Illinois College of Medicine (0% time appointment)
2009-2012: Professor, Institute for Genomic Biology, University of Illinois, Urbana, IL

- 2010-2012: Associate Dean for Sciences, College of Liberal Arts and Sciences, University of Illinois, Urbana, IL
- 2012-Present: Affiliate, Carl Woese Institute for Genomic Biology, University of Illinois, Urbana, IL
- 2012-2017: Dean, College of Arts and Sciences, University of Colorado Boulder, Boulder, CO
- 2012-Present: Professor, Department of Anthropology, University of Colorado Boulder, Boulder, CO

D. Honors, Recognitions, and Outstanding Achievements

- 1988 Aleš Hrdlička Student Paper Prize. Annual meeting of the American Association of Physical Anthropologists, “Cranial Capacity Evolution in *Homo erectus* and early *Homo sapiens*.”
- 1991 Student Paper Prize, Sigma Xi, Northwestern University Chapter, University-wide Graduate Student Paper Competition. “Ontogeny and Sexual Dimorphism in Primates.”
- 1999-2000 Helen Corley Petit Endowed Associate Professorship.
- 2004 University of Illinois Anthropology Departmental Distinguished Service Award
- 2006-Present Member, Center for Academic Research and Training in Anthropogeny (CARTA) University of California San Diego
- 2008-Present Fellow, American Association for the Advancement of Science, Anthropology, Section H

E. Grants Received

External

- 1990 Steven R. Leigh, PI, Sigma Xi Research Grant, “Preliminary Analysis of the Ontogeny of Sexual Dimorphism in Anthropoid Primates.” \$450.00
- 1991 Steven R. Leigh Wenner-Gren Foundation for Anthropological Research, “Growth and Sexual Dimorphism in Primates.” \$2500.00
- 1993 Steven R. Leigh, PI, National Science Foundation BNS 9225084, “Primate Growth Data Collection from the London Zoo.” \$2214.00.
- 1997 Steven R. Leigh, PI, LSB Leakey Foundation, “Ontogeny and Phylogeny in *Parapapio*.” \$3,000.00
- 1997 Steven R. Leigh, PI, Wenner-Gren Foundation for Anthropological Research: “Ontogeny and Phylogeny in *Parapapio*: Implications for human evolution.” \$400.00
- 1997-2002 Steven R. Leigh, PI, National Science Foundation, SBR 9707361, Physical Anthropology Program, “Ontogeny, Phylogeny, and Heterochrony in Old World Monkeys.” \$234,732.00.
- Research Experiences for Undergraduates and Supplements SBR 9707361:*
 - 1998 Steven R. Leigh, PI, National Science Foundation, SBR 970361-REU Physical Anthropology Program, Research Experience for Undergraduate Supplement to existing award, \$2350.00
 - 2000 Steven R. Leigh, PI, National Science Foundation, SBR 970361-REU Physical Anthropology Program, Research Experience for Undergraduate Supplement to existing award, \$2800.00

- 2000 Steven R. Leigh, PI, National Science Foundation, SBR 970361 Physical Anthropology Program, Genetics and Skeletal Morphology Supplement to existing award, \$7614.00 (with Co-PIs Dr. Jeff Rogers, Dr. Leslea Hlusko).
- 2000 Steven R. Leigh, PI, National Science Foundation, Research Experience for Undergraduates (Supplement to existing award, SBR 970361), \$2,800.00
- 2000 Steven R. Leigh, PI, Jeffrey Rogers (Co-PI, Southwest Foundation for Biomedical Research) National Science Foundation. "Genetics and Skeletal Morphology of the Baboon (Supplement to existing award, SBR 970361)," \$7,614.00.
- 2004 Steven R. Leigh, PI, Robin M. Bernstein (Co-PI), National Science Foundation, "Doctoral Dissertation Improvement: Hormones and Body Size Evolution in Old World Monkeys," SBR 0339050, \$9,500.00.
- 2004-2007 Steven R. Leigh, PI, National Institutes of Health P51 RR13986, Pilot Study Program Southwest National Primate Research Center, "Imaging Analyses of the Developing Baboon Brain," \$99,505.00.
- 2006-2007 Steven R. Leigh, PI, National Science Foundation, Proposal No: 0622411, "Doctoral Dissertation Improvement: The Ontogeny of Feeding Behavior in Nicaraguan Mantled Howler Monkeys (*Alouatta palliata*)" with Ms. Melissa Raguette Schofield. \$9020.00.
- 2006-2007 Steven R. Leigh, PI, National Science Foundation, Proposal No: 0622420, "Doctoral Dissertation Improvement: The Evolution of the Supraorbital Pattern of Growth and Development in the Genus *Homo*" with Ms. Jodi Blumenfeld. \$4653.00
- 2008-2011 Rebecca Stumpf, PI, Brenda Wilson, Steven Leigh, and Abigail Salyers (Co-PIs), National Science Foundation, Proposal No: 0820709, "Comparative Primate Vaginal Microbial Ecology." \$299,700.00
- 2008-Present Steven R. Leigh, PI, Bryan White, Karen E. Nelson, Rebecca Stumpf, Bryan White Co-PIs) National Science Foundation, Proposal No: 0935347, "Microbes, diet, and hominin evolution: Metagenomic and comparative approaches." 2009-2018, \$2,470,000.00. (Subcontract to University of Colorado-Boulder, 2015-2018).

Internal at Illinois (Since promotion to Associate Professor)

- 2000 Steven R. Leigh and Tanya Miller (co-PI's), McNair Minority Scholar Fellowship Program funds in support of undergraduate research project, \$800.00
- 2002 Steven R. Leigh and Leigh Ann Martinez (co-PI's), Student Research Opportunities Program (SROP), Graduate College, UIUC funds in support of undergraduate research project, \$1,000.00

F. Other Professional Employment

- 1974-1975 (Summers). Volunteer Field Assistant, Shorter College and University of Georgia Archaeological Projects. The King Site, Floyd

County, Georgia. Patrick H. Garrow and David A. Hally, Principal Investigators.
1976 (Summer). Volunteer Field Assistant, Shorter College Archaeological Project. The Griffin Site, Floyd County, Georgia. Roger Grosser, Principal Investigator.

G. Professional Consultations

- 1988 Consulting Archaeologist and Field Forensic Anthropologist, Illinois Organized Crime Task Force. Assisted state and federal law enforcement officials in locating and recovering organized crime murder victims. Lt. Larry Casey, Illinois State Police, field supervisor.
1991 Consulting Physical Anthropologist for the city of Winnetka, IL. Directed excavation and analysis of human skeletal remains impacted during road repairs.
1998 Human Skeletal Analysis Consultant, Illinois Public Service Archaeology Program, project IHPA 970910002JMN.
2000 Forensic case consultation (with Dr. L. Klepinger) for Illinois State Police.
2000 Forensic case consultation (with Dr. L. Klepinger) for Illinois State Police.

II. PUBLICATIONS AND CREATIVE WORKS

A. Doctoral thesis title

"Ontogeny and Sexual Dimorphism in Anthropoid Primates," Northwestern University, 1992.

B. Books Edited or Co-Edited (in print or accepted)

- 1.) 1988 Charles, DK, Leigh, SR, and Buikstra, JE. The Archaic and Woodland Cemeteries at the Elizabeth Site in the Lower Illinois Valley. Kampsville, IL, Center for American Archaeology.
- 2.) 1996 Garber, PA and Leigh, SR. Readings in the Biological Bases of Human Behavior. New York: Simon and Schuster.
- 3.) 2006 Swedell, L and Leigh, SR (eds.). Reproduction and Fitness in Baboons. New York: Springer Press.

C. Articles in Journals (in print or accepted)

- # Denotes any publication derived from thesis.
- * Denotes publication that has undergone stringent editorial review by peers.
- + Denotes publication that was invited and carries special prestige and recognition.

- 1.) *1991 Leigh, SR, and Cheverud, JM. Sexual dimorphism in the baboon facial skeleton. American Journal of Physical Anthropology 84:193-208.

- 2.) *1992 Cheverud, JM, Kohn, LAP, Konigsberg, LW, and Leigh, SR. The effects of fronto-occipital artificial cranial vault modification on the cranial base and face. *American Journal of Physical Anthropology* 88:323-346.
- 3.) *+1992a Leigh, SR. Cranial capacity evolution in *Homo erectus* and Early *Homo sapiens*. *American Journal of Physical Anthropology* 87:1-13.
- 4.) *+#1992b Leigh, SR. Patterns of variation in the ontogeny of primate body size dimorphism. *Journal of Human Evolution* 23:27-50.
- 5.) 1992c Leigh, SR. Body weight in captive lowland gorillas. *The Gorilla Gazette* 6(3):1-3.
- 6.) *1993 Kohn, LAP, Leigh, SR, Jacobs, SC, Cheverud, JM. Effects of annular cranial vault modification on the cranial base and face. *American Journal of Physical Anthropology* 90:147-168.
- 7.) *1994 Leigh SR and Jungers, WL. A re-evaluation of subspecific variation and canine dimorphism woolly spider monkeys (*Brachyteles arachnoides*). *American Journal of Physical Anthropology* 95:435-442.
- 8.) *1994a Leigh, SR. Relations between captive and non-captive weights in anthropoid primates. *Zoo Biology* 13:21-43.
- 9.) *1994b Leigh, SR. Ontogenetic correlates of diet in anthropoid primates. *American Journal of Physical Anthropology* 94:499-522.
- 10.) *1995 Kohn, LAP, Leigh, SR, and Cheverud, JM. Asymmetric vault modification in Hopi crania. *American Journal of Physical Anthropology* 98:173-196
- 11.) *#1995 Leigh, SR. Socioecology and the ontogeny of sexual size dimorphism in anthropoid primates. *American Journal of Physical Anthropology* 97:339-356.
- 12.) *#1995 Leigh, SR and Shea, BT. Ontogeny and the evolution of adult body size dimorphism in apes. *American Journal of Primatology* 36:37-60.
- 13.) +#1996a Leigh, SR. Ontogeny and the evolution of body size dimorphism in primates. *Anthropologie (Brno)* XXXIII/1-2:17-28.
- 14.) *1996b Leigh, SR. Evolution of human growth spurts. *American Journal of Physical Anthropology* 101:455-474
- 15.) 1996c Leigh, SR. Current Anthropology Comment on "Biology and body size in human evolution: statistical inference misapplied" by Smith, Richard J., *Current Anthropology* 37:451-482.
- 16.) *+1996 Leigh, SR, and Shea, BT. The ontogeny of body size variation in African apes. *American Journal of Physical Anthropology* 99:43-65.
- 17.) *1997 Bicknevicius, AR, and Leigh, SR. Patterns of growth of the mandibular corpus in spotted hyenas (*Crocuta crocuta*) and cougars (*Puma concolor*). *Journal of the Linnaean Society of Zoology* 120:139-161.
- 18.) *1997 Garber, PA, and Leigh, SR. Ontogenetic variation in small-bodied New World Primates: Implications for patterns of reproduction and infant care. *Folia Primatologia* 68:1-22.
- 19.) *1998 Smith, RJ, and Leigh, SR. Sex dimorphism in primate neonatal body mass. *Journal of Human Evolution* 34:173-201.

- 20.) *1998 Leigh, SR and Terranova, CJ. Comparative perspectives on bimaturism, ontogeny and dimorphism in lemurid primates. *International Journal of Primatology* 19:723-750.
- 21.) *1998 Leigh, SR, and Park, PB. Evolution of human growth prolongation. *American Journal of Physical Anthropology* 107:331-350.
- 22.) *1998 Leigh, SR. Chimp research. Letter to the Editor. *Science* 282: 47b.
- 23.) *1999 Rehg, JA, and Leigh, SR. Estimating sexual dimorphism and size differences in the fossil record: a test of methods. *American Journal of Physical Anthropology* 110:95-104.
- 24.) +2000 Leigh, SR Questioning practice in paleoanthropology—Reply to G.A. Clark. *American Anthropologist* 102(4):853-855.
- 25.) *2001 Garber, PA, and Leigh, SR. Patterns of positional behavior in mixed species troops of *Callimico goeldii*, *Saguinus labiatus*, and *Saguinus fuscicollis* in northwestern Brazil. *American Journal of Primatology* 54:17-31.
- 26.) *+2001 Leigh, SR. The evolution of human growth. *Evolutionary Anthropology* 10:223-236.
- 27.) 2002 Bullington, J, and Leigh, SR. Rock art revisited. Letter to the Editor. *Science* 296:467.
- 28.) *2003 Balasse, M, Ambrose, SH, Smith, AB, and Leigh, SR. Determining birth seasonality of prehistoric sheep by analysis of tooth enamel oxygen isotope ratios. *Journal of Archaeological Science* 30: 205-215
- 29.) *2003 Leigh, SR, Shah, N, and Buchanan, LS. Ontogeny and phylogeny in papionin primates. *Journal of Human Evolution* 45:285-316.
- 30.) *+2004 Leigh, SR. Brain growth, life history, and cognition in primate and human evolution. *American Journal of Primatology* 63:139-164.
- 31.) *2005 Leigh, SR, Setchell, JM, and Buchanan, LS. Ontogenetic bases of canine dimorphism in anthropoid primates. *American Journal of Physical Anthropology* 127:296-311
- 32.) *2006a Leigh SR. Brain ontogeny and life history in *Homo erectus*. *Journal of Human Evolution* 50:104-108
- 33.) *2006b Leigh SR. Cranial ontogeny in *Papio* baboons (*Papio hamadryas*). *American Journal of Physical Anthropology* 130:71-84.
- 34.) *2007 Bernstein, RM, Leigh, SR, Donovan, SM, and Monaco, MH. The hormonal regulation of ontogeny in baboons (*Papio anubis*) and mangabeys (*Cercocebus atys*). *American Journal of Physical Anthropology* 132:247-260.
- 35.) *2007 Williams, FL, Ackermann, RR, and Leigh, SR. Inferring Plio-Pleistocene southern African biochronology from facial affinities in *Parapapio* and other fossil papionins. *American Journal of Physical Anthropology* 132:163-174.
- 36.) *2007 Leigh, SR. Homoplasy and the evolution of ontogeny in papionin primates. *Journal of Human Evolution* 52:536-558.
- 37.) *2007 Bernstein, RM, Leigh, SR, Donovan, SM, and Monaco, M. Hormonal correlates of ontogeny in baboons (*Papio hamadryas anubis*) and mangabeys (*Cercocebus atys*). *American Journal of Physical Anthropology* 136:156-168.

- 38.) *2008 Leigh, SR, Setchell, JM, Chapentier, M, Knapp, LA, and Wickings, EJ. Canine tooth size and fitness in male mandrills (*Mandrillus sphinx*). *Journal of Human Evolution* 55:75-85.
- 39.) *2009 Kim TK, Thomas SM, Ho M, Sharma S, Reich CI, Frank JA, Yeater KM, Biggs DR, Nakamura N, Stumpf R, Leigh SR, Tapping RI, Blanke SR, Slauch JM, Gaskins HR, Weisbaum JS, Olsen GJ, Hoyer LL, Wilson BA. Heterogeneity of vaginal microbial communities within individuals. *Journal of Clinical Microbiology* 47(4):1181-9.
- 40.) *2009 Nakamura, N, Leigh, SR, Mackie, R, Gaskins, HR. Microbial community analysis of rectal methanogens and sulfate reducing bacteria in two non-human primate species. *Journal of Medical Primatology* 38:360-370.
- 41.) *2009 Jeters, RT, Rivera, AJ, Boucek, LM, Stumpf, RM, Leigh, SR, Salyers, AA. Antibiotic resistance genes in the vaginal microbiota of primates not normally exposed to antibiotics. *Microbial Drug Resistance* 15:309-315.
- 42.) * 2010. Rivera, AJ, Stumpf, R, Wilson, BA, Leigh, SR, Salyers, AA. Baboon vaginal microbiota: an overlooked aspect of primate physiology. *American Journal of Primatology* 72:467-474.
- 43.) *2010 Yeoman, CJ, Yildirim, S, Thgomas, SM, Durkin, AS Torralba, Sutton, G, Buhay, CJ, Ding, Y, Dugan-Rocha, SP, Muzny, DM, Qui, X, Gibbs, RA, Leigh, SR, Stumpf, R, White, BA, Highlander, Nelson, KE, Wilson, BA. Comparative genomics of *Gardnerella vaginalis* strains reveals substantial differences in metabolic and virulence potential. *PLoS One* 5(8): e12411. PMID: 20865041.
- 44.) *2010 Yildirim, S, Yeoman, CJ, Sipos, M, Torralba, M, Wilson, BA, Goldberg, TL, Stumpf, RM, Leigh, SR, White, BA, Nelson, KE. Characterization of the fecal microbiome from non-human wild primates reveals species specific microbial communities. *PLoS One*. 5(11): e13963. PMID: 21103066.
- 45.) *2011 Yeoman, CJ, Chia, N, Yildirim, S, Miller, ME, Kent, A, Stumpf, RM, Leigh, SR, Nelson, KE, White, BA, Wilson, BA. Towards an evolutionary model of animal-associated microbiomes. *Entropy* 13:570-594.
- 46.) *2012 Leigh, SR. Brain growth and life history in human evolution. *Evolutionary Biology*, 39:587-599.
- 47.) *2013 Yeoman, CJ, Thomas, SM, Berg-Miller, ME, Ulanov, AV, Torralba, M, Gillis, M, Gomez, A, Ho, M, Leigh, SR, Stumpf, RM, Creedon, DJ, Smith, MA, Weisbaum, JS, Nelson, KE, Wilson, BA, White, BA. A multi-omic systems-based approach reveals metabolic markers of bacterial vaginosis and insight into disease. *PLoS ONE*, 8:e56111. doi: 02/2013; 8:e561. PMID: 23405259.
- 48.) *2013 Amato, KA, Yeoman, CJ, Kent, A, Righini, N, Estrada, A, Stumpf, RM, Yilidirim, S, Torralba, M, Gillis, M, Wilson, BA, Nelson, KE, White, BA, Leigh, SR. Habitat degradation impacts primate gastrointestinal microbiomes. *Int. Soc. Microb. Ecol. (ISME)*, 7:1344-1352. doi:10.1038/ismej.2013.16. PMID: 23486247.

- 49.) *+ 2013 Stumpf, RM, Wilson, BA, Rivera, A, Yildirim, S, Yeoman, CJ, Polk, JD, White, BA, Leigh, SR. The primate vaginal microbiome: comparative context and implications for human health and disease. Yearbook Phys. Anth. Dec. doi: 10.1002/ajpa.22395. PMID: 24166771.
- 50.) *2014. McCord, AI, Chapman, CA, Weny, G, Temukunde, A, Hyeroba, D, Klotz, K, Koblings, AS, Mborra, DN, Cregger, M, White, BA, Goldberg, TL. Fecal microbiomes of non-human primates in Western Uganda reveal species-specific communities largely resistant to habitat perturbation. Am. J. Primatol. 76:347-354. doi: 10.1002/ajp.22238. PMID: 24285224.
- 51.) *2014. Yildirim, S, Yeoman, CJ, Janga, SC, Thomas, SM, Ho, M, Leigh, SR, Primate Microbiome Consortium, White, BA, Wilson, BA, Stumpf, RM. Primate vaginal microbiomes exhibit species specificity without universal *Lactobacillus* dominance. Int. Soc. Microb. Ecol. (ISME), 8:2431-2344. doi: 10.1038/ismej.2014.90. PMID: 25036926.
- 52.) *2014. Amato, KR, Leigh, SR, Kent, A, Mackie, RI, Yeoman, CJ, Stumpf, RM, Wilson, BA, Nelson, KE, White, BA, Garber, PA. The role of gut microbes in satisfying the nutritional demands of adult and juvenile wild, black howler monkeys (*Alouatta pigra*). Am. J. Phys. Anthropol. doi:10.1002/ajpa22621.
- 53.) *2015. Amato, KR, Leigh, SR, Kent, A, Mackie, RI, Yeoman, CJ, Stumpf, RM, Wilson, BA, White, BA, Garber, PA. The gut microbiota appears to compensate for seasonal diet variation in the wild black howler monkey (*Alouatta pigra*). Microb. Ecol., 69:434-443. doi:10.1007/s00248-014-0554-7. PMID: 25524570.
- 54.) *2015. Amato, KR, Martinez-Mota, R, Righini, N, Raguét-Schofield, M, Corcione, FP, Marini, E, Humphrey, G, Gogul, G, Gaffney, J, Lovelace, E, L, Williams, Luong, A, Dominguez-Bellow, MG, Stumpf, RM, White, B, Nelson, KE, Knight, R, Leigh, SR. Phylogenetic and ecological factors impact the gut microbiota of two Neotropical primate species. Oecologia, 180:717-713-733. doi:10.1007/s00442-015-3507-z. PMID: 26597549.
- 55.) *2015. Amato, KR, Yeoman, CJ, Cerda, G, Schmitt, C, Danzy-Cramer, J, Berg-Miller, M, Gomez, A, Turner, T, Wilson, BA, Stumpf, RM, White, B, Nelson, KE, Knight, R, Leigh, SR. Variable responses of human and non-human primate gut microbiomes to a Western diet. Microbiome, 16,3:53 doi: 10.1186/s40168-015-0120-7. PMID:26568112.
- 56.) *2015. Amato, KR, Leigh, SR, Kent, A, Mackie, RI, Yeoman, CJ, Stumpf, RM, Wilson, BA, Nelson, KA, White, BA, Garber, PA. The gut microbiota appears to compensate for seasonal diet variation in the wild black howler monkey (*Alouatta pigra*). Microbial Ecology, 69:434-443. doi: 10.1007/s00248-014-0554-7. PMID: 25524570.
- 57.) *2015. Gomez, A, Petřelková, K, Yeoman CJ, Mrázek, J, Koppova, I, Carbonero, F, Ulanov, A, Modry, D, Todd, A, Torralba, M, Nelson, KE, Gaskins, HR, Wilson, BA, Stumpf, RM, White, B, Leigh, SR. Gut microbiome composition and metabolomic provides of wild western lowland gorillas (*Gorilla gorilla gorilla*) reflect host ecology. Mol. Ecol. 24:2551-2565. doi:10.1111/mec.13181.

- 58.) *2016. Gomez, A, Rothman, JM, Petrželková, K, Yeoman, CJ, Vlčková, K, Umaña, JD, Carr, M, Modry, D, Todd, A, Torralba, M, Nelson, KE, Stumpf, RM, Wilson, BA, Blehman, R, White, BA, Leigh, SR. Temporal variation selects for diet-microbe co-metabolic traits in the gut of *Gorilla* sp. ISME J. 10:514-526. doi: [10.1038/ismej.2015.146](https://doi.org/10.1038/ismej.2015.146) Erratum in: [ISME J. 2016 Feb;10\(2\):532](https://doi.org/10.1038/ismej.2016.02.01). PMID 26315972.
- 59.) *2016. Gomez, A, Petrželková, KJ, Burns, MB, Yeoman, CJ, Amato, KR, Vlčková, K, Modry, D, Todd, A, Robinson, CAJ, Remis, MJ, Torralba, MG, Umaña, JD, Carbonero, F, Gaskins, HR, Nelson, KE, Wilson, BA, Stumpf, RM, White, BA, Leigh, SR, Blehman, R. Gut microbiome of coexisting BaAka Pygmies and Bantu reflects gradients of traditional subsistence patterns. Cell Reports, 14:2142-2153. doi: <http://dx.doi.org/10.1016/j.celrep.2016.02.01>. PMID: 26923597.
- 60.) *2016. Vlčková, K, Gomez, A, Petrželková, KJ, Whittier, CA, Todd, AF, Yeoman, CJ, Nelson, KE, Wilson, BA, Stumpf, RM, Modry, D, White, BA, Leigh, SR. Effect of antibiotic treatment on the gastrointestinal microbiome of free-ranging western lowland gorillas (*Gorilla g. gorilla*). Microb. Ecol. 72:943-954. doi: [10.1007/s00248-016-0745-5](https://doi.org/10.1007/s00248-016-0745-5). PMID: 26923597.
- 61.) *2016. Pavé, R, Kowalewski, MM, Zunino, GE, Leigh, SR. Sex differences in the behavior of wild *Alouatta caraya* infants. Primates 57:521-532. doi: [10.1007/s10329-016-0539-x](https://doi.org/10.1007/s10329-016-0539-x). PMID: 27097805.
- 62.) *2016. Stumpf, RM, Gomez, A, Amato, KR, Yeoman, CJ, Polk, JD, Wilson, BA, Nelson, KE, White, BA, Leigh, SR. Microbiomes, metagenomics, and primate conservation: New strategies, tools, and applications. Biol. Cons. 199:56-66. <https://doi.org/10.1016/j.biocon.2016.03.035>
- 63.) *2016. Bennett, G, Malone, M, Sauther, ML, Cuozzo, FP, White, BA, Nelson, KE, Stumpf, RM, Knight, R, Leigh, SR, Amato, KR. Host age, social group, and habitat type influence the gut microbiota of wild ring-tailed lemurs (*Lemur catta*). Am. J. Primatol. 78:883-892. doi: [10.1002/ajp.22555](https://doi.org/10.1002/ajp.22555). PMID: 27177345.
- 64.) *2017. Amato KR, Van Belle, S, Di Fiore, A, Estrada, A, Stumpf, RM, White, BA, Nelson, KE, Knight, R, Leigh, SR. Patterns in gut microbiota similarity associated with degree of Sociality among sex classes of a neotropical primate. Microb. Ecol. 74:250-258. doi: [10.1007/s00248-017-0938-6](https://doi.org/10.1007/s00248-017-0938-6). PMID: 28124727.
- 65.) *2017. Raulo, A, Ruokolainen, L, Lane, A, Amato, KR, Knight, R, Leigh, SR, Stumpf, RM, White, BA, Nelson, KE, Baden, AL, Tecot, SR. Social behaviour and gut microbiota in red-bellied lemurs (*Eulemur rubriventer*): In search of the role of immunity in the evolution of sociality. J. Anim. Ecol. 87:388-399. doi: [10.1099/mic.0.000587](https://doi.org/10.1099/mic.0.000587). PMID: 29205327.
- 66.) *2018. Vlčková, K, Shutt-Phillips, K, Heisterman, M, Petrželková, KJ, Todd, AF, Modry, D, Nelson, KE, Wilson, BA, Stumpf, RM, White, BA, Leigh, SR, Gomez A. Impact of stress on the gut microbiome of free-ranging western lowland gorillas. Microbiol. 164:40-44. doi: [10.1099/mic.0.000587](https://doi.org/10.1099/mic.0.000587). PMID: 29205130.

D. Chapters in Books (in print or accepted)

- 1.) 1988a Charles, DK, Leigh, SR, and Buikstra, JE. Excavation Methodology. In DK Charles, SR Leigh, and JE Buikstra (eds). *The Archaic and Woodland Cemeteries at the Elizabeth Site in the Lower Illinois Valley*. Kampsville, IL, Center for American Archaeology. pp.18-28.
- 2.) 1988b Leigh, SR, Charles, DK, and Albertson, DG. Middle Woodland Component. In DK Charles, SR Leigh, and JE Buikstra (eds). *The Archaic and Woodland Cemeteries at the Elizabeth Site in the Lower Illinois Valley*. Kampsville, IL, Center for American Archaeology. pp. 41-84.
- 3.) 1988c Charles, DK, Leigh, SR, Albertson, DG/ Late Woodland and Unassignable Components. In DK Charles, SR Leigh, and JE Buikstra (eds). *The Archaic and Woodland Cemeteries at the Elizabeth Site in the Lower Illinois Valley*. Kampsville, IL, Center for American Archaeology. pp. 85-102.
- 4.) 1988d Leigh, SR. Comparative Analysis of the Elizabeth Middle Woodland Artifact Assemblage. In DK Charles, SR Leigh, and JE Buikstra (eds). *The Archaic and Woodland Cemeteries at the Elizabeth Site in the Lower Illinois Valley*. Kampsville, IL, Center for American Archaeology. pp. 191-217.
- 5.) *1993 Shea, BT, Leigh, SR, and Groves, CP. Multivariate craniometric variation in chimpanzees: implications for species identification in paleoanthropology. In WH Kimbel and L Martin (eds). *Species, Species Concepts, and Primate Evolution*. New York: Plenum Press. pp. 265-296.
- 6.) 1994 Leigh, SR. The Woodpecker Bluff Site. In BD Stafford (ed). *Central Illinois Expressway Archaeology: Upland Occupations of the Illinois Valley Crossing*. Kampsville, IL: Kampsville Archaeological Center, pp. 165-168.
- 7.) *+2002 Pereira, ME, and Leigh, SR. Phases and modes of primate juvenility. In P. Kappeler and M. Periera (eds) *Primate Life Histories and Socioecology*. Chicago: University of Chicago Press. pp. 149-176.
- 8.) *+2003 Leigh, SR, Park, PB, Konigsberg, LW, and Relethford, JH. Morphological differentiation of *Gorilla* subspecies. In AB Taylor and ML Goldsmith (eds) *Gorilla Biology: A Multidisciplinary Perspective*. Chicago: Univ. of Chicago Press. pp. 104-131.
- 9.) +2003 Antón, S, and Leigh, SR. Growth and life history in *Homo erectus*. In JL Thompson, GE Krovitz, and AJ Nelson, (eds) *Patterns of Growth and Development in the Genus Homo*. Cambridge University Press. pp. 219-245.
- 10.) +2007 Leigh SR, and Blomquist, GE. Life History. In *Primates in Perspective*. C Campbell, A Fuentes, KC MacKinnon, M Panger and S Bearder (eds). New York: Oxford University Press, pp. 396-407.
- 11.) 2006 Swedell, L, and Leigh, SR. Introduction. In L Swedell and SR Leigh (eds). *Reproduction and Fitness in Baboons*. New York: Springer Press, pp. 1-16.

- 12.) *2006 Leigh, SR, and Bernstein, RM. Ontogeny, Life History, and Maternal Reproductive Strategies in Baboons. In L Swedell and SR Leigh (eds). *Reproduction and Fitness in Baboons*. New York: Springer Press, pp. 225-256
- 13.) +2007 Leigh, SR. Growth and Development of Baboons. In JL Vandeberg, S Williams-Blangero, and S Tardif (eds). *The Baboon in Medical Research, Vol. 3*. Southwest Foundation for Biomedical Research. New York: Springer Press, pp. 57-88.
- 15.) *+2008 Blomquist, G, Kowalewski, M, and Leigh, SR. Demographic and Morphological Perspectives on Life History Evolution and Conservation of New World Monkeys. In P Garber, A Estrada, JC Bicca-Marques, E Heymann, and KB Strier (eds). *New World Primates*, pp. 117-138.
- 16.) +2010 Leigh, SR, and Blomquist, GE. Life History. In C Campbell, A Fuentes, KC MacKinnon, M Panger and S Bearder (eds). *Primates in Perspective, Second Edition*. New York: Oxford University Press.

E. Abstracts (in print or accepted)

- 1.) 1985 Leigh, SR. Ontogenetic and static allometry of the Neandertal and modern hominid palate. *American Journal of Physical Anthropology* 66:195.
- 2.) 1988 Leigh, SR. Comparisons of rates of evolutionary change in cranial capacity in *Homo erectus* and early *Homo sapiens*. *American Journal of Physical Anthropology* 75:237-238.
- 3.) 1989 Leigh, SR, and Cheverud, JM. A finite-element scaling study of growth, allometry, and sexual dimorphism in the baboon skull (*Papio* sp.). *American Journal of Physical Anthropology* 78:259-260.
- 4.) 1991 Konigsberg, LW, Kohn, LAP, Leigh, SR, and Cheverud, JM. Cranial modification, nonmetric traits, and biological distance. *American Journal of Physical Anthropology Supplement* 12:107.
- 5.) 1991 Leigh, SR. The ontogeny of body size dimorphism in anthropoid primates. *American Journal of Physical Anthropology Supplement* 12:113.
- 6.) 1992 Leigh, SR. Ontogeny and the evolution of body size dimorphism in anthropoid primates. *American Journal of Physical Anthropology Supplement* 14:107-108.
- 7.) 1993 Leigh, SR and Shea, BT. Ontogeny and body size dimorphism in extant hominoid primates. *American Journal of Physical Anthropology Supplement* 16:133.
- 8.) 1994 Leigh, SR. Diet and ontogeny in anthropoid primates. *American Journal of Physical Anthropology Supplement* 18:120.
- 9.) 1995 Shah, N, and Leigh, SR. Cranial ontogeny in three papionin genera. *American Journal of Physical Anthropology Supplement* 20:194.
- 10.) 1995 Leigh, SR and Garber, PA. The ontogeny of body size variation in New World monkeys. *American Journal of Physical Anthropology Supplement* 20:133.

- 11.) 1996 Leigh, SR, and Konigsberg, LW. Intraspecific discrete trait polymorphism in African apes: implications for variation in the fossil record. *American Journal of Physical Anthropology Supplement* 22:147.
- 12.) 1997 Terranova, CJ, and Leigh, SR. Ontogenetic bases of adult size variation in lemurs. *American Journal of Physical Anthropology Supplement* 24:227.
- 13.) 1997 Rehg, JA, and Leigh, SR. Estimating sexual dimorphism and size differences in the fossil record: a test of methods. *American Journal of Physical Anthropology Supplement* 24:195
- 14.) 1997 Leigh, SR. The evolution of human growth. *American Journal of Physical Anthropology Supplement* 24:153.
- 15.) 1998 Leigh, SR, and Relethford, JH. Morphological differentiation of gorilla subspecies. *American Journal of Physical Anthropology Supplement* 25:149
- 16.) 1998 Bicca-Marques, JC, Wojciechowski, SA, and Leigh, SR. Heterochronic consequences of size reduction in the dentition and hands of callitrichidae. *American Journal of Physical Anthropology Supplement* 25:111.
- 17.) 1998 Antón, SC, and Leigh, SR. Paedomorphosis and Neoteny in Human Evolution. *Journal of Human Evolution* 34(3):A2.
- 18.) 1999 Buchanan, LS, and Leigh, SR. Patterns of craniometric sexual dimorphism in papionin primates. *American Journal of Physical Anthropology Supplement* 28:100.
- 19.) 1999 Lee, SJ, Buchanan, LS, and Leigh, SR. Size, scaling, and heterochrony in the genus *Papio*. *American Journal of Physical Anthropology Supplement* 28:180-181.
- 20.) 1999 Park, PB, Leigh, SR, and Konigsberg, LW. Craniometric discrete trait variation in *Gorilla gorilla*. *American Journal of Physical Anthropology Supplement* 28:218
- 21.) 2000 Bernstein, RM, Rowan, KR, and Leigh, SR. New dental age standards for baboons (*Papio hamadryas anubis*) and mangabeys (*Cercocebus atys*). *American Journal of Physical Anthropology Supplement* 30:107.
- 22.) 2001 Leigh, SR. Growth development and life history in papionin primates. *The XIIIth Congress of the International Primatological Society, Abstracts* p. 304.
- 23.) 2001 Garber, PA, and Leigh, SR. Scaling and size reduction in tamarins. *American Journal of Physical Anthropology Supplement* 32:68.
- 24.) 2001 Leigh, SR. Ontogeny, phylogeny, and heterochrony in human evolution. *American Journal of Physical Anthropology Supplement* 32:97.
- 25.) 2002 Leigh, SR. Brain growth, life histories, and cognition in primate and human evolution. *American Journal of Physical Anthropology Supplement* 24:101.
- 26.) 2002 Bernstein, RM, Leigh, SR, Siegel, M, and Donovan, S. IGF-I bioavailability and patterns of body size variation. *American Journal of Physical Anthropology Supplement* 24:44.

- 27.) 2003 Bernstein, RM, Leigh, SR, Donovan, SM, and Monaco, MH. Integration among hormonal parameters of growth in baboons: Implications for patterns of maturation and reproduction. *American Journal of Physical Anthropology Supplement* 25:65
- 28.) 2003 Blomquist, GE, Kowalewski, MM, and Leigh, SR. A phylogenetic approach to quantifying the relationship between age at first reproduction and maximum lifespan. *American Journal of Physical Anthropology, Supplement* 25:68
- 29.) 2003 Kowalewski, MM, Blomquist, GE, and Leigh, SR. Life history and folivory in primate species: The importance of juveniles. *American Journal of Physical Anthropology Supplement* 25:132-133.
- 30.) 2003 Leigh, SR, and Bernstein, RM. Ontogeny, life history, and maternal reproductive strategies in baboons. *American Journal of Physical Anthropology Supplement* 25:138.
- 31.) 2004 Blumenfeld, J, Leigh, SR, Spencer-Smith, J, and Weber, DE. A New Portable Scanning System for the Acquisition of Data from Three-Dimensional Objects. *Canadian Association of Physical Anthropologists*
- 32.) 2004 Leigh, SR, and Bernstein, RM. Evolution of primate life histories. *American Journal of Physical Anthropology Supplement* 38:134
- 33.) 2004 Raguette-Schofield, ML, and Leigh SR. *Papio* brain and sulcal growth: a comparison with *Macaca*. *American Journal of Physical Anthropology Supplement* 38:164.
- 34.) 2005 Williams, FL, Ackerman, RR, and Leigh, SR. Craniofacial growth and development in *Parapapio* and other Plio-Pleistocene southern African cercopithecines. *American Journal of Physical Anthropology Supplement* 40:223.
- 35.) 2005 Leigh, SR. Ontogenetic allometry in the papionin face. *American Journal of Physical Anthropology Supplement* 40:137.
- 36.) 2005 Blumenfeld, J, Leigh, SR, Spencer-Smith, J and Weber, DE. A new portable scanning system for the acquisition of data from three-dimensional objects. *American Journal of Physical Anthropology Supplement* 40:74-75.
- 37.) 2006 Leigh, SR, Setchell, JM, Charpentier, M, Knapp, LA, and Wickings, EJ. Canine tooth weaponry, male fitness, and the evolution of sexual dimorphism in mandrills (*Mandrillus sphinx*) *American Journal of Physical Anthropology Supplement*, 42:120
- 38.) 2008 Leigh, SR. Brain growth in human evolution. *American Journal of Physical Anthropology Supplement*, 46:138-139.
- 39.) 2009 Leigh, SR, Bernstein, RM, and Konigsberg, LW. Dental eruption, age estimation, and life history in papionin primates. *American Journal of Physical Anthropology Supplement*, 48:138-139.
- 40.) 2010 Jelinek, PE, Erickson, K, and Leigh, SR. Sexual dimorphism of the sub-cortical structures in the adult human brain using MRI. *American Journal of Physical Anthropology Supplement*, 50:134.
- 41.) 2010 Stumpf, RM, Yildirim, S, Leigh, SR, Salyers, AA, White, BA, Irwin, M, Goldberg, TL, Alberts, SC, Altmann, J, and Wilson, BA. Comparative

- primate vaginal microbiota. *American Journal of Physical Anthropology Supplement*, 50:226.
- 42.) 2010 Yildirim, S, Wilson, BA, Salyers, AA, Stumpf, RM, Goldberg, TL, Toralba, M, Nelson, KE, White, BA, and Leigh, SR. Intestinal microbial community composition in monkey. *American Journal of Physical Anthropology Supplement*, 50:249.
- 43.) 2011 Amato, K, Yeoman, CJ, Righinin, N, Kent, A, Estrada, A, Munoz, D, Stumpf, RM, White, BA, Nelson, KE, Torralba, M, Gillis, M, and Leigh, SR. Gastrointestinal microbial community composition and habitat structure in howler monkeys (*Alouatta pigra*). *American Journal of Physical Anthropology Supplement*, 52:75.
- 44.) 2011 Jelinek, PE, Leigh, SR, and Erickson, KI. Allometry of sexual dimorphism in sub-cortical structures of the human brain. *American Journal of Physical Anthropology Supplement*, 52:178.
- 45.) 2011 Polk, JD, Leigh, SR, Stumpf, RM, Rosengren, K, and Kramer, A. Brain size and endurance running in human Evolution. *American Journal of Physical Anthropology Supplement*, 52:241.
- 46.) 2011 Yildirim, S, Rivera, A, Leigh, SR, Yeoman, CJ, White, BA, Goldberg, TL, Wilson, BA, and Stumpf, RM. Vaginal microbial community structure and maternal ecology in primates. *American Journal of Physical Anthropology Supplement*, 52:315-316.
- 47.) 2012 Wright, C, Nelson, KE, Stumpf, RM, Leigh, SR, White, BA, Yeoman, CJ. A metagenomics interrogation of primates. *J. Biomol. Tech.* 23(Suppl. 6), S6.
- 48.) 2012 Yeoman, CJ, Stumpf, RM, White, BA, Wilson, BA, Nelson, KA, Torralba, M, Gillis, M, Mugisha, L, Leigh, SR. Metagenomic comparisons of gastrointestinal microbial function in hominoids. *American Journal of Physical Anthropology Supplement*, 54:308.
- 49.) 2013 Amato, KR, Leigh, SR, Kent, AD, Yeoman, CJ, Stumpf, RM, Torralba, M, Gillis, M, Wilson, BA, Nelson, KA, White, BA, Garber, PA. Age and sex differences in the behavior, diet, and gut microbial communities of black howler monkeys (*Alouatta pigra*). *American Journal of Physical Anthropology Supplement*, 56:67-68.
- 50.) 2013 Britton, GA, Yeoman, CJ, Fashing, PJ, Nguyen, N, Swedell, L, White, BA, Wilson, BA, Stumpf, RM, Nelson, KE, Torralba, M, Gillis, M, Leigh, SR, Dominy, N. Microbial adaptations facilitate non-ruminant *Theropithecus gelada* grazing behavior in northern Ethiopia. *American Journal of Physical Anthropology Supplement*, 56:88-89.
- 51.) 2013 Gomez, A, Yeoman, CJ, White, BA, Petzelkova, K, Todd, A, Stumpf, RM, Nelson, KE, Torralba, M, Gillis, M, Wilson, BA, Leigh, SR. Characterization of the gastrointestinal bacterial communities of western lowland gorillas (*Gorilla gorilla gorilla*). Gomez, A, Yeoman, CJ, White, BA, Petzelkova, K, Todd, A, Stumpf, RM, Nelson, KE, Torralba, M, Gillis, M, Wilson, BA, Leigh, SR. *American Journal of Physical Anthropology Supplement*, 56:132-133.
- 52.) 2014 Cepon-Robins, TJ, Anton, SC, Crowder, CM, Duren, DL, Fernandez-Duque, E, Leigh, SR, Madiemenos, F, McGraw, WS, Middleton, E,

- Rainwater, CW, Schmit, C, Sherwood, RJ, Stinson, S, Stubblefield, P, Turner, T, Valeggia, C, and Snodgrass, JJ. Next steps and best practices in primatology, human biology, forensic anthropology, and paleoanthropology for the Bones and Behavior Project. *American Journal of Physical Anthropology Supplement*, 58:92-93.
- 53.) 2014 Leigh, SR, Amato, KR, Kent, AD, Yeoman, CJ, Torralba, M, Gillis, M, Wilson, BA, Nelson, KE, Gomez, A, White, BA, Stumpf, RM. Comparative perspectives on primate microbiomes. *American Journal of Physical Anthropology Supplement*, 58:167-168
- 54.) 2014 Yeoman, CJ, Yildirim, S, Leigh, SR, Wilson, BA, White, BA, Jasinska, J, Cramer, JD, Turner, T, Cerda, G, Miller, ME, Carr, M, Torralba, M, Gillis, M, Nelson, KE, Stumpf, RM. The vervet microbiome: determinants of microbial community composition and insights into health and disease. *American Journal of Physical Anthropology Supplement*, 58:279.
- 55.) 2015 Amato, KR, Raguette-Schofield, M, Righini, N, Martinez-Mota, R, Knight, R, Stumpf, RM, Nelson, KE, White, BA, Leigh, SR. Determinants of the gut microbiota of Mesoamerican howler monkeys (*Alouatta pigra* and *Alouatta palliata*). *American Journal of Physical Anthropology Supplement*, 60:69m, doi: 10.1002/ajpa/22718.
- 56.) 2016 Amato, KR, Van Belle, S, DiFiore, A, Estrada, A, Stumpf, RM, White BA, Nelson, KE, Knight, R, Leigh, SR. The impact of kinship and social contact on the gut microbiota of wild, black howler monkeys (*Alouatta pigra*). *American Journal of Physical Anthropology Supplement* 62:79, doi: 10.1002/ajpa22955.
- 57.) 2016 Stumpf, RM, Gomez, A, Amato, KR, Polk, JD, Leigh, SR. The microbiome and primate conservation. *American Journal of Physical Anthropology Supplement* 62:306, doi: 10.1002/ajpa22955.
- 58.) 2017 Asangba, AE, Mugisha, L, Nelson, KE, Leigh, SR, Wilson, BA, White, BA, Stumpf, RM. Comparison of the oral, rectal, vaginal, and penile microbiome in semi-free ranging Eastern chimpanzees (*Pan troglodytes schweinfurthii*). *American Journal of Physical Anthropology Supplement*, 64:104, doi: 10.1002/ajpa.23218.
- 59.) 2018 Asangba, AE, Mugisha, L, Lewis, RJ, Halajian, A, Leigh, SR, Stumpf, RM. Comparing non-human primate microbiomes from multiple body habitats. *American Journal of Physical Anthropology Supplement* 66 (in press).

F. Book Reviews (in print or accepted)

- 1.) 1994 Leigh, SR. Review of "The Discovery of Evolution" by D Young. *Human Biology* 66:728-730.
- 2.) 1994 Leigh, SR. Review of "Facial Growth in the Rhesus Monkey" by E Schniederman. *American Scientist* 81:490-491.
- 3.) 1995 Leigh, SR. Review of "Systat for Windows, Version 5." *Quarterly Review of Biology*. 70:382-384.
- 5.) *1995 Leigh, SR. Growing up to be a primate: Review essay of "The Evolution of Life Histories" and "Juvenile Primates: Life History,

- Development, and Behavior.” Edited by M Pereira and L Fairbanks. *Evolutionary Anthropology* 3:106-108.
- 6.) 1996 Leigh, SR. Current Anthropology Comment on “Biology and body size in human evolution: statistical inference misapplied” by RJ Smith. *Current Anthropology* 37:451-482.
 - 7.) 1998 Leigh, SR. Review of “Ache Life History” by K Hill and AM Hurtado. *Journal of Human Evolution*. 34:438-441.
 - 8.) 2000 Leigh, SR. Review of “Conceptual Issues in Modern Human Origins Research” by GA Clark and CM Willermet. *American Anthropologist* 101:861-863.
 - 9.) 2000 Leigh, SR. Review of “Comparative Primate Socioecology” PC Lee (ed.), *American Journal of Physical Anthropology* 113:141-143.
 - 10.) 2002 Leigh, SR. Review of “Biology, Brains, and Behavior: The Evolution of Human Development.” S Taylor Parker, J Langer, and ML McKinney (eds.). *International Journal of Primatology* 23:1137-1139.
 - 11.) 2002 Leigh, SR. Review of “Human Evolution through Developmental Change.” N Minugh-Purvis and K McNamara (eds.). *Journal of Human Evolution* 43:768-770.
 - 12.) 2002-May, 2006, editor for 120 book reviews published or in press, *American Journal of Physical Anthropology*.
 - 13.) 2007 Leigh, SR. Review of “The Evolution of Human Life History.” KK Hawkes and RR Paine (eds). *American Journal of Human Biology* 19:897-898.
 - 14.) 2007 Leigh, SR. Review of “Variation: A Central Concept in Biology.” B Halgrimsson and BK Hall (eds). *International Journal of Primatology* 28:1191-1192.

G. Other—Technical Reports

- 1.) 1988 Leigh, SR, and Farnsworth, KB. The Blue Island Mound Group. In Reports of Investigations of the Pike County Conservation Area. KB Farnsworth (ed.) Kampsville, Il: Kampsville Archaeological Center.
- 2.) 2000 Leigh, SR. Physical anthropology and the job market. *Physical Anthropology Newsletter*, Fall 2000 (<http://www.physanth.org/fall00.pdf>).
- 3.) 2000 Leigh, SR. Appendix B: Beardstown skeletal remains analysis. In Archaeological Investigations of the Beardstown Original City Cemetery (11CS892) in Cass County, Illinois. J.M. McDowell. Public Service Archaeology Program Research Report No. 46. Urbana, Il: Public Service Archaeology Program.
- 4.) 2002 Leigh, SR, and Blumenfeld, J. Kendall County PSAP Project 00-035 Report on Osteological Materials Excavated 10/28/2002
- 5.) 2004 Blumenfeld, J, and Leigh, SR. Rock Island County PSAP Project 02-082 Report on Osteological Materials Excavated 07/2002
- 6.) 2004 Kriesa, PP, McDowell, JM, Walz, GR, Leigh, SR, Blumenfeld, JA and Flynn, C. Investigation of the Stellwagen Cemetery (11WI2646) Under HSRPA Permit No. 2002-22 In Will County, Illinois. Public Service Archaeology Program Research Report No. 65.

- 7.) 2015 Leigh, SR, Site and excavation descriptions. In K Farnsworth and KA Atwell (eds.) *Excavations at the Blue Island and Naples-Russell Mounds and Related Hopewellian Sites in the Lower Illinois Valley*. Research Reports of the Illinois State Archaeological Survey, vol. 34. University of Illinois.

H. Invited Lectures and Invited Conference Presentations Since Promotion to Associate Professor

- 2001 (February). "Morphology and the Evolution of Life Histories." Paleoanthropology Seminar, National Museum of Natural History, Smithsonian Institution, Washington, DC.
- 2001 (November). "Embryos, Ancestors, and the Evolution of Human Ontogeny." Department of Anthropology, George Washington University.
- 2002 (April). "Morphology and the Evolution of Primate Life Histories." Department of Anthropology, University of Missouri, Columbia.
- 2002 (November). "Brain Growth, Life Histories, and Cognition in Primate and Human Evolution." International Symposium "Evolution of the Apes and the Origins of Human Beings." Center of Excellence Conference, Ministry of Education, Culutre, Sports Science, and Technology, University of Kyoto, Japan Primate Center, Inuyama, Japan.
- 2002 (November). "The Evolution of Life Histories." International Symposium "Evolution of the Apes and the Origins of Human Beings." Center of Excellence Conference, Ministry of Education, Culutre, Sports Science, and Technology, University of Kyoto, Japan Primate Center, Inuyama, Japan.
- 2003 (April). "Brain Ontogeny and Primate Life History Evolution. Department of Anthropology, George Washington University.
- 2004 (April). "Brain Growth, Life History, and Cognition in Human and Primate Evolution." Southern California Primate Research Forum, Pomona College, Claremont, CA.
- 2004 (May). "Growth, Development, and Evolution of Cranial Form in Old World Monkeys." Department of Anthropology, Harvard University.
- 2004 (November). "Brain Ontogeny and Life History in Human and Primate Evolution." Department of Anthropology, New York University.
- 2005 (February). "The Evolution of Life Histories in New World Monkeys." XIth Congress of the Brazilian Primatological Society, Porto Alegre, RS, Brazil.
- 2005 (April). "Brain Growth, Development, and Life History in Primates." Committee on Evolutionary Biology, University of Chicago.
- 2006 (April). "Evolution of Primate Life History." Department of Anthropology, University of Wisconsin, Madison.
- 2006 (October). "Brain Growth and Life History in Human Evolution." Departments of Anthropology and Evolution, Ecology, and Organismal Biology, The Ohio State University.
- 2006 (October). "Brain Growth in Human Evolution." Project for Explaining the Origins of Humans, La Jolla, CA.

- 2007 (October). "Life History and Developmental Modularity in *Papio baboons*." "Evolutionary Anthropology at the Interface" a conference in honor of Clifford Jolly
- 2007 (October). "The Human Brain as an Evolving Phenotype." Neuroscience Program, University of Illinois, Urbana-Champaign.
- 2008 (January). "The Evolution of the Human Brain Size Growth." Arizona State University
- 2008 (March). "The Evolution of the Human Brain Size Growth." University of New Mexico
- 2011 (February) "Microbes in Human and Primate Evolution." University of Texas, Austin
- 2012 (December) "Diets and Microbes in Primates." University of California, San Diego, Center for Academic Research and Training in Anthropogeny

III. RESIDENT INSTRUCTION

A. Supervision of Graduate Student Research

Graduates-Ph.D.

- Rehg, Jennifer A., Ph.D., 1996-2003, "Polyspecific Associations of *Callimico goeldi*, *Saguinus labiatus*, and *Saguinus fuscicollis*, in Acre, Brazil. Now at Southern Illinois University Edwardsville, associate professor.
- Bernstein, Robin M., Ph.D., 1997-2004, "Hormones and Body Size Evolution in Old World Monkeys." Now at University of Colorado Boulder, associate professor.
- Blomquist, Gregory, Ph.D., 2001-2007, "Quantitative Genetics of Life History Microevolution in the Cayo Santiago Rhesus Macaques (*Macaca mulatta*)." Now at University of Missouri, Columbia, associate professor.
- Raguet-Schofield, Melissa, Ph.D., 2004-2010, "The Ontogeny of Feeding Behavior in Mantled Howler Monkeys (*Alouatta palliata*). Now at Colorado State University, instructor
- Jelinek, Petra, Ph.D., 2002-2013, "Patterns of Variation and Allometry in sub-cortical Structures of the Human Brain: an Evaluation of Sex Differences and Age." Now at University of Illinois, instructor.

Graduates-M.A.

- Schober, Theresa, MA, 1996-1997, "Isotopic Variation in Human Skeletal Remains."
- Park, Paul B., MA, 1996-2000, "The Evolution of the Human Brain."

Matriculating Graduate Student

Stinespring-Harris, Ashley, ABD 2012, University of Illinois

Postdoctoral Scholar Supervision

Dr. Carl Yeoman, 2010-2013, Assistant Professor, Montana State University

Dr. Katherine Amato, 2014-2016, Assistant Professor, Northwestern University

Graduate Examination Committees, University of Illinois

Adams, Brian, Ph.D., 1996, "The Middle to Upper Pleistocene Transition in the Bukk Mountain Region of Central Europe."

Lambert, Joanna E., Ph.D., 1997, "Digestive Strategies, Fruit Processing, and Seed Dispersal in the Chimpanzees (*Pan troglodytes*) and Red-Tailed Monkeys (*Cercopithecus ascanius*) of Kibale National Park, Uganda."

West, Jolee, Ph.D., 1997, "A Taphonomic Investigation of Aquatic Reptiles (*Crocodylus trionyx* and *pelusios*) at Lake Turkana, Kenya: Significance for Early Hominid Ecology at Olduvai Gorge."

Bicca-Marques, Julio Cesar, Ph.D., 1999, "Cognitive Aspects of Within-Patch Foraging Decisions in Wild Diurnal and Nocturnal New World Monkeys."

Pruetz, Jill, Ph.D., 1999, "Sociology of Adult Female Vervet (*Cercopithecus aethiops*) and Patas Monkeys (*Erythrocebus patas*) in Kenya: Food Availability, Feeding Competition, and Dominance Relationships."

Noll, Michael P., Ph.D., 2000, "Components of Acheulean Lithic Assemblage Variability at Olorgesailie, Kenya."

Wright, Barth W, Ph.D., 2004, "Ecological Distinctions in Diet, Food Toughness, and Masticatory Anatomy in a Community of Six Neotropical Primates in Guyana, South America."

Stone, Anita, Ph.D., 2004, "Juvenile Feeding Ecology and Life History in a Neotropical Primate, The Squirrel Monkey (*Saimiri sciureus*)."

Hollinger, R. Eric, Ph.D., 2005, "Conflict and Culture Change in the Late Prehistoric and Early Historic American Midcontinent."

Nakamura, Noriko, 2008, "Comparative Analysis of Primate Hydrogentrophic Bacteria." External committee member for Department of Animal Sciences

Graduate Examination Committee, University of Colorado Boulder

Ang, Hui, Ph.D. 2016. Genetic Variability, Diet Metabarcoding, and Conservation of Colobine Primates in Vietnam.

Graduate Examination Committee, external

Li, Yizheng, Ph.D. 2002, "Postnatal Development of Pelvic Sexual Dimorphism in Four Anthropoid Primates." Johns Hopkins University.

B. Other Contributions to Instructional Programs

1996 – Present. Regular contributor to departmental graduate student grant-writing and professionalization seminars.

- 2001 Guest lecture, Anthropology 240, "Introduction to Biological Anthropology" on forensic anthropology.
- 2003 Guest lecture, Anthropology 240, "Introduction to Biological Anthropology" on forensic anthropology.
- 2004 Guest lecturer, Anthropology 268, "Images of the Other" on race in biological anthropology
- 2004 Guest lecture, Anthropology 240, "Introduction to Biological Anthropology" on forensic anthropology.
- 2007 Guest lecture, Anthropology 240, "Introduction to Biological Anthropology" on forensic anthropology.
- 2008 Guest lecture, Anthropology 240, "Introduction to Biological Anthropology" on forensic anthropology.
- 2015 Guest lecture, History 1218, "History of Africa" on human evolution in Africa

Illinois courses developed include:

- Anthropology 408: Human Evolutionary Anatomy Lab
- Anthropology 410: Human Evolutionary Anatomy
- Anthropology 550: Proseminar in Biological and Cultural Evolution
- Anthropology 431: History of Bioanthropology
- Anthropology 438: Primate Life History Evolution
- Anthropology 551: Ontogeny and Phylogeny

C. Early instructional website (de-activated)

- 1996-2000 Web site for biological anthropology and archaeology programs, University of Illinois. Address: <http://ampere.scale.uiuc.edu/anth102>. The site supplemented Anthropology 102, and consisted of 219 text files, 134 images.

D. Teaching Recognition (University of Illinois)

- 1995 (Fall) Incomplete List of Teachers Ranked as Excellent, Anth 398, 340
- 1996 (Spring) Incomplete List of Teachers Ranked as Excellent (outstanding), Anth 340
- 1996 (Fall) Incomplete List of Teachers Ranked as Excellent, Anth 440
- 1997 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 340
- 1998 (Fall) Incomplete List of Teachers Ranked as Excellent, Anth 340
- 1999 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 340
- 1999 (Fall) Incomplete List of Teachers Ranked as Excellent, Anth 459, 450
- 2000 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 340
- 2000 (Spring) Departmental Award for Excellence in Undergraduate Teaching, Anth 240
- 2002 (Spring) Incomplete List of Teachers Ranked as Excellent (outstanding), Anth 398
- 2003 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 440
- 2004 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 398
- 2004 (Fall) Incomplete List of Teachers Ranked as Excellent, Anth 499
- 2010 (Spring) Incomplete List of Teachers Ranked as Excellent, Anth 431

E. Teaching and Research Assistantships

Archaeology

- 1978 (Summer). Field Instructor, Northwestern University Archaeological Field School. The Helton Mortuary Site, Greene County, Illinois. Jane E. Buikstra, Principal Investigator.
- 1979 - 1985 (Summers). Field Director, Northwestern University Archaeological Field School. Elizabeth Mortuary Site, Pike County, Illinois. Jane E. Buikstra, Principal Investigator.
- 1981 - 1985 (Summers). Site Director, Elizabeth Mortuary Site, Pike County, Illinois. Jane E. Buikstra, Principal Investigator.
- 1986 (Summer). Site Director, Center for American Archaeology. Blue Island Mortuary Site, Pike County, Illinois. Kenneth Farnsworth, Principal Investigator.

Biological Anthropology and Anatomy

- 1982-1985 (Fall). Teaching Assistant. Dental Gross Anatomy, Northwestern University
- 1987 (Fall). Teaching Assistant. Dental Gross Anatomy, Northwestern University
- 1989 (Fall). Teaching Assistant. Dental Gross Anatomy, Northwestern University
- 1990 (Fall). Teaching Assistant. Medical Gross Anatomy, Northwestern University
- 1987 (Summer). Research Assistant. "Finite-Element Scaling Analysis of Cercopithecoid Primates." James M. Cheverud, Principal Investigator.
- 1989 (Summer). Research Assistant. "Finite-Element Scaling Analysis of Artificial Cranial Deformation." James M. Cheverud, Principal Investigator.
- 1989 (Fall). Research Assistant. "Cranial Morphology and Systematics in Chimpanzees and Bonobos." Brian T. Shea, Principal Investigator.
- 1990 (Summer). Research Assistant. "Finite-Element Scaling Analysis of Artificial Cranial Deformation." James M. Cheverud, Principal Investigator.

IV. SERVICE (PROFESSIONAL/DISCIPLINARY, UNIVERSITY, AND PUBLIC)

A. Offices Held in Professional Societies

- 2016-2020 Elected Member-at-Large, American Association for the Advancement of Science, Section H, Anthropology
- 2018-Present Elected Vice President, American Association of Physical Anthropologists

B. Editorships of Journals or Other Learned Publications

- 1999–2002 Associate Editor, *Physical Anthropology Newsletter*.
- 2000–2002 Associate Editor, *Journal of Human Evolution*.
- 2002–2006 Book Review Editor, *American Journal of Physical Anthropology*.

2005–2007 Associate Editor, *Journal of Human Evolution*.
2008–2012 Co-editor, *Journal of Human Evolution*
2012–Present. Associate Editor, *Journal of Human Evolution*.

- C. Review Panels (e.g., for Governmental Agencies, Educational Institutions)
2003 (August). External reviewer for the Caribbean Primate Research Center Museum, University of Puerto Rico, San Juan, Puerto Rico.
2007-2009 Panelist, NSF Physical Anthropology Program, Senior Research Proposals
2011 Panelist, NSF, Physical Anthropology Program, Human Origins: Moving in New Directions (HOMINID)
2012 (April). External reviewer, University of California, San Diego Anthropology graduate program.
2013 (April). External reviewer, Texas A&M Department of Anthropology
2014 (February). External reviewer, University of Michigan Department of Anthropology.
2016 (March). External reviewer, University of Hawai'i, Manoa College of Social Sciences.

D. Article Reviews

American Journal of Physical Anthropology
American Journal of Primatology
American Naturalist
Evolutionary Anthropology
Journal of Human Evolution
Journal of Quantitative Anthropology
Molecular Development and Evolution
North American Actuarial Journal
Primates
Proceedings of the National Academy of Sciences
Trends in Ecology and Evolution
Zoo Biology
Proceedings of the National Academy of Sciences
Science

Grant Proposal Reviews

CUNY Faculty Research Foundation
National Science Foundation, Physical Anthropology Program
Wenner-Gren Foundation for Anthropological Research
Canadian Institutes of Health Research
National Science Foundation, Division of Advanced Scientific Computing
National Science Foundation, Integrative Biology
University of Illinois Research Board
Natural Environment Research Council (U.K.)

E. Overview of Service

Service activities have included consulting work for law enforcement agencies, disciplinary service in the form of participation in annual meetings, university service as a member of department and college committees, and significant levels of community service. My primary service contribution at Illinois was as a member of the Graduate College Fellowship Board (2001-2006), with roles including committee member, Area Committee Chair, and Executive Committee Chair. The Fellowship Board reviewed scores of fellowship and grant applications during the academic year. I also chaired two campus-wide committees centering on undergraduate education and graduate education. Departmental service included standard committee work, along with serving as head of numerous faculty searches, as well as guiding the migration of instruction in Medical Human Gross Anatomy to the Anthropology Department. Service to the Illinois' College of Liberal Arts and Sciences involved a wide range of activities, including serving on search committees for staff positions and fundraising. I have made major commitments to community service. More recently, I have played a national role in serving on program committees for the AAU Arts and Sciences and PAC12 Arts and Sciences deans meeting (2014-2016), and host institution of the PAC12 Arts and Sciences deans meeting (2016). On campus, I served as the co-chair of Colorado's Grand Challenge Initiative, Our Space, Our Future (2014-2015). I served on the steering committee for our campus Diversity, Inclusion, and Academic Excellence Plan. Service to my discipline includes panel membership on an American Association of Physical Anthropologists panel on sexual harassment (2016), and more recently, nomination as vice president of the association. I am a member of the College Board's Advanced Placement Higher Education Advisory Committee.

1. Public Service

- 1995 Lecture to Undergraduate Anthropology Students Association:
"Heritability as a Biological Weapon: Bell Curves and the Mismeasure of Genes."
- 1995-1997 Lectures on the skeletal system to Urbana elementary students
- 1998 Lecture to Undergraduate Anthropology Student Association:
"Paedomorphosis in Human Evolution."
- 1996 Invited Lecture: "Recent Developments in Human Paleontology."
Presented at the Clark-Lindsay Retirement Village, Urbana
- 1997 Presentations on anatomy to elementary school students, Leal Elementary School, Urbana
- 1999-2001 Presentations on human evolution to elementary school students, Countryside School, Champaign
- 2002 Presentation to University High School students, "The Concept of Race in Anthropology."
- 2003 Urbana High School (UHS) Boys' Soccer Team Booster Club Vice-president.
- 2003-2004 Design, production, and publication of athletic events program for the Urbana High School Girls' and Boys' Basketball teams
- 2004 Urbana High School Boys' Soccer Team Booster Club President.

- 2004 (Fall) Website design and maintenance, UHS Boys' Soccer Team
- 2004 Design, production, and publication of event program for Spring Performance, Champaign-Urbana Ballet Company.
- 2004-present Website design and maintenance, Champaign-Urbana Ballet Company (www.cuballet.com)
- 2005 Urbana High School Boys' Track Team Booster Club Vice-President.
- 2005 Website design and maintenance, UHS Boys' Track and Soccer Teams

2. Service to Disciplinary and Professional Societies or Associations

- 1996 Symposium Chair, "Human Evolution: Early *Homo* and General Models: Contributed Papers," American Association of Physical Anthropologists, Annual Meeting.
- 1997 Judge for American Association of Physical Anthropologists Student Paper Competition.
- 1998 Judge for American Association of Physical Anthropologists Student Paper Competition.
- 1999 Judge for American Association of Physical Anthropologists Student Paper Competition.
- 1998 Certification as Human Skeletal Analyst, Illinois Historic Preservation Agency.
- 1998 Symposium Chair, American Association of Physical Anthropologists Annual Meeting.
- 1999 Nominee for Electoral Nominating Committee, Section on Anthropology, American Association for the Advancement of Science.
- 2003 Conference co-organizer (with Dr. Larissa Swedell) "Life History, Reproductive Strategies, & Fitness in Baboons." 2003 American Association of Physical Anthropologists meetings
- 2011 Electoral Nominating Committee, Section on Anthropology, American Association for the Advancement of Science
- 2014-2015 AAU Deans Meeting, annual meeting organizing committee
- 2015-2016 AAU Deans Meeting, annual meeting organizing committee
- 2015-2016 PAC12 Deans Meeting host institution, organizing committee
- 2018 Advance planning committee for annual meeting of the American Association of Physical Anthropologists

3. University/Campus/Department/Disciplinary/National/International Service

University of Illinois

- 1994 Graduate Admissions and Financial Aid Committee.
- 1995-1997 Patricia O'Brien Undergraduate Student Paper Award Committee.
- 1995 Biological Anthropology Faculty Search Committee.
- 1995 *Ad hoc* Committee on Photographer Staff Position.
- 1996 Assisted Graduate Admissions and Financial Aid Committee with statistical summaries of graduate applicants.
- 1995-2010 Osteology and Native American Graves Protection and Repatriation Act committee. This committee is responsible for departmental compliance with this statute.
- 1996 Graduate Admissions and Financial Aid Committee.

1996-1998 Chair, Department Development Committee.
 1997 Graduate Admissions and Financial Aid Committee.
 1997-1998 Editor, Illinois Anthropology Alumni Newsletter.
 1997 Member, North American Archaeology Faculty Search Committee
 1998 Member, Biological Anthropology Faculty Search Committee
 1998 (Fall) Lecture on paedomorphosis in human evolution. Undergraduate Anthropology Student Association
 1998 (Spring) Organized and executed Biological Anthropology Seminar Series, Spring, 1998 (Anthropology 398B)
 1998 Chair, Biological Anthropology Faculty Search Committee
 1999 LAS Nominee to the Athletic Board.
 1999 Member, Department Courses and Curricula Committee
 2000 Chair, Biological Anthropology Faculty Search Committee
 2000 McNair Minority Scholar Fellowship Program, faculty mentor for Ms. Tanya Miller, Summer.
 2000 Member, Prof. Susan Gillespie fifth year review Committee
 2000 (Spring) LAS Policy and Development Committee
 2000 (Spring) Member, Prof. Andrew Orta third year review committee
 2000 (Spring) Member, Departmental Summer Research Funding Committee
 2001 (Spring) Member, Prof. Leslea Hlusko first year review committee
 2001 (Spring) Chair, Prof. Brian Richmond second year review committee
 2001 Member, Archaeology Search Committee
 2001 Member, Graduate Student Grievance Committee
 2001-2003 Chair, TOPS committee
 2002 (Spring) Chair, Department of Anthropology Summer Research Funding Committee, Spring
 2002 (Spring) Dr. Alejandro Lugo fifth year review Committee
 2002 Student Research Opportunities Program (SROP), Graduate College, UIUC, faculty mentor for Ms. Leigh Ann Martinez, Summer.
 2002 (Fall) Anthropology Colloquium Series Presentation (with Matti Bunzl): "Was Boas Right? And Why Does It Matter?"
 2002-2003 Member, Graduate Admissions Committee
 2002-2003 Chair, Biological Anthropology Faculty Search Committee
 2001-2003 Member, University of Illinois Graduate College Fellowship Behavioral and Social Sciences Area Committee.
 2003 (Spring) Chair, Prof. L. Hlusko second year review Committee
 2003 (Spring) Member, Departmental Awards Committee
 2003 Discussant for: "The Challenge of Creationism;" Illinois Program for Research in the Humanities, Panel on Creationism.
 2003-2004 Chair, University of Illinois Graduate College Fellowship Board, Behavioral and Social Sciences Area Committee.
 2004 (Spring) Chair, Department of Anthropology Summer Research Committee
 2005-2006 Chair, University of Illinois Graduate College Fellowship Executive Committee.
 2004-2005 Chair, Biological Anthropology Faculty Search Committee
 2004-2005 Chair, Department Admissions and Financial Aid Committee

2004-2006 Member, University of Illinois Graduate College Executive Committee
2004-2006 Member, Department Executive Committee
2005 Member, search committee for Graduate College Budget Director, UIUC Graduate College
2006-2007 Chair, Pathways in Undergraduate Education Committee.
2007 Member, dissertation writing workshop committee, Graduate College
2007-2008 Chair, Graduate College Review Committee.
2008-2010 Member, College of Liberal Arts and Sciences Strategic Advisory Team
2009 Member, Health Information Services Planning Team
2010-2012 Member, University of Illinois Interdisciplinary Health Sciences Initiative, Vision Team

University of Colorado

2014-2015 University of Colorado Boulder Grand Challenge, "Our Space, Our Future" co-chair
2015-2017 University of Colorado Boulder Diversity, Inclusion, and Academic Excellence Steering Committee

National/International

2010-2012 Administrative board member, Combined Array for Research in Millimeter-wave Astronomy (CARMA), representing University of Illinois in a collaborative radio telescope project hosted by Illinois, CalTech, Maryland, Berkeley, and University of Chicago
2016-present National Center for Professional and Research Ethics, University of Illinois, Executive Committee for Confronting Challenges in Academic Units project
2016 American Association of Physical Anthropologists, Presidential Panel: Working Together to Change the Future: A dialog on harassment in biological anthropology
2017-2020 Member, College Board Advanced Placement Higher Education Advisory Committee