

CURRICULUM VITAE

Susan C. Alberts
April 2012

ADDRESS

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EDUCATION

Ph.D., University of Chicago, Department of Ecology and Evolution, December 1992
M.A., University of California, Los Angeles, Department of Biology, June 1987
B.A., Reed College, Biology, May 1983

PRIMARY ACADEMIC APPOINTMENTS

2009- The Jack H. Neely Professor, Department of Biology, Duke University
2007-2008 The Jack H. Neely Associate Professor, Department of Biology, Duke University.
2004-2007 Associate Professor, Department of Biology, Duke University
1998-2004 Assistant Professor, Department of Biology, Duke University
1997-1998 Research Fellow, Bunting Institute of Radcliffe College
1994-1997 Junior Fellow, Harvard Society of Fellows
1993-1994 NIH NRSA Post-doctoral Fellow, University of Chicago

SECONDARY ACADEMIC APPOINTMENTS

2010 - Associate Director for Science and Synthesis, National Evolutionary Synthesis Center
2008 - Duke University Institute for Genome Sciences & Policy
2008 - Duke University Program in Genetics and Genomics
2006 - Duke University Department of Evolutionary Anthropology
2002 - Duke University Program in Ecology

RESEARCH SUPPORT SINCE 2001 (support from earlier periods available upon request)

2009-12 NSF DEB 0846286, "Collaborative Research: Genes, Environment and Gene Expression in a Wild Primate Population." With G. Wray, Duke and J. Altmann, Princeton.

2009-14 NIA R01AG034513-01, "Mechanisms and consequences of social connectedness in a wild primate population," with J. Altmann, Princeton.

2009-14 NSF IOS 0919200 – "LTREB: Long-term behavioral and genetic analyses of a wild primate population."

2009-14 NIA P01-AG031719, "Project 5: Sex differences in health and survival in a wild primate population", with J. Altmann, Princeton University. This represents one of three projects in this Program Project, entitled "Demography of Sex Differences in Health and Survival."

2007-09 NESCent (**N**ational **E**volutionary **S**ynthesis **C**enter) Working Group: "Evolutionary Ecology of Primate Life Histories." Led working group of 10 people with K. Strier, University of Wisconsin.

2003-09 NSF BCS-0323553, "Collaborative research: Life in a changing environment", with J. Altmann, Princeton University.

2003-06 NSF IBN-0322613 "Collaborative research: Relationship among demographic, social and genetic structure", Renewal of 0002342. With J. Altmann, Princeton University.

2001-06 NSF IBN-0091612, "Career: Social behavior and genetics in a fission-fusion society".

PUBLICATIONS

- In press Silk JB, Alberts SC, Altmann J, Seyfarth RM, Cheney DL. Stability of partner choice among female baboons. **Animal Behaviour**.
- Tung J, Charpentier MJE, Mukherjee S, Altmann J, Alberts SC. Genetic effects on mating success and partner choice in a social mammal. **American Naturalist**.
- Alberts SC, Magnitude and sources of variation in male reproductive performance. *To appear in: The Evolution of Primate Societies*. Edited by Mitani J, Call J, Kappeler P, Palombit R and Silk JB, University of Chicago Press.
- 2012 Alberts SC, Fitzpatrick CL. Paternal care and the evolution of exaggerated sexual swellings in primates. **Behavioral Ecology**. Available on Behavioral Ecology Advance Access, 6 April 2012.
- Nguyen N, Gesquiere L, Alberts SC, Altmann J. Sex differences in the mother-neonate relationship in wild baboons: social, experiential, and hormonal correlates. **Animal Behavior** 83: 891-903.
- Babbitt CC, Tung J, Wray GA, Alberts, SC. Changes in gene expression associated with reproductive maturation in wild female baboons. **Genome Biology and Evolution** 4:102-109.
- Chiyo PI, Moss CJ, Alberts SC. The influence of life history milestones and association networks on crop-raiding behavior in male African elephants. **PLoS One** 7: e31382
- Charpentier MJE, Fontaine MC, Cherel E, Renoult JP, Jenkins T, Benoit L, Barthès N, Alberts SC, Tung J. Genetic structure in a dynamic baboon hybrid zone corroborates behavioral observations in a hybrid population. **Molecular Ecology** 21: 715-731.
- Alberts SC, Altmann J. The Amboseli Baboon Research Project: Themes of continuity and change. Pp 261-288 *in: Long-term field studies of primates*. Edited by Kappeler P and Watts DP. Springer Verlag.
- 2011 Gesquiere LR, Learn NH, Simao MCM, Onyango PO, Alberts SC, Altmann J. Life at the top: energetic and psychological stress in wild male primates. **Science** 333:357-360.
- Markham AC, Gesquiere LR, Bellenger JP, Alberts SC, Altmann J. White Monkey Syndrome and presumptive copper deficiency in a wild primate population. **American Journal of Primatology** 73: 1-9.
- Chiyo PI, Archie EA, Hollister-Smith JA, Lee PC, Poole JH, Moss CJ, Alberts SC. Association patterns of male African elephants: the role of age and genetic relatedness. **Animal Behaviour** 81: 1093-1099.
- Bronikowski AM, Altmann J, Brockman DK, Cords M, Fedigan LM, Pusey AE, Stoinski T, Morris WF, Strier KB, Alberts SC. Aging in the natural world: comparative data reveal similar mortality patterns across primates. **Science** 331: 1325-1328.
- Chiyo PI, Lee PC, Moss CJ, Archie EA, Hollister-Smith JA, Alberts SC. No risk, no gain: effects of crop-raiding and genetic heterozygosity on body size in male African elephants. **Behavioral Ecology** 22:552-558.
- Chiyo PC, Moss CJ, Archie EA, Hollister-Smith JA, Alberts SC. Using molecular and observational techniques to estimate the population size and raiding patterns of crop-raiding elephants. **Journal of Applied Ecology** 48:788-796.
- Galbany J, Dotras L, Altmann J, Alberts SC, Perez-Perez A. Tooth size variation related to age in Amboseli baboons. **Folia Primatologica** 81: 348-359.
- Tung J, Akinyi MY, Muturua S, Altmann J, Wray G, Alberts SC. Allele-specific gene expression in a wild nonhuman primate population. **Molecular Ecology** 20: 725-739.
- Morris WF, Altmann J, Brockman DK, Fedigan LM, Pusey AE, Stoinski TA, Bronikowski AM, Alberts SC, Strier KB. Low demographic variability in wild primate populations: fitness impacts of variation, covariation, and serial correlation in vital rates. **American Naturalist** 177: E14-E28.

- Archie EA, Fitzpatrick CL, Moss CJ, Alberts SC. The population genetics of the Amboseli and Kilimanjaro elephants. Pp 37-47 in: *Amboseli Elephants: A Long-term Perspective on a Long-lived Mammal* (ed. C. Moss, H. Croze & P. Lee). University of Chicago Press.
- Archie EA, Moss CJ, Alberts SC. Friends and relations: kinship and the nature of female elephant social relationships. Pp 238-245 in: *Amboseli Elephants: A Long-term Perspective on a Long-lived Mammal* (ed. C. Moss, H. Croze & P. Lee). University of Chicago Press.
- Hollister-Smith, JA, Poole JH, Moss CJ, Alberts SC. Genetic paternity analysis of the Amboseli elephant population. Pp 274-275 in: *Amboseli Elephants: A Long-term Perspective on a Long-lived Mammal* (ed. C. Moss, H. Croze & P. Lee). University of Chicago Press.
- Gesquiere LR, Onyango PO, Alberts SC, Altmann J. Endocrinology of year-round reproduction in a highly seasonal habitat: environmental variability in testosterone and glucocorticoids in baboon males. **American Journal of Physical Anthropology** 144:169-176.
- Galbany J, Altmann J, Pérez-Pérez A, Alberts SC. Age and individual foraging behavior predict tooth wear in Amboseli baboons. **American Journal of Physical Anthropology** 144:51-59.
- 2010 Altmann J, Gesquiere L, Galbany J, Onyango PO, Alberts SC. Life history context of reproductive aging in a wild primate model. **Annals of the New York Academy of Sciences** 1204: 127-138.
- Tung J, Alberts SC, Wray G. Evolutionary genetics in wild primates: combining genetic approaches with field studies of natural populations. **Trends in Genetics** 26: 353-362
- Strier KB, Altmann J, Brockman DK, Bronikowski AM, Cords M, Fedigan LM, Lapp H, Liu X, Morris WF, Pusey AE, Stoinski TS, Alberts SC. The Primate Life History Database: A unique shared ecological resource. **Methods in Ecology and Evolution** 1: 199-211.
- Archie EA, Maldonado JE, Henry T, Moss CJ, Poole JH, Pearson VR, Murray S, Alberts SC, Fleischer RC. Major histocompatibility complex variation and evolution at a single, expressed DQA locus in two genera of elephants. **Immunogenetics**. 62:85-100.
- 2009 Beehner JC, Gesquiere L, Seyfarth RM, Cheney DL, Alberts SC, Altmann J. Testosterone related to age and life-history stages in male baboons and geladas. **Hormones and Behaviour** 56: 472-480.
- Nguyen N, Van Horn RC, Alberts SC, Altmann J. "Friendships" between new mothers and adult males: Adaptive benefits and determinants in wild baboons (*Papio cynocephalus*). **Behavioral Ecology and Sociobiology** 63: 1331-1344.
- Tung J, Primus A, Bouley A, Sevrerson T, Alberts SC*, Wray GA*. Evolution of a malaria resistance gene in wild primates. **Nature** 460:388-391. (*Indicates that these authors contributed equally.)
- 2008 Hollister-Smith JA, Alberts SC, Rasmussen LEL. Do male African elephants (*Loxodonta africana*) signal musth via urine dribbling? **Animal Behaviour** 76: 1829-1841.
- Gesquiere LR, Khan M, Shek L, Wango EO, Alberts SC, Altmann J. Coping with a challenging environment: effects of seasonal variability and reproductive status on glucocorticoid concentrations of female baboons (*Papio cynocephalus*). **Hormones and Behavior** 54:410 - 416.
- Onyango PO, Gesquiere LR, Wango EO, Alberts SC, Altmann J. Persistence of maternal effects in baboons: mother's dominance rank at son's conception predicts stress hormone levels in sub-adult males. **Hormones and Behaviour** 54: 319-324.
- Archie EA, Maldonado JE, Hollister-Smith JA, Poole JH, Moss CJ, Fleischer RC, Alberts SC. Fine-scale population genetic structure in a fission-fusion society. **Molecular Ecology** 17:2666-2679.

- Nguyen N, Gesquiere L, Wango EO, Alberts SC, Altmann J. Late pregnancy glucocorticoid levels predict responsiveness in wild baboon mothers (*Papio cynocephalus*). **Animal Behaviour** 75: 1747-1756.
- Charpentier MJE, Van Horn RC, Altmann J, Alberts SC. Paternal effects on offspring fitness in a multi-male primate society. **Proceedings of the National Academy of Sciences, USA** 105: 1988-1992.
- Tung J, Charpentier MJE, Garfield D, Altmann J, Alberts SC. Genetic evidence reveals temporal change in hybridization patterns in a wild baboon population. **Molecular Ecology** 17: 1998-2011.
- Charpentier MJE, Tung J, Altmann J, Alberts SC. Age at maturity in wild baboons: genetic, environmental and demographic influences. **Molecular Ecology** 17: 2026-2040.
- Van Horn RC, Altmann J, Alberts SC. Can't get there from here: inferring kinship from pairwise genetic relatedness. **Animal Behaviour** 75: 1173-1180.
- Loisel DA, Alberts SC, Ober C. Functional significance of MHC variation in mate choice, reproductive outcome, and disease risk. Pages 95-108 in: *Evolution in Health and Disease*, 2nd edition, S.C. Stearns and J. Koella (eds.), Oxford, UK: Oxford University Press.
- 2007 Archie EA, Hollister-Smith JA, Poole JH, Moss CJ, Alberts SC. Behavioural inbreeding avoidance in wild African elephants. **Molecular Ecology** 16: 4138-4148.
- Van Horn RC, Buchan JC, Altmann J, Alberts SC. Divided destinies: Group choice by female savannah baboons during group fission. **Behavioral Ecology and Sociobiology** 61: 1823-1837.
- Hollister-Smith JA, Poole JH, Archie EA, Vance EA, Georgiadis NJ, Moss CJ, Alberts SC. Paternity success in wild African elephants. **Animal Behaviour** 74: 287-296.
- Charpentier MJE, Widdig A, Alberts SC. Inbreeding depression in nonhuman primates: a historical review of methods used and empirical data. **American Journal of Primatology** 69: 1370-1386.
- Tung J, Rudolph J, Altmann J, Alberts SC. Parallel effects of genetic variation in ACE activity in baboons and humans. **American Journal of Physical Anthropology** 134: 1-8.
- Gesquiere LR, Wango EO, Alberts SC, Altmann J. Mechanisms of sexual selection: Sexual swellings and estrogen concentrations as fertility indicators and cues for male consort decisions in wild baboons. **Hormones and Behavior** 51: 114-125.
- 2006 Loisel DA, Rockman MV, Wray GA, Altmann J, Alberts SC. Ancient polymorphism and functional variation in the primate MHC-*DQA1* 5' cis-regulatory region. **Proceedings of the National Academy of Sciences, USA** 103: 16331-16336.
- Alberts SC, Buchan JC, Altmann J. Sexual selection in wild baboons: from mating opportunities to paternity success. **Animal Behaviour** 72: 1177-1196.
- Silk JB, Altmann J, Alberts SC. Social relationships among adult female baboons (*Papio cynocephalus*) I: Variation in the strength of social bonds. **Behavioral Ecology and Sociobiology** 61:183-195.
- Silk JB, Alberts SC, Altmann J. Social relationships among adult female baboons (*Papio cynocephalus*) II: Variation in the quality and stability of social bonds. **Behavioral Ecology and Sociobiology** 61:197-204.
- Beehner JC, Onderdonk D, Alberts SC, Altmann J. The ecology of conception and pregnancy failure in wild baboons. **Behavioral Ecology** 17: 741-750.
- Alberts SC and Altmann J. The evolutionary past and the research future: environmental variation and life history flexibility in a primate lineage. Pages 277-303 in: L. Swedell and S. Leigh (eds): *Reproduction and Fitness in Baboons: Behavioral, Ecological and Life History Perspectives*. New York, Springer.

- Beehner JC, Nguyen N, Alberts SC, Altmann J. The endocrinology of pregnancy and fetal loss in wild baboons. **Hormones and Behavior** 49:688-699.
- Archie EA, Morrison TA, Foley CA, Moss CJ, Alberts SC. Linear dominance hierarchies in African elephants. **Animal Behaviour** 71: 117-127.
- Archie EA, Moss CJ, Alberts SC. The ties that bind: Genetic relatedness predicts the fission and fusion of social groups in wild African elephants. **Proceedings of the Royal Society of London** 273: 513-522.
- 2005 Gesquiere LR, Altmann J, Khan MZ, Couret J, Yu JC, Endres CS, Lynch JW, Ogola P, Fox EA, Alberts SC, Wango E. Coming of age: steroid hormones of wild immature baboons, *Papio cynocephalus*. **American Journal of Primatology** 67:83-100.
- Alberts SC, Hollister-Smith J, Mututua RS, Sayialel SN, Muruthi PM, Warutere JK, Altmann J. Seasonality and long-term change in a savannah environment. In: D. K. Brockman and C. P. van Schaik (eds): *Seasonality in Primates: Studies of Living and Extinct Human and Non-Human Primates*. Pages 157-196. Cambridge UK, Cambridge University Press.
- Buchan JC, Archie EA, Van Horn RC, Moss CJ, Alberts SC. Locus effects and sources of error in non-invasive genotyping. **Molecular Ecology Notes** 5:680-683.
- Morrison TA, Chiyo PI, Moss CJ, Alberts SC. Measures of dung bolus size for known age African elephants: implications for age estimation. **Journal of Zoology, London** 266: 89-94.
- Altmann J, Alberts SC. Growth rates in a wild primate population: ecological influences and maternal effects. **Behavioral Ecology & Sociobiology** 57: 490-501
- 2004 Altmann J, Lynch JW, Nguyen N, Alberts SC, Gesquiere LR. Life history correlates of steroid concentrations in wild peripartum baboons. **American Journal of Primatology** 64: 95-106.
- Silk JB, Alberts SC, Altmann J. Patterns of coalition formation by adult female baboons in Amboseli, Kenya. **Animal Behaviour** 67: 573-582.
- Note on authorship. Through 2003 I followed the authorship tradition of my subdiscipline, in which author order strictly reflected level of contribution to the paper; in this subdiscipline senior authors are often second authors. Beginning with publications in 2004, I am last author on all papers on which I am senior author.
- 2003 Silk JB, Alberts SC, Altmann J. Social bonds of female baboons enhance infant survival. **Science** 302: 1231-1234.
- Buchan J, Alberts SC, Silk JB, Altmann J. True paternal care in a multi-male primate society. **Nature** 425: 179-181.
- Archie EA, Moss CJ, Alberts SC. Characterization of tetranucleotide microsatellite loci in the African Savannah Elephant (*Loxodonta africana africana*). **Molecular Ecology Notes** 3: 244-246.
- Altmann J, Alberts SC. Variability in reproductive success viewed from a life-history perspective in baboons. **American Journal of Human Biology** 15: 401-409.
- Hahn NE, Proulx D, Muruthi PM, Alberts SC, Altmann J. Gastrointestinal parasites in free-ranging Kenyan baboons (*Papio cynocephalus* and *P. anubis*). **International Journal of Primatology** 24: 271-279.
- Alberts SC, Watts H, Altmann J. Queuing and queue jumping: long term patterns of reproductive skew among male savannah baboons. **Animal Behaviour** 65: 821-840.
- Smith K, Alberts SC, Altmann J. Wild female baboons bias their social behaviour towards paternal half-sisters. **Proceedings of the Royal Society of London B** 270: 503-510.

- Alberts SC and Altmann J. Matrix models for primate life history analysis. In: *Primate Life Histories and Socioecology*, P. Kappeler and M. Pereira (eds), pp. 66-102. Chicago: University of Chicago Press.
- Altmann J, Alberts SC. Intraspecific variability in fertility and offspring survival in a non-human primate: behavioral control of ecological and social sources. In: K. W. Wachter and R.A. Bulatao (eds): *Offspring: Human Fertility Behavior in a Biodemographic Perspective*. pp. 140-169. Washington, D.C., National Academy Press.
- 2002 Zinner D, Alberts SC, Nunn CL, Altmann J. Significance of primate sexual swellings. **Nature** 420:142-143.
- Storz JF, Beaumont MA, Alberts SC. Genetic evidence for long-term population decline in a savannah-dwelling primate: inferences from a hierarchical Bayesian model. **Molecular Biology and Evolution** 19:1981-1990.
- Altmann J, Alberts SC, Altmann S, Roy S. Dramatic change in local climate patterns in the Amboseli basin, Kenya. **African Journal of Ecology** 40:248-251.
- Bronikowski A, Alberts SC, Altmann J, Packer C, Carey KD, Tatar M. The aging baboon: Comparative demography in a nonhuman primate. **Proceedings of the National Academy of Sciences, USA** 99(14):9591-9595.
- Semple S, McComb K, Alberts SC, Altmann J. Sources of variation in the copulation calls of female yellow baboons. **American Journal of Primatology** 56:43-56.
- Storz JF, Ramakrishnan U, Alberts SC. Genetic effective size of a wild primate population: influence of current and historical demography. **Evolution** 56:817-829.
- 2001 Storz JF, Ramakrishnan U, Alberts SC. Determinants of effective population size for loci with different modes of inheritance. **Journal of Heredity** 92:497-502.
- Alberts SC and Altmann J. Immigration and hybridization patterns of yellow and anubis baboons in Amboseli, Kenya. **American Journal of Primatology** 53:139-154.
- 2000 Bayes MK, Smith KL, Alberts SC, Cheesman DJ, Altmann J, Bruford MW. Fecal DNA genotyping in the savannah baboon: history, problems and data. **Conservation Genetics** 1:173-176.
- Smith KL, Alberts SC, Bayes MK, Bruford MW, Altmann J, Ober. Cross-species amplification, non-invasive genotyping, and non-Mendelian inheritance of human STRPs in savannah baboons. **American Journal of Primatology** 51: 219-227.
- 1999 Alberts SC. Paternal kin discrimination in wild baboons. **Proceedings of the Royal Society of London B** 266:1501-1506.
- Alberts SC. Thirteen Mhc-DQA1 alleles from two populations of baboons. **Immunogenetics** 49: 825-827.
- 1997 Sapolsky R, Alberts SC, Altmann J. Hypercortisolism associated with social subordination or social isolation among wild baboons. **Archives of General Psychiatry** 54: 1137-1143.
- 1996 Altmann J, Alberts SC, Haines SA, Dubach J, Muruthi P, Coote T, Geffen E, Cheesman DJ, Mututua RS, Saiyalel SN, Wayne RK, Lacy RC, and Bruford MW. Behavior predicts genetic structure in a wild primate group. **Proceedings of the National Academy of Sciences, USA** 93:5797-5801.
- Alberts SC, Altmann J, Wilson M. Mate guarding constrains foraging activity of male baboons. **Animal Behaviour**. 51:1269-1277.
- 1995 Alberts SC and Altmann J. Preparation and activation: determinants of reproductive maturity in male baboons. **Behavioral Ecology and Sociobiology** 36: 397-406.
- Alberts SC and Altmann J. Balancing costs and opportunities: dispersal in male baboons. **American Naturalist** 145:279-306.

- 1994 Alberts SC. Vigilance in young baboons: effects of habitat, age, sex and maternal rank on glance rate. **Animal Behaviour** 47: 749-755.
- 1993 Alberts SC and Ober C. Genetic variability in the major histocompatibility complex: a review of non-pathogen-mediated selective mechanisms. **Yearbook of Physical Anthropology** 36: 71-90.
- 1992 Alberts SC, Sapolsky RM, and Altmann J. Behavioral, endocrine, and immunological correlates of immigration by an aggressive male into a natural primate group. **Hormones and Behavior** 26: 167-178.
- Altmann J, Alberts SC, and Sapolsky RM. Endocrine and developmental correlates of unilateral cryptorchidism in a wild baboon. **American Journal of Primatology** 26: 309-314.
- 1987 Altmann J and Alberts SC. Body mass and growth rates in a wild primate population. **Oecologia** 72: 15-20.
- Alberts SC. Parental care in captive siamangs (*Hylobates syndactylus*). **Zoo Biology** 6: 401-406.

MANUSCRIPTS IN PROGRESS

- In revision Archie EA, Altmann J, Alberts SC. Social status predicts wound healing in wild baboons. **Proceedings of the National Academy of Sciences, USA.**
- In review Onyango PO, Gesquiere LR, Alberts SC, Altmann J. Testosterone positively associated with mating effort and paternal investment in savanna baboons (*Papio cynocephalus*). **Hormones and Behavior.**
- In review Silk JB, Alberts SC, Altmann J, Seyfarth RM, Cheney DL. Stability of partner choice among female baboons. **Animal Behaviour.**
- In review Alberts SC, Fitzpatrick CL. Paternal care and the evolution of exaggerated sexual swellings in primates. **Behavioral Ecology.**
- In revision Onyango PO, Alberts SC, Altmann J. Season and female reproductive quality but not opportunities for paternal care predict intensity of male mate guarding in a non-seasonally breeding primate. **Behavioral Ecology and Sociobiology.**

COMMENTARIES, REVIEWS AND REPORTS

- Alberts SC. 2010. **Dispatch:** Primatology: "A Faithful Friend is the Medicine of Life". **Current Biology.**
- Wasser S, Poole J, Lee P, Lindsay K, Dobson A, Hart J, Douglas-Hamilton I, Wittemyer G, Granli P, Morgan B, Gunn J, Alberts S, Beyers R, Chiyo P, Croze H, Estes R, Gobush K, Joram P, Kikoti A, Kingdon J, King L, Macdonald D, Moss C, Mutayoba B, Numbi S, Omondi P, Nowak K. 2010. **Policy Forum:** Elephants, Ivory and Trade. **Science** 327: 1331-1332.
- Chiyo PI, and Alberts SC. 2009. **Commentary:** An assessment of the threat to Grevy's zebra from hybridization. 2009. **Animal Conservation** 12: 514-515.
- Alberts SC. **Review** of "Sexual Coercion in Primates and Humans: An Evolutionary Perspective on Male Aggression Against Females", edited by MN Muller and RW Wrangham, Cambridge University Press. 2009. **Quarterly Review of Biology** 84: 413-414.
- Strier KB, Alberts SC, Wright PC, Altmann J & Zeitlyn D, 2006. **Report:** Primate life-history databank: setting the agenda. 2006. **Evolutionary Anthropology** 15: 44-46.

FELLOWSHIPS AND AWARDS

- 2012 Dean's Award for Excellence in Mentoring, Duke University
- 2010 Thomas Langford Lectureship Award, Duke University
- 2009 Department of Biology Distinguished Teaching and Service Award, Duke University
- 2008 Elected Fellow, Animal Behavior Society

2007	Elected Fellow, Bass Society of Fellows, Duke University
2006-07	Faculty Fellowship, Social Sciences Research Institute, Duke University
2005	Thomas Langford Lectureship Award, Duke University
1997-98	Bunting Institute of Radcliffe College, Burroughs-Wellcome Biomedical Research Fellowship
1994-97	Junior Fellowship, Society of Fellows, Harvard University
1993-94	NIH National Research Service Award Post-doctoral Fellowship, University of Chicago
1993	Best Student Paper Award, Annual Meeting of the American Society of Primatologists
1992	Department of Ecology and Evolution Award for Outstanding Performance in the General Field, University of Chicago
	William Rainey Harper Dissertation Fellowship, University of Chicago
1987-9	Searle Fellowship, University of Chicago
1983-5	Thomas J. Watson Foundation Fellowship for Research and Travel Abroad

INVITED LECTURES in past 6 years (Note: because of family considerations I accept only a limited number of speaking engagements)

George Washington University, Distinguished Lecturer, Department of Biology, March 2012
Duke University Marine Lab, October 2011
NCEAS EcoLunch, National Center for Ecological Analysis and Synthesis, September 2011
Research Workshop on Biodemography, Duke University, May 2011
Plenary Speaker, The Ecological Society for Eastern Africa, Annual Meeting, Nairobi, Kenya, May 2010
Duke Population Research Institute (DuPRI), Duke University, April 2010
Stony Brook University, Behavioral Ecology Group (a multi-departmental group), February 2010
Virginia Polytechnic and State University, Developmental Science Colloquium (a multi-departmental group), January 2010
University of Virginia, Department of Biology, April 2009
Institute for Primate Research, Nairobi, Kenya, March 2009
AAAS Annual Meeting, Chicago IL, Symposium speaker, February 2009
INCORE (Integrating Cooperation Research Across Europe) Workshop on Genetics and Biogeography of Coalition Formation in Baboons and Macaques, Barcelona, November 2008
Simposi de Primatologia de Camp, University of Barcelona, November 2008
Department of Ecology and Evolutionary Biology, Princeton University, May 2008
Santa Fe Institute, Workshop on Dominance, Leveling and Egalitarianism in Animals, March 2008
New York University and Wenner Gren Foundation: Evolutionary Anthropology at the Interface, October 2007
Department of Ecology and Evolutionary Biology, Princeton University, April 2007
Committee on Evolutionary Biology, University of Chicago, March 2007
Distinguished EEBB Speaker, Michigan State University, February 2007
University of Michigan, Evolution and Human Adaptation Program, November 2006
Molecular Primatology Conference, Center for the Study of Human Origins, New York University, March 2006
North Carolina State University, Keck Center for Behavioral Biology and Department of Zoology, February 2006
Duke University, Department of Sociology, February 2006
Purdue University Department of Biological Sciences, November 2005
University of Virginia Conference on Evolutionary Demography, October 2005
Plenary Speaker, The International Behavioural and Neural Genetics Society Meeting, Sitges, Spain, June 2005

PEER REVIEW ACTIVITIES

Editorial Board Member for Behavioral Ecology, July 2009 – present.

Associate Editor for Behavioral Ecology and Sociobiology, January 2003 – December 2009.

Associate Editor for American Journal of Primatology, 2000 - 2003.

Refereeing for: Animal Behaviour, Animal Conservation, Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Current Biology, Ethology, Genetics, Molecular Ecology, PLoS Biology, PLoS Genetics, PNAS, Proceedings of the Royal Society of London Series B.

Grant reviewing. National Science Foundation: regular grant reviews, also panel service at both Animal Behavior and Population Biology. Also: L.S.B. Leakey Foundation, Animal Behavior Society, Leverhulme Foundation U.K., South African National Research Foundation, U.S. Fish and Wildlife Service's African Elephant Conservation Fund.

EDUCATION AND OUTREACH

- Developed and presented (twice) an elementary-level science workshop on animal behavior, presented to a North Carolina State school serving children with mental health challenges (April 2012).
- Developed and presented (twice) a middle school science workshop called "CSI: Baboonland" on methods of genetic assignment of identity (March 2012).
- Assisted with Darwin Day celebrations, Feb 2012, at a local middle school in Durham, NC (gave presentations on Darwin and evolution, two consecutive days)
- Spoke at North Carolina School of Science and Math, Durham NC (Jan 2011)
- Spoke to the Howard Hughes Pre-College Program at Duke University (June 2011)
- Spoke at Durham's Science Café ("Periodic Tables", Durham NC (May 2011)
- Spoke at FEMMES (Females Excelling More in Math, Engineering and Science), a K-12 outreach program, Durham NC (Mar 2008)
- Taught short science segments as a volunteer at a local public elementary school, Durham NC (2006-2007)
- Offered two workshops for Durham area high school science teachers, aimed at developing content in evolutionary biology (2002-2003) (funded by NSF IBN-0091612)
- Spoke at Riverside High School, Durham NC (Jan 2002)

UNIVERSITY SERVICE

Departmental Service, Duke University.

- Departmental Promotion Review Committee, 2009 –
- Director of Undergraduate Studies, Biology Department, 2005 – 2009.
- Biology Department Curriculum Committee (chair), 2005 – 2009.
- Biology Department Steering Committee (*ex officio*), 2005 – 2009.
- Biology Department Teaching Consultation Committee (*ex officio*), 2005 – 2009.
- Behavioral Neurobiology Faculty Search Committee, Chair, 2008 – 2009.
- Ecology and Behavior Faculty Search Committee, 2005 – 2006.
- Biology Department Seminar Committee, 2005-2006.
- University Program in Ecology Steering Committee member, Sept 2004 – Dec 2005.
- Biology Department Faculty Review Committee, 2003, 2004.
- Reviewer for Biology Department Grants-in-Aid to graduate students, 2004.
- Molecular Structure/Function Search Committee, 2003-4.
- Biogeochemistry Search Committee, 2002-3.
- Biology Department Seminar Committee, 2001-2002.

University Service and Extra-departmental Service.

- Associate Director for Science and Synthesis, National Evolutionary Synthesis Center (NESCent), Dec 2009 – .
- AB Duke Scholarship Selection Committee, 2012.
- University Global Priorities Committee, 2011 - .
- Funding Committee, Office of Global Strategies and Programs, 2012 -
- Faculty Search Committee, Department of Evolutionary Anthropology , 2011-2012.
- Oosting Lecture Planning Committee, University Program in Ecology, 2011-2012
- Trinity Board of Visitors Presentation, April 2011.
- Presenter in the Chautauqua Lecture Series, Duke Office of Undergraduate Education, 2010 and 2011.
- Faculty Search Committee, Duke University Population Research Institute (DuPRI), 2009-2010.
- Review Committee, Review of Lemur Center Director, 2009.
- Area Coordinator for Science, and member of the Advisory Committee, Duke's Master of Arts in Teaching (MAT) program, 2001 - 2008.
 - Through March 2008, I served as PI on a currently active NSF grant that provides scholarship money for MAT students. A major goal is to facilitate the matriculation of students whose

first choice of MAT programs is Duke, but who cannot afford to attend; many of these are students of color. NSF DUE-0531996, The Robert Noyce Scholars at Duke University. 1 Oct 2005 – 31 May 2009.

- Through April 2008, I served on the Advisory Committee. I participated in planning meetings, admissions decisions, final oral exams, and I reviewed and approved program changes and program budget. I actively mentored MAT students that were preparing to teach high school science (biology, chemistry, physics, environmental science).
- Task Force to assess the Biological Anthropology and Anatomy Department, 2006-07.
- Parent's Weekend Lecture, October 2005.
- Senior Women in Science Group, focusing on issues of Recruitment, Hiring, Retention and Promotion, 2005 – 2008.
- Co-chair, Arts & Sciences "Brain, Mind and Behavior" Education Committee, Fall 2005.
- Duke University Academic Council member, 2003 - 2008.