

CURRICULUM VITAE
SUSAN CLAIRE ALBERTS
October 2018

ADDRESS

Departments of Biology and Evolutionary Anthropology
Duke University, Box 90338, Durham NC 27708
919-660-7272, alberts@duke.edu

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

2016-present Chair, Department of Evolutionary Anthropology, Duke University
2015-present The Robert F. Durden Professor, Departments of Biology and Evolutionary Anthropology, Duke University
2009 -2015 Professor, Department of Biology, Duke University
2007-2012 Held the Jack H. Neely Professorship, a 5-year chair in recognition of contributions to teaching, Duke University
2004-2009 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 (Postdoctoral Fellowship)
1994-1997 Junior Fellow, Harvard Society of Fellows (Postdoctoral Fellowship)
1993-1994 NIH NRSA Postdoctoral Fellowship, University of Chicago

SECONDARY ACADEMIC APPOINTMENTS

2015 - Nicholas School of the Environment, Duke University
2010 - 2016 Associate Director for Science, National Evolutionary Synthesis Center (NESCent)
2010 - Duke University Population Research Institute
2010 - 2016 Department of Evolutionary Anthropology (converted to joint membership, 2016)
2008 - Duke University Program in Genetics and Genomics
2002 - Duke University Program in Ecology

RESEARCH SUPPORT SINCE 2001 (grants to students such as NSF DDIG grants, etc., are not included)

2018-23 NIA R01AG053308, "The biodemography of early adversity: social behavioral processes in a wild animal model." Total direct costs to Duke: \$1,542,592.

2017-22 Subaward on NIA R01 AG053330, "A life course perspective on the effects of cumulative early adversity on health." Alberts is co-PI on a subaward to Duke, main award to University of Notre Dame. Total direct costs to Duke: \$444,064.

2016-21 NIA P01 AG031719, "The male-female health-survival paradox and the social environment." Total direct costs \$1,309,481. This represents one of three projects in this Program Project, entitled "Demography of Sex Differences in Health and Survival."

2015-20 NSF IOS 1456832, "LTREB Renewal: Life history and behavior in a primate hybrid zone." Total direct costs \$357,125.

2014-15 NIA R21 AG049936, "Epigenetic Consequences of Social Status across the Life Span in a Primate Model." With J. Tung (PI), Duke. Total direct costs \$150,000.

2013-15 NIA R03 AG045459, "Novel integration of multidimensional data from an emerging model of aging," with J. Tung (PI), Duke. Total direct costs \$50,000.

- 2009-15 NIA R01 AG034513, "Mechanisms and consequences of social connectedness in a wild primate population," with J. Altmann, Princeton. Total direct costs \$1,273,676.
- 2009-15 NSF IOS 0919200 – "LTREB: Long-term behavioral and genetic analyses of a wild primate population." Total direct costs \$357,125.
- 2009-15 NIA P01 AG031719, "Sex differences in health and survival in a wild primate population." Total direct costs \$1,095,790. This represents one of three projects in this Program Project, entitled "Demography of Sex Differences in Health and Survival."
- 2009-13 NSF DEB 0846286, "Collaborative Research: Genes, Environment and Gene Expression in a Wild Primate Population." With G. Wray, Duke and J. Altmann, Princeton. Total direct costs \$774,100.
- 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. \$1,083,979 (Direct costs to Duke University).
- 2003-06 NSF IBN 0322613 "Collaborative research: Relationship among demographic, social and genetic structure", Renewal of 0002342. With J. Altmann, Princeton University. \$344,575 (Direct costs to Duke University).
- 2001-06 NSF IBN 0091612, "Career: Social behavior and genetics in a fission-fusion society". \$500,002.

FELLOWSHIPS AND AWARDS

- 2017 Cozzarelli Prize, National Academy of Sciences, in the Behavioral and Social Sciences Division, for Colchero et al. 2016, 'The emergence of longevous populations,' PNAS 113(48) E7681-7690.
- 2014 Elected Fellow, American Academy of Arts and Sciences
- 2012 Elected Fellow, American Association for the Advancement of Science
- 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
- 1992 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

PUBLICATIONS

- In press Invited Synthesis: Environmental influences on variation in survival and reproduction: Insights from a long-term study of wild baboons. **Journal of Animal Ecology**. Alberts SC. Available online ahead of print at <https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2656.12887>
- In press Microbial nitrogen limitation in the mammalian large intestine. **Nature Microbiology**. Reese A, Pereira F, Schintlmeister A, Berry D, Wagner M, Hale L, Wu A, Jiang A, Durand H, Zhou X, Premont R, Diehl AM, O'Connell T, Alberts SC, Kartzinel T, Pringle R, Dunn R, Wright J, and David L.

- In press A comprehensive analysis of autocorrelation and bias in home range estimation. **Ecological Monographs**. Noonan M, Tucker M, Fleming C, Akre T, Alberts SC, Ali AH, Altmann J, Antunes P, Belant J, Berens D, Beyer D, Blaum N, Böhning-Gaese K, Cullen Jr. L, Cune de Paula R, Dekker J, Drescher-Lehman J, Farwig N, Fichtel C, Fischer C, Ford A, Goheen JR, Janssen R, Jeltsch F, Kauffman M, Kappeler P, Koch F, LaPoint S, Markham C, Medici E, Morato R, Nathan R, Oliveira-Santos LG, Olson K, Patterson B, Paviolo A, Ramalho E, Roesner S, Selva N, Sergiel A, Silva MX, Spiegel O, Thompson P, Ullmann W, Zięba F, Zwijacz-Kozica T, Fagan W, Mueller T, Calabrese J.
- 2018 Estimation of energy balance in wild baboons using fecal thyroid hormone determination. **General and Comparative Endocrinology** 260: 9-17. Gesquiere LR, Pugh M, Alberts SC,* Markham AC* (*denotes equal contribution).
- Inter-birth intervals in wild yellow baboons: causes and mechanisms of variation. **American Journal of Physical Anthropology** 166:127-106. Gesquiere LR, Altmann J, Archie EA, Alberts SC. Doi <http://onlinelibrary.wiley.com/doi/10.1002/ajpa.23407/full>
- Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. **Science** 359: 466-469. Tucker MA, Böhning-Gaese K, Fagan WF, Fryxell JM, Van Moorter B, Alberts SC, ... Mueller T. doi: 10.1126/science.aam9712
- Climate and land cover analysis suggest no strong ecological barriers to gene flow in a natural baboon hybrid zone. **International Journal of Primatology**. Wango TL, Musiega D, Mundia CN, Altmann J, Alberts SC, Tung J. doi: 10.1007/s10764-017-9989-2
- 2017 Developmental plasticity: bridging research in evolution and human health. **Evolution, Medicine, and Public Health** 2017(1): 162-175. Lea AJ, Tung J, Archie EA, Alberts SC. doi.org/10.1093/emph/eox019
- Commentaries and response: **Evolution, Medicine, and Public Health** 2017 (1): 201- 205, doi.org/10.1093/emph/eoy007
- Group living and male dispersal predict the core gut microbiome in wild baboons. **Integrative and Comparative Biology** 57(4):770-785. Grieneisen LE, Livermore J, Alberts SC, Tung J, Archie EA. doi: 10.1093/icb/ix046
- Hormonal correlates of natal dispersal and rank attainment in wild male baboons. **Hormones and Behaviour** 94: 153-161. Akinyi MY, Gesquiere LR, Franz M, Onyango PO, Altmann J, Alberts SC. doi: 10.1016/j.yhbeh.2017.07.005
- Does climate variability influence the demography of wild primates? Evidence from long-term life-history data in seven species. **Global Change Biology**. 23(11): 4907-4921. Campos FA, Morris WF, Alberts SC, Altmann J, Brockman DK, Cords M, Pusey A, Stoinski TS, Strier KB, Fedigan LM. doi 10.1111/gcb.13754
- Ovarian cycling and reproductive state shape the vaginal microbiota in wild baboons. **Microbiome** 5: 8. Miller EA, Livermore JA, Alberts SC, Tung J, Archie EA. doi: 10.1186/s40168-017-0228-z
- Conditional fetal and infant killing by male baboons. **Proceedings of the Royal Society of London, Series B** 284: 20162561. Zippel M, Grady JH, Gordon JB, Chow LD, Archie EA, Altmann J, Alberts SC. doi: 10.1098/rspb.2016.2561
- 2016 The emergence of longevous populations. **Proceedings of the National Academy of Sciences, USA** 113(48): E7681-E7690. Colchero F, Rau R, Jones O, Barthold J, Conde DA, Lenart A, Torres C, Altmann J,

Brockman DK, Bronikowski AM, Fedigan LM, Pusey A, Stoinski TS, Strier KB, Baudisch A, Alberts SC*, Vaupel JW* (* denotes equal contributions), **Winner of the NAS Cozzarelli Prize, 2017.**

Genome-wide ancestry and divergence patterns from low-coverage sequencing data reveal a complex history of admixture in wild baboons. **Molecular Ecology** 25: 3469-3483. JD Wall, S Schlebusch, SC Alberts, L Cox, N Snyder-Mackler, K Nevenon, L Carbone, J Tung

Efficient genome-wide sequencing and low coverage pedigree analysis from non-invasively collected samples. **Genetics** 203: 699-714. Snyder-Mackler N, Majoros WH, Yuan ML, Shaver AO, Gordon JB, Kopp GH, Schlebusch SA, Wall JD, Alberts SC, Mukherjee S, Zhou X, Tung J.

Cumulative early life adversity predicts longevity in wild baboons. **Nature Communications** 7:11181. Tung J, Archie EA, Altmann J, Alberts SC.

Optimal group size: Ranging patterns and glucocorticoid levels in a highly social mammal. **Proceedings of the National Academy of Sciences, USA** 112:14882-14887. Markham AC, Gesquiere LR, Alberts SC, Altmann J.

Resource base influences genome-wide DNA methylation levels in wild baboons (*Papio cynocephalus*). **Molecular Ecology** 25: 1681-1696. Lea AJ, Altmann J, Alberts SC, Tung J.

Female and male life tables for seven wild primate species. **Scientific Data** 3:160006. Bronikowski A, Cords M, Alberts SC, Altmann J, Brockman DK, Fedigan LM, Pusey A, Stoinski T, Strier KB, Morris WF.

2015 Social network dynamics: the importance of distinguishing between heterogeneous and homogeneous changes. **Behavioral Ecology and Sociobiology** 69:2059-2069. Franz M, Alberts SC.

Self-organizing dominance hierarchies in a wild primate population. **Proceedings of the Royal Society of London, Series B** 282: 20151512. Franz M, McLean E, Tung J, Altmann J, Alberts SC.

Development, diet, and dynamism: longitudinal and cross-sectional predictors of gut microbial communities in wild baboons. **Environmental Microbiology**. Available online March 2015, DOI: 10.1111/1462-2920.12852. Ren T, Grieneisen L, Altmann J, Alberts SC, Archie EA, Wu M.

Exaggerated sexual swellings and male mate choice in primates: testing the reliable indicator hypothesis in the Amboseli baboons. **Animal Behaviour** 104:175-185. Fitzpatrick CL, Altmann J, Alberts SC.

Haven for the night: Sleeping site selection in wild baboons. **Behavioral Ecology** 27: 29-35. Markham AC, Alberts SC, Altmann J.

Developmental constraints in a wild primate. **American Naturalist**. 185: 809-821. Lea AJ, Altmann J, Alberts SC, Tung J.

Social networks predict gut microbiome composition in wild baboons. **eLife** 4:e05224. Tung J, Barreiro LB, Burns M, Grenier J-C, Lynch J, Grieneisen L, Altmann J, Alberts SC, Blekman R, Archie EA.

Canine size in wild male baboons from Amboseli: maturation, aging and social dominance rank. **PLoS ONE** 10(5): e0126415. Galbany J, Tung J, Altmann J, Alberts SC.

The genetic architecture of gene expression levels in wild baboons. **eLife** 4:e04729. Tung J, Zhou X, Alberts SC, Stephens M, Gilad Y.

- Knockouts of high-ranking males have limited impact on baboon social networks. **Current Zoology** 61: 107–113. Franz M, Altmann J, Alberts SC.
- 2014 The socio-genetics of a complex society: female gelada relatedness patterns mirror association patterns in a multi-level society. **Molecular Ecology** 23:6179-6191. Snyder-Mackler N, Alberts SC, Bergman TJ.
- Social affiliation matters: both same-sex and opposite-sex relationships predict survival in wild female baboons. **Proceedings of the Royal Society of London, Series B.** 281:20141261. Archie EA, Tung J, Clark M, Altmann J, Alberts SC.
- The male-female health-survival paradox: A comparative perspective on sex differences in aging and mortality. In: **Sociality, Hierarchy, Health: Comparative Biodemography.** Maxine Weinstein and Meredith A. Lane (eds.). Washington, D.C., National Academies Press. Alberts SC, Archie EA, Gesquiere LR, Altmann J, Christensen K.
- The influence of ecology and reproductive opportunities on group size in male African elephants. **Behavioral Ecology.** Chiyo PI, Wilson JW, Archie EA, Lee P, Moss CM, Alberts SC.
- Dynamic patterns of dominance rank attainment in female baboons (*Papio cynocephalus*). **Animal Behaviour** 94: 87-99. Lea AJ, Learn N, Theus MJ, Altmann J, Alberts SC.
- Costs of reproduction in a long-lived female primate: injury risk and wound healing. **Behavioral Ecology and Sociobiology** 68:1183-1193. Archie EA, Altmann J, Alberts SC.
- Sources of variance in a female fertility signal; exaggerated estrous swellings in a natural population of baboons. **Behavioral Ecology and Sociobiology** 68:1109-1122. Fitzpatrick CL, Altmann J, Alberts SC.
- Measuring fecal testosterone in females and fecal estrogens in males: comparison of RIA and LC/MS methods for wild baboons (*Papio cynocephalus*). **General and Comparative Endocrinology** 204: 141-149. Gesquiere LR, Ziegler TE, Chen PA, Epstein KA, Alberts SC, Altmann J.
- 2013 Reproductive aging patterns in primates reveal that humans are distinct. **Proceedings of the National Academy of Sciences, USA** 110: 13440-13445. Alberts SC, Altmann J, Brockman DK, Cords M, Fedigan LM, Pusey A, Stoinski T, Strier KB, Morris WF, Bronkowsky AM.
- *Received an Honorable Mention for the Ommen Prize from the Foundation for Evolution, Medicine and Public Health; the 2013 prize was for the best article published on a topic related to evolution in the context of medicine and public health.
- Puberty and dispersal in a wild primate population. Invited review for **Hormones and Behavior** 64:240-249. Onyango PO, Gesquiere L, Altmann J, Alberts SC.
- Testosterone positively associated with both male mating effort and paternal behavior in savanna baboons (*Papio cynocephalus*). **Hormones and Behavior** 63:430-436. Onyango PO, Gesquiere LR, Altmann J, Alberts SC.
- When good neighbors don't need fences: Temporal landscape partitioning among baboon social groups. **Behavioral Ecology and Sociobiology** 6:875-884. Markham AC, Alberts SC, Altmann J.
- Social environment influences the relationship between genotype and gene expression in wild baboons. **Philosophical Transactions of the Royal Society** 368 (1618):#20120345. Runcie DE, R Wiedmann, EA Archie, J Altmann, GA Wray, SC Alberts, and J Tung.
- Role of grooming in reducing tick load in wild baboons (*Papio cynocephalus*). **Animal Behaviour** 85:559-568.

Akinyi MY, Tung J, Jenneby M, Patel NB, Altmann J, Alberts SC.

- 2012 Social status predicts wound healing in wild baboons. **Proceedings of the National Academy of Sciences, USA** 109 (23) 9017-9022. Archie EA, Altmann J, Alberts SC.
- Treponema pallidum* infection in the wild baboons of East Africa: Distribution and genetic characterization of the strains responsible. **PLoS ONE** 7(12): e50882. Harper KN, Fyumagwa RD, Hoare R, Wambura PN, Coppenhaver DH, Sapolsky RM, Alberts SC, Tung J, Rogers J, Kilewo M, Matamuzi EK, Leendertz FH, Armelagos GJ, Knauf S.
- Magnitude and sources of variation in male reproductive performance. Pp. 412-431 *in*: **The Evolution of Primate Societies**. Edited by Mitani J, Call J, Kappeler P, Palombit R and Silk JB, University of Chicago Press. Alberts SC.
- Intergroup conflict: Ecological predictors of winning and consequences of defeat in a wild primate population. **Animal Behaviour** 84:399-403. Markham AC, Alberts SC, Altmann J.
- Genetic effects on mating success and partner choice in a social mammal. **American Naturalist** 180: 113-129. Tung J, Charpentier MJE, Mukherjee S, Altmann J, Alberts SC.
- Concessions of an alpha male? Cooperative defense and shared reproduction in multi-male primate groups. **Proceedings of the Royal Society of London B** 279:3788-3795, doi: 10.1098/rspb.2012.0842. Snyder-Mackler N, Alberts SC, Bergman TJ.
- Stability of partner choice among female baboons. **Animal Behaviour** 83:1511-1518. Silk JB, Alberts SC, Altmann J, Seyfarth RM, Cheney DL.
- Paternal care and the evolution of exaggerated sexual swellings in primates. **Behavioral Ecology** 23: 699-706. Alberts SC, Fitzpatrick CL.
- 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.
- Changes in gene expression associated with reproductive maturation in wild female baboons. **Genome Biology and Evolution** 4:102-109. Babbitt CC, Tung J, Wray GA, Alberts, SC.
- The influence of life history milestones and association networks on crop-raiding behavior in male African elephants. **PLoS One** 7: e31382. Chiyo PI, Moss CJ, Alberts SC.
- Genetic structure in a dynamic baboon hybrid zone corroborates behavioral observations in a hybrid population. **Molecular Ecology** 21: 715-731. Charpentier MJE, Fontaine MC, Chereil E, Renoult JP, Jenkins T, Benoit L, Barthès N, Alberts SC, Tung 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. Alberts SC, Altmann J.
- 2011 Life at the top: energetic and psychological stress in wild male primates. **Science** 333:357-360. Gesquiere LR, Learn NH, Simao MCM, Onyango PO, Alberts SC, Altmann J.
- White Monkey Syndrome and presumptive copper deficiency in a wild primate population. **American Journal of Primatology** 73: 1-9. Markham AC, Gesquiere LR, Bellenger JP, Alberts SC, Altmann J.
- Association patterns of male African elephants: the role of age and genetic relatedness. **Animal Behaviour** 81: 1093-1099. Chiyo PI, Archie EA, Hollister-Smith JA, Lee PC, Poole JH, Moss CJ, Alberts SC.
- Aging in the natural world: comparative data reveal similar mortality patterns across primates. **Science** 331: 1325-1328. Bronikowski AM, Altmann J, Brockman DK, Cords M, Fedigan LM, Pusey AE, Stoinski T, Morris WF, Strier KB, 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 PI, Lee 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. Chiyo PC, Moss CJ, Archie EA, Hollister-Smith JA, Alberts SC.
- Tooth size variation related to age in Amboseli baboons. **Folia Primatologica** 81: 348-359. Galbany J, Dotras L, Alberts SC, Perez-Perez A.
- Allele-specific gene expression in a wild nonhuman primate population. **Molecular Ecology** 20: 725-739. Tung J, Akinyi MY, Mutura S, Altmann J, Wray G, Alberts SC.
- Low demographic variability in wild primate populations: fitness impacts of variation, covariation, and serial correlation in vital rates. **American Naturalist** 177: E14-E28. Morris WF, Altmann J, Brockman DK, Fedigan LM, Pusey AE, Stoinski TA, Bronikowski AM, Alberts SC, Strier KB.
- 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, Fitzpatrick CL, 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. Archie EA, 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. Hollister-Smith, JA, Poole JH, Moss CJ, Alberts SC.
- 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. Gesquiere LR, Onyango PO, Alberts SC, Altmann J.
- Age and individual foraging behavior predict tooth wear in Amboseli baboons. **American Journal of Physical Anthropology** 144:51-59. Galbany J, Altmann J, Pérez-Pérez A, Alberts SC.
- 2010 Life history context of reproductive aging in a wild primate model. **Annals of the New York Academy of Sciences** 1204: 127-138. Altmann J, Gesquiere L, Galbany J, Onyango PO, Alberts SC.
- Evolutionary genetics in wild primates: combining genetic approaches with field studies of natural populations. **Trends in Genetics** 26: 353-362. Tung J, Alberts SC, Wray G.
- The Primate Life History Database: A unique shared ecological resource. **Methods in Ecology and Evolution** 1: 199-211. Strier KB, Altmann J, Brockman DK, Bronikowski AM, Cords M, Fedigan LM, Lapp H, Liu X, Morris WF, Pusey AE, Stoinski TS, Alberts SC.
- Major histocompatibility complex variation and evolution at a single, expressed DQA locus in two genera of elephants. **Immunogenetics**. 62:85-100. Archie EA, Maldonado JE, Henry T, Moss CJ, Poole JH, Pearson VR, Murray S, Alberts SC, Fleischer RC.
- 2009 Testosterone related to age and life-history stages in male baboons and geladas. **Hormones and Behaviour** 56: 472-480. Beehner JC, Gesquiere L, Seyfarth RM, Cheney DL, 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. Nguyen N, Van Horn RC, Alberts SC, Altmann J.
- Evolution of a malaria resistance gene in wild primates. **Nature** 460:388-391. (*Indicates that these authors contributed equally.) Tung J, Primus A, Bouley A, Severson T, Alberts SC*, Wray GA*.
- 2008 Do male African elephants (*Loxodonta africana*) signal musth via urine dribbling? **Animal Behaviour** 76: 1829-1841. Hollister-Smith JA, Alberts SC, Rasmussen LEL.
- 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. Gesquiere LR, Khan M, Shek L, 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. Onyango PO, Gesquiere LR, Wango EO, Alberts SC, Altmann J.
- Fine-scale population genetic structure in a fission-fusion society. **Molecular Ecology** 17:2666-2679. Archie EA, Maldonado JE, Hollister-Smith JA, Poole JH, Moss CJ, Fleischer RC, Alberts SC.
- Late pregnancy glucocorticoid levels predict responsiveness in wild baboon mothers (*Papio cynocephalus*). **Animal Behaviour** 75: 1747-1756. Nguyen N, Gesquiere L, Wango EO, Alberts SC, Altmann J.
- Paternal effects on offspring fitness in a multi-male primate society. **Proceedings of the National Academy of Sciences, USA** 105: 1988-1992. Charpentier MJE, Van Horn RC, Altmann J, Alberts SC.
- Genetic evidence reveals temporal change in hybridization patterns in a wild baboon population. **Molecular Ecology** 17: 1998-2011. Tung J, Charpentier MJE, Garfield D, Altmann J, Alberts SC.
- Age at maturity in wild baboons: genetic, environmental and demographic influences. **Molecular Ecology** 17: 2026-2040. Charpentier MJE, Tung J, Altmann J, Alberts SC.
- Can't get there from here: inferring kinship from pairwise genetic relatedness. **Animal Behaviour** 75: 1173-1180. Van Horn RC, Altmann J, Alberts SC.
- 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. Loisel DA, Alberts SC, Ober C.
- 2007 Behavioural inbreeding avoidance in wild African elephants. **Molecular Ecology** 16: 4138-4148. Archie EA, Hollister-Smith JA, Poole JH, Moss CJ, Alberts SC.
- Divided destinies: Group choice by female savannah baboons during group fission. **Behavioral Ecology and Sociobiology** 61: 1823-1837. Van Horn RC, Buchan JC, Altmann J, Alberts SC.
- Paternity success in wild African elephants. **Animal Behaviour** 74: 287-296. Hollister-Smith JA, Poole JH, Archie EA, Vance EA, Georgiadis NJ, Moss CJ, Alberts SC.
- Inbreeding depression in nonhuman primates: a historical review of methods used and empirical data. **American Journal of Primatology** 69: 1370-1386. Charpentier MJE, Widdig A, Alberts SC.
- Parallel effects of genetic variation in ACE activity in baboons and humans. **American Journal of Physical Anthropology** 134: 1-8. Tung J, Rudolph J, Altmann J, Alberts SC.
- 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. Gesquiere LR, Wango EO, Alberts SC, Altmann J.
- 2006 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. Loisel DA, Rockman MV, Wray GA, Altmann J, Alberts SC.
- Sexual selection in wild baboons: from mating opportunities to paternity success. **Animal Behaviour** 72: 1177-1196. Alberts SC, Buchan JC, Altmann J.
- 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, Altmann J, Alberts SC.
- 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. Silk JB, Alberts SC, Altmann J.
- The ecology of conception and pregnancy failure in wild baboons. **Behavioral Ecology** 17: 741-750. Beehner JC, Onderdonk D, Alberts SC, 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. Alberts SC and Altmann J.

- The endocrinology of pregnancy and fetal loss in wild baboons. **Hormones and Behavior** 49:688-699. Beehner JC, Nguyen N, Alberts SC, Altmann J.
- Linear dominance hierarchies in African elephants. **Animal Behaviour** 71: 117-127. Archie EA, Morrison TA, Foley CA, 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 B** 273: 513-522. Archie EA, Moss CJ, Alberts SC.
- 2005 Coming of age: steroid hormones of wild immature baboons, *Papio cynocephalus*. **American Journal of Primatology** 67:83-100. Gesquiere LR, Altmann J, Khan MZ, Couret J, Yu JC, Endres CS, Lynch JW, Ogola P, Fox EA, Alberts SC, Wango E.
- 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. Alberts SC, Hollister-Smith J, Mututua RS, Sayialel SN, Muruthi PM, Warutere JK, Altmann J.
- Locus effects and sources of error in non-invasive genotyping. **Molecular Ecology Notes** 5:680-683. Buchan JC, Archie EA, Van Horn RC, 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. Morrison TA, Chiyo PI, Moss CJ, Alberts SC.
- Growth rates in a wild primate population: ecological influences and maternal effects. **Behavioral Ecology & Sociobiology** 57: 490-501. Altmann J, Alberts SC.
- 2004 Life history correlates of steroid concentrations in wild peripartum baboons. **American Journal of Primatology** 64: 95-106. Altmann J, Lynch JW, Nguyen N, Alberts SC, Gesquiere LR.
- Patterns of coalition formation by adult female baboons in Amboseli, Kenya. **Animal Behaviour** 67: 573-582. Silk JB, Alberts SC, Altmann J.
- 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 Social bonds of female baboons enhance infant survival. **Science** 302: 1231-1234. Silk JB, Alberts SC, Altmann J.
- True paternal care in a multi-male primate society. **Nature** 425: 179-181. Buchan J, Alberts SC, Silk JB, Altmann J.
- Characterization of tetranucleotide microsatellite loci in the African Savannah Elephant (*Loxodonta africana africana*). **Molecular Ecology Notes** 3: 244-246. Archie EA, Moss CJ, Alberts SC.
- Variability in reproductive success viewed from a life-history perspective in baboons. **American Journal of Human Biology** 15: 401-409. Altmann J, Alberts SC.
- Gastrointestinal parasites in free-ranging Kenyan baboons (*Papio cynocephalus* and *P. anubis*). **International Journal of Primatology** 24: 271-279. Hahn NE, Proulx D, Muruthi PM, Alberts SC, Altmann J.
- Queuing and queue jumping: long term patterns of reproductive skew among male savannah baboons. **Animal Behaviour** 65: 821-840. Alberts SC, Watts H, Altmann J.
- Wild female baboons bias their social behaviour towards paternal half-sisters. **Proceedings of the Royal Society of London B** 270: 503-510. Smith K, Alberts SC, 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. Alberts SC and Altmann J.
- 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. Altmann J, Alberts SC.
- 2002 Significance of primate sexual swellings. **Nature** 420:142-143. Zinner D, Alberts SC, Nunn CL, Altmann J.
- 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. Storz JF, Beaumont MA, Alberts SC.
- Dramatic change in local climate patterns in the Amboseli basin, Kenya. **African Journal of Ecology** 40:248-251. Altmann J, Alberts SC, Altmann S, Roy S.
- The aging baboon: Comparative demography in a nonhuman primate. **Proceedings of the National Academy of Sciences, USA** 99(14):9591-9595. Bronikowski A, Alberts SC, Altmann J, Packer C, Carey KD, Tatar M.
- Sources of variation in the copulation calls of female yellow baboons. **American Journal of Primatology** 56:43-56. Semple S, McComb K, Alberts SC, Altmann J.
- Genetic effective size of a wild primate population: influence of current and historical demography. **Evolution** 56:817-829. Storz JF, Ramakrishnan U, Alberts SC.
- 2001 Determinants of effective population size for loci with different modes of inheritance. **Journal of Heredity** 92:497-502. Storz JF, Ramakrishnan U, Alberts SC.
- Immigration and hybridization patterns of yellow and anubis baboons in Amboseli, Kenya. **American Journal of Primatology** 53:139-154. Alberts SC and Altmann J.
- 2000 Fecal DNA genotyping in the savannah baboon: history, problems and data. **Conservation Genetics** 1:173-176. Bayes MK, Smith KL, Alberts SC, Cheesman DJ, Altmann J, Bruford MW.
- Cross-species amplification, non-invasive genotyping, and non-Mendelian inheritance of human STRPs in savannah baboons. **American Journal of Primatology** 51: 219-227. Smith KL, Alberts SC, Bayes MK, Bruford MW, Altmann J, Ober.
- 1999 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. Alberts SC.
- 1997 Hypercortisolism associated with social subordination or social isolation among wild baboons. **Archives of General Psychiatry** 54: 1137-1143. Sapolsky R, Alberts SC, Altmann J.
- 1996 Altmann J, Alberts SC, Haines SA, Dubach J, Muruthi P, Coote T, Geffen E, Cheesman DJ, Mututua RS, Saiyalel SN, Wayne RK, Behavior predicts genetic structure in a wild primate group. **Proceedings of the National Academy of Sciences, USA** 93:5797-5801. Lacy RC, and Bruford MW.
- Mate guarding constrains foraging activity of male baboons. **Animal Behaviour**. 51:1269-1277. Alberts SC, Altmann J, Wilson M.
- 1995 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. Alberts SC and Altmann J.
- 1994 Vigilance in young baboons: effects of habitat, age, sex and maternal rank on glance rate. **Animal Behaviour** 47: 749-755. Alberts SC.
- 1993 Genetic variability in the major histocompatibility complex: a review of non-pathogen-mediated selective mechanisms. **Yearbook of Physical Anthropology** 36: 71-90. Alberts SC and Ober C.
- 1992 Behavioral, endocrine, and immunological correlates of immigration by an aggressive male into a natural primate group. **Hormones and Behavior** 26: 167-178. Alberts SC, Sapolsky RM, and Altmann J.

- Endocrine and developmental correlates of unilateral cryptorchidism in a wild baboon. **American Journal of Primatology** 26: 309-314. Altmann J, Alberts SC, and Sapolsky RM.
- 1987 Body mass and growth rates in a wild primate population. **Oecologia** 72: 15-20. Altmann J and **Alberts SC**. Parental care in captive siamangs (*Hylobates syndactylus*). **Zoo Biology** 6: 401-406. **Alberts SC**.

MANUSCRIPTS IN PROGRESS

- In review Lifetime fitness in wild baboons: tradeoffs and individual heterogeneity in quality. **American Naturalist**. McLean EM, Altmann J, Archie EA, Alberts SC.
- In revision Male-mediated pregnancy termination: function and mechanism. **Evolutionary Anthropology**. Zippel M, Roberts EK, Alberts SC, Beehner JC.
- In review Dominance rank-associated gene expression is widespread, sex-specific, and a precursor to high social status in wild male baboons. Lea AJ, Akinyi-Matindi, AY, Nyakundi R, Mareri P, Nyundo F, Kariuki T, Alberts SC, Archie EA, Tung J. **Proceedings of the National Academy of Sciences, USA**.
- In review The diversity of population responses to environmental change. **Ecology Letters**. Colchero F, Jones OR, Conde DA, Hodgson D, Zajitschek F, Schmidt BR, Malo AF, Alberts SC, Becker PH, Bouwhuis S, Bronikowski AM, de Vleeschouwer K, Delahay RJ, Dummermuth S, Fernández-Duque E, Frisenvænge J, Hesselsøe M, Larson S, Lamaître J-F, McDonald J, Miller DAW, O'Donnell C, Packer C, Raboy BE, Reading CJ, Wapstra E, Weimerskirch H, While GM, Baudisch A, Flatt T, Coulson T, Gaillard J-M.
- In review Demographic, ecological, and social factors affecting helminth burdens in female baboons. Akinyi MY, Gesquiere LR, Altmann J, Alberts SC, Archie EA.
- In review Multi-scale predictors of parasite risk in wild male savanna baboons (*Papio cynocephalus*). Habig B, Jansen DAWAM, Akinyi MY, Gesquiere LR, Alberts SC, Archie EA.
- In prep Social and biological determinants of health. Tung J, Alberts SC, O'Rand A, Harris KM, Shively C, Gaydosh L, Aiello A, Belsky D, Snyder-Mackler N, ...
- In prep Stress and death: glucocorticoids predict survival in a wild primate population. Campos FA, Archie EA, Gesquiere LR, Altmann J, Alberts SC.
- In prep Maternal Early Life Adversity Affects Offspring Survival in a Social Primate. Zippel MN, Archie EA, Tung J, Altmann J, Alberts SC.
- In prep Rank and glucocorticoids and wild female baboons. Levy EJ, Archie EA, Gesquiere LR, Altmann J, Alberts SC.
- In prep Genetic variance, covariance, and indirect genetic effects for affiliative social behavior in a wild primate. McLean EM, Altmann J, Archie EA, Alberts SC.
- In prep Age estimates for wild primates using expert inference and inverse regression. Gampe J, Altmann J, Alberts SC.

COMMENTARIES, REVIEWS, POPULAR ARTICLES, ENCYCLOPEDIA ENTRIES

- Old World Monkey Mating Systems. To appear in: *The Encyclopedia of Animal Behavior*. Ed. P.A. Gowaty & J. Choe. Elsevier. Fitzpatrick CL, Alberts SC.
- Stuart Altmann. 2017. *The International Encyclopedia of Primatology*, Ed. A Fuentes. Wiley-Blackwell Press. Alberts, SC.
- The challenge of survival for wild infant baboons. 2016. **American Scientist** 104: 366-373. Alberts SC.

Viewpoint: Linking ecology, evolution and health: TriCEM. 2015. **BioScience** 65(8): 748-749. Nunn CL, Alberts SC, McClain CR, Meschnick SR, Rodrigo AG, Vision TW, Wiegmann BM. 2015.

The contributions of Jeanne Altmann (Introduction to a Special Tribute Issue). 2013. **Evolutionary Anthropology** 22:198-199. Alberts SC, Silk JB.

Science incubators: Synthesis centers and their role in the research ecosystem. 2012. **PLoS Biology** 11: e1001468. Rodrigo A, Alberts S, Cranston K, Kingsolver J, Lapp H, McClain C, Smith K, Vision T, Weintraub J, Wiegmann B. (Weekly Editor's Pick).

Dispatch: Primatology: "A Faithful Friend is the Medicine of Life". 2010. **Current Biology** 20: R632-R634. Alberts SC.

Policy Forum: Elephants, Ivory and Trade. **Science** 327: 1331-1332. 2010. 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.

Commentary: An assessment of the threat to Grevy's zebra from hybridization. 2009. **Animal Conservation** 12: 514-515. Chiyo PI, and Alberts SC. 2009.

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. Alberts SC.

Report: Primate life-history databank: setting the agenda. 2006. **Evolutionary Anthropology** 15: 44-46. Strier KB, Alberts SC, Wright PC, Altmann J & Zeitlyn D.

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

"Eminent Ecologist" residency, Kellogg Biological Station, Michigan State University (week-long residency), June 2018

Wake Forest University, Department of Biology, January 2018

German Primate Center 'Frontiers in Baboon Research' Symposium, Oct 2017

Plenary Speaker, 11th International Conference on Behaviour, Physiology, and Genetics of Wildlife. Berlin, Oct 2017

Duke University Program in Ecology, September 2017

University of Pennsylvania, Psychology Colloquium, Nov 2016

Harvard University, Department of Human Evolutionary Biology, April 2016

Keynote Speaker: Department of Pediatrics Research Retreat, Duke University Medical Center, April 2016

Distinguished Lecturer in Behavior, UNC Chapel Hill Biology Department, Sept 2015

Plenary Speaker, Animal Behavior Society, Anchorage, AK, June 2015

Duke-UNC Seminar on Social and Biological Determinants of Health, Spring 2015

Annual Conference on Aging, Max Planck Institutes, Leipzig, German, Feb 2015.

The Peter and Rosemary Grant Lecture in Evolutionary Biology. Institute of Environmental Biology and Evolutionary Studies, University of Zurich, Switzerland, Feb 2015.

Plenary Speaker, German Primate Society Conference, Leipzig, Germany, Feb 2015.

HHMI-Janelia Farms Research Campus Conference on "Life in the Aggregate: Mechanisms and Features of Social Dynamics." Oct 2014.

University of Kent School of Anthropology and Conservation, Canterbury, UK, June 2014.

Department of Ecology, Evolution and Environmental Biology, Columbia University, Feb 2014.

Semel Institute for Neuroscience and Human Behavior, UCLA, Feb 2014.

Morrison Institute Winter Colloquium in Population and Resource Studies, Stanford University, Feb 2014

Cold Spring Harbor Labs, Meeting on Neurogenetics & Behavior of Nonhuman Primates, September 2013

Department of Human Genetics, University of Chicago, May 2013

Institute of Primate Research, National Museums of Kenya, Nairobi, Kenya, March 2013

Max Planck Institute for Demographic Research, Rostock, Germany, June 2012

Princeton University, Demography of Aging Center, May 2012

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
Gordon Research Conference on Genes and Behavior, Ventura CA, February 2004
Reed College Department of Biology, February 2004
Virginia Polytechnic and State University, Department of Biology, November 2003
University of Illinois at Champagne-Urbana, School of Integrative Biology, October 2003
University of Minnesota, Department of Ecology, Evolution and Behavior, April 2003
Michigan State University, Program in Evolution, Ecology and Behavioral Biology, March 2002
Georgia Southern University, Department of Biology and the Campus Life Enrichment Committee, March 2002
University of Memphis, Department of Biology, February 2002
3rd Göttinger Freilandtage Conference on Sexual Selection in Primates, Göttingen Germany, December 2001
UCLA, Center for the Study of Evolution and the Origins of Life (CSEOL), December 2000
North Carolina State University, Department of Biology, May 2000
2nd Göttinger Freilandtage conference, "Primate Life Histories and Socioecology", Göttingen, Germany, Dec 1999
Max Planck Institute Seewiesen, Germany, Summer School, July 1998
Columbia University, Department of Anthropology, May 1998
UC Davis, Animal Behavior Graduate Group, NSF Workshop on Population Consequences of Individual Behavior,
March 1998
Duke University, Department of Zoology, March 1997
Boston University, Department of Biology, January 1997
Rutgers University, Department of Anthropology, April 1996
Zoological Society of London, Institute of Zoology, March 1996

SERVICE AT DUKE

Department Service, Biology and Evolutionary Anthropology, Duke University (service on tenure and promotion committees not listed).

- Evolutionary Anthropology, Chair, 2016 –
- Evolutionary Anthropology, Curriculum Committee, 2016 – present
- Evolutionary Anthropology, Collections Committee, 2016 – present
- Biology Department, Graduate Admissions Committee, 2016
- Biology Department, Promotion Review Committee, 2009 – 2014
- Biology Department, Faculty Search Committee, Department of Evolutionary Anthropology, 2011-2012
- Evolutionary Anthropology, Faculty Search Committee, 2009
- Biology Department, 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.
- Biology Department, Behavioral Neurobiology, Faculty Search Committee, Chair, 2008 – 2009.
- Biology Department, 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.
- Biology Department, Molecular Structure/Function Search Committee, 2003-4.
- Biology Department, Biogeochemistry Search Committee, 2002-3.
- Biology Department Seminar Committee, 2001-2002.

Extra-departmental and University Service.

- Review committee for Vice-Provost for Research, 2018
- Executive Committee of the Duke Global Health Institute, 2016 – present
- Search Committee for Director, Duke Global Health Institute, 2016-2017
- Duke Global Centers Committee, 2016 – present
- Global Priorities Committee, Chair, 2014 – 2016 (also Global Priorities Committee Member from 2011 – 2017)
- Board of Trustees Academic Affairs Committee, 2014 – 2016
- China Faculty Council, *ex officio*, 2014-2016
- Associate Director, Triangle Center for Evolutionary Medicine (TricEM), Nov 2015 – Nov 2016.
- Associate Director for Science, National Evolutionary Synthesis Center (NESCent), Dec 2009 – Nov 2015
- Academic Council, 2015 – 2017
- Advisory Committee for Online Education, *ex officio*, 2014 – 2016
- Academic Programs Committee, *ex officio*, 2014-2016
- Presenter to the *Summer Research Opportunities Fellows*, an undergraduate group at Duke University, June 2014, June 2017.
- Presenter to the *Biomedical Research Fellows*, an undergraduate group at Duke University. June 2015, June 2016.
- Global Vision Working Group member, Strategic Planning Committee, 2016
- Search Committee for Executive Vice-Chancellorship of Duke Kunshan University, 2015
- Funding Committee, Office of Global Strategies and Programs, 2012 – 2014
- Duke University Global Priorities Committee, 2011 – 2014
- Oosting Lecture Planning Committee, University Program in Ecology, 2011-2012, 2014-17
- *Pathways to Biological and Biomedical Research* Seminar for first-year biology students, BioCORE program, Oct 2014
- *HHMI/Compass Teaching and Learning Collaboratory*, Panelist, March 2015
- *Mentoring and Graduate Student Success* workshop (Faculty Group Leader), August 2013
- University Global Strategies Committee, 2012
- AB Duke Scholarship Selection Committee, 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, Duke Lemur Center, 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. \$448,484.00. 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

SERVICE TO THE SCIENTIFIC COMMUNITY

Society for the Study of Evolution, Council Member, 2016-2018

Society for the Study of Evolution, Rosemary Grant Research Award Committee, 2016-2017

American Academy of Arts and Sciences, Membership Panel for Section II:4, 2016 - present

American Society of Naturalists E.O. Wilson Award committee, 2015-2017; Chair 2017.

Editorial Board Member for PeerJ, 2015 –2017.

Associate Director, Triangle Center for Evolutionary Medicine (TriCEM), Nov 2015 – Nov 2016.

Associate Director for Science, National Evolutionary Synthesis Center (NESCent), Dec 2009 – Nov 2015.

Editorial Board Member for Behavioral Ecology, July 2009 – December 2014.

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, Proceedings of the National Academy of Sciences (including guest-editing two manuscripts), Proceedings of the Royal Society of London Series B, Science.

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

- Development of teaching modules
 - Participated in DryadLab Workshop and developed "Survivorship in the Natural World," a module for teaching the life history concepts of survivorship and population age structure to college level and upper level high school students. This module will be publicly available through the Dryad Data Repository beginning in June 2015.
 - Developed "CSI:Baboonland," a module aimed at middle school students, for teaching methods of genetic identity assignment.
- Presentations
 - Middle school science workshop, "CSI: Baboonland" (Taught regularly to middle school students at two Durham NC schools, 2012-2015).
 - Presentations to Pre-College and College Summer Research Programs at Duke University (HHMI and SROP); 2011, 2014, 2015.
 - 'Science Café' presenter: North Carolina Museum of Natural Sciences, Raleigh NC, Aug 2013, and "Periodic Tables", Durham NC, May 2011.
 - Presentation on the evolution of reproductive aging, for North Carolina State High School Science Teachers Workshop on Evolution and Medicine (March 2013).
 - Early elementary-level science workshop on animal behavior, at a North Carolina State school serving children with mental health challenges (April 2012).
 - Darwin Day celebrations, 10th and 11th Feb 2012, at a local middle school in Durham, NC.
 - High School Presentations: North Carolina School of Science and Math, Durham NC (Jan 2011) and Riverside High School (Jan 2002).
 - FEMMES (Females Excelling More in Math, Engineering and Science), a K-12 outreach program, Durham NC (Mar 2008).
 - Short science segments as a volunteer at a local public elementary school, Durham NC (2006-2007).

- Workshops for Durham area high school science teachers, aimed at developing content in evolutionary biology (2002-2003) (funded by NSF IBN-0091612).

SOCIETY MEMBERSHIPS

- American Association for the Advancement of Science (Elected Fellow)
- American Academy of Arts & Sciences (Elected Fellow)
- American Society of Naturalists (Lifetime)
- Animal Behavior Society (Lifetime)
- International Primatological Society (Lifetime)
- Society for the Study of Evolution (Lifetime)
- Sigma Xi, The Scientific Research Society
- British Ecological Society