

**CURRICULUM VITAE**  
**SUSAN CLAIRE ALBERTS**  
August 2021

**ADDRESS**

Departments of Biology and Evolutionary Anthropology  
Duke University, Box 90338, Durham NC 27708  
919-884-8714, 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 Distinguished 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

**HONORS, FELLOWSHIPS AND AWARDS**

2021 Sewall Wright Award, American Society of Naturalists  
2021 Distinguished Alumni Award, Medical and Biological Sciences Alumni Association, University of  
Chicago  
2019 Elected Member, National Academy of Sciences  
2019 Distinguished Primatologist Award, American Society of Primatologists  
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

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

2019-23	NSF IOS-1926060, "Collaborative Research: Competition within and between primate social groups: Hormonal and behavioral Signatures." Role: PI (with A.C. Markham, Stony Brook University).
2018-23	NIA R01AG053308, "The biodemography of early adversity: social behavioral processes in a wild animal model." Role: PI.
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. Role: PI of Subaward.
2016-21	NIA P01AG031719, "The male-female health-survival paradox and the social environment." This represents one of three projects in this Program Project, entitled "Demography of Sex Differences in Health and Survival." Role: PL of Project.
2015-20	NSF IOS-1456832, "LTREB Renewal: Life history and behavior in a primate hybrid zone." Role: PI.
2014-15	NIA R21 AG049936, "Epigenetic Consequences of Social Status across the Life Span in a Primate Model." With J. Tung (PI), Duke. Role: Co-PI.
2013-15	NIA R03 AG045459, "Novel integration of multidimensional data from an emerging model of aging," with J. Tung (PI), Duke. Role: Co-PI.
2009-15	NIA R01 AG034513, "Mechanisms and consequences of social connectedness in a wild primate population," Role: PI.
2009-15	NSF IOS-0919200 – "LTREB: Long-term behavioral and genetic analyses of a wild primate population." Role: PI.
2009-15	NIA P01 AG031719, "Sex differences in health and survival in a wild primate population." This represents one of three projects in this Program Project, entitled "Demography of Sex Differences in Health and Survival." Role: PL of Project.
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. Role: PI.
2007-09	NESCent ( <b>N</b> ational <b>E</b> volutionary <b>S</b> ynthesis <b>C</b> 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." Role: PI (with J. Altmann, Princeton University).
2003-06	NSF IBN-0322613 "Collaborative research: Relationship among demographic, social and genetic structure", Role: PI (with J. Altmann, Princeton University).
2001-06	NSF IBN-0091612, "Career: Social behavior and genetics in a fission-fusion society". \$500,002. Role: PI.

## PUBLICATIONS

- In press Automated, high-throughput image calibration for parallel-laser photogrammetry. Richardson J\*, Levy EJ\*, Ranjithkumar R, Monson E, Yang H, Galbany J, Conin A, Robbins MM, Alberts SC, Reeves M, McFarlin SC. \*Indicates equal contribution. **Mammalian Biology**.
- Accepted Distinct gene regulatory signatures of dominance rank and social bond strength in wild baboons. Anderson J, Lea AJ, Voyles T, Akinyi MY, Nyakundi R, Ochola L, Omondi M, Nyundo F, Zhang Y-Y, Campos FA, Alberts SC, Archie EA, Tung J. **Philosophical Transactions of the Royal Society Series B**.
- 2021 The long lives of primates and the ‘invariant rate of aging’ hypothesis. Colchero F, Aburto JM, Archie EA, Boesch C, Breuer T, Campos FA, Collins A, Conde D, Cords M, Crockford C, Emery Thompson M, Fedigan LM, Lawler RR, Lewis RJ, Machanda ZP, Mangeutte ML, Muller MN, Packer C, Parnell RJ, Perry S, Pusey AE, Robbins MM, Seyfarth RM, Silk JB, Staerk J, Stoinski TS, Stokes EJ, Strier KB, Strum SC, Tung J, Villavicencio F, Wittig RM, Wranghama RW, Zuberbühler K, Vaupel JW, Alberts SC. **Nature Communications**.
- 2021 Gut microbiome heritability is near-universal but environmentally contingent. Grieneisen L, Dasari M, Gould TJ, Björk JR, Grenier J-C, Yotova V, Jansen DAWAM, Gottel N, Gordon JB, Learn NH, Gesquiere LR, Wango TL, Mututua RS, Warutere JK, Siodi L, Gilbert JA, Barreiro LB, Alberts SC, Tung J, Archie EA\*, Blekman R\*. **Science** 373:181-186. \*Indicates equal contribution.
- In press Genetic ancestry predicts male-female affiliation in a natural baboon hybrid zone. Fogel AS, McLean EM, Archie EA, Altmann J, Alberts SC, Tung J. **Animal Behaviour**.
- In press Causal mediation analysis for sparse and irregular longitudinal data. Zeng S, Rosenbaum S, Alberts SC, Archie EA, Li F. **Annals of Applied Statistics**.
- 2021 Glucocorticoid exposure predicts survival in female baboons. Campos FA, Archie EA, Gesquiere LR, Tung J, Altmann J, Alberts SC. **Science Advances** 7(17): eabf67589
- High social status males experience accelerated epigenetic aging in wild baboons. Anderson JA, Johnston RA, Lea AJ, Voyles TN, Akinyi MY, Alberts SC, Archie EA, Tung J. **eLife** 10: e66128
- Maternal Death and Offspring Fitness in Wild Primates. Zippel MN, Altmann J, Campos FA, Cords M, Fedigan LM, Lawler RR, Lonsdorf EV, Perry S, Pusey AE, Stoinski TS, Strier KB, Alberts SC. **Proceedings of the National Academy of Sciences, USA** 118: e2015317118 (Direct submission).
- 2020 Higher dominance rank is associated with lower glucocorticoids in wild female baboons: A rank metric comparison. Levy EJ, Gesquiere LR, McLean E, Franz M, Warutere JK, Sayialel SN, Mututua RS, Wango TL, Oudu VK, Altmann J, Archie EA, Alberts SC. **Hormones and Behavior** 125: 104826. DOI: 10.1016/j.yhbeh.2020.104826
- Accelerated reproduction is not an adaptive response to early life adversity in wild baboons. Weibel C, Tung J, Altmann J, Alberts SC, Archie EA. **Proceedings of the National Academy of Sciences, USA** <https://doi.org/10.1073/pnas.2004018117>. (Direct submission)

Social bonds, social status, and survival in wild baboons: A tale of two sexes. \*Campos FA, \*Villavicencio F, Archie EA, Colchero F, Alberts SC. **Philosophical Transactions of the Royal Society** 375: 20190621  
\*Indicates equal contributions.

A comparison of dominance rank metrics reveals multiple competitive landscapes in an animal society. Levy EJ\*, Zippel MN\*, McLean EM, Campos FA, Dasari M, Fogel A, Franz M, Gesquiere LR, Gordon JB, Grieneisen L, Habig B, Jansen DAWAM, Learn NH, Weibel C, Altmann J, Alberts SC, Archie EA. **Proceedings of the Royal Society of London B** 207: 20201013. DOI: 10.1098/rspb.2020.1013  
\*Indicates equal contributions.

Social bonds do not mediate the relationship between early adversity and adult glucocorticoids in wild baboons. Rosenbaum S, Zeng S, Campos FA, Gesquiere L, Altmann J, Alberts SC, Li Fan, Archie EA. **Proceedings of the National Academy of Sciences, USA** 117(33): 20052-20062 (Contributed submission). DOI: 10.1073/pnas.2004524117

Social determinants of health and survival in humans and other animals. Snyder-Mackler N, Burger JR, Gaydosh L, Belsky D, Noppert GA, Campos FA, Bartolomucci A, Yang YC, Aiello AE, O'Rand A, Harris KM, Shively CA, Alberts SC, Tung J. **Science** 368(6493): eaax9553.

Non-invasive measurement of mucosal immunity in a free-ranging baboon population. Gesquiere LR, Habig B, Li A, Freid K, Hansen C, Learn NH, Alberts SC, Graham AL, Archie EA. **American Journal of Primatology** 82:e23093. DOI:10.1002/ajp.23093

2019 The Natural History of Model Organisms: Insights into the evolution of social systems and species from baboon studies. **eLife** 8:e50989. Fischer J, Higham JP, Alberts SC, Barrett L, Beehner JC, Bergman TJ, Carter AJ, Collins A, Elton S, Fagot J, Ferreira da Silva MJ, Hammerschmidt K, Henzi P, Jolly CJ, Knauf S, Kopp GH, Rogers J, Roos C, Ross C, Seyfarth RM, Silk J, Snyder-Mackler N, Städele V, Swedell L, Wilson ML, Zinner D. DOI: 10.7554/eLife.50989

Lifetime fitness in wild baboons: tradeoffs and individual heterogeneity in quality. **American Naturalist** 194(6) 745-759. McLean EM, Archie EA, **Alberts SC**. DOI: 10.1086/705810

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. **Behavioral Ecology and Sociobiology** 73(10): 134. DOI: 10.1007/s00265-019-2748-y

Intergenerational effects of early adversity on survival in wild baboons. Zippel MN, Archie EA, Tung J, Altmann J, **Alberts SC**. **eLife** 8:e47433. DOI: 10.7554/eLife.47433

Genes, geology, and germs: gut microbiota across a primate hybrid zone are explained by site soil properties, not host species. **Proceedings of the Royal Society Series B** 286(1901): 20190431. Grieneisen LE, Charpentier MJE, Alberts SC, Blekman R, Bradburd G, Tung J, Archie EA. <https://doi.org/10.1098/rspb.2019.0431>.

Male-mediated pregnancy termination: function and mechanism. **Evolutionary Anthropology** 28(3):114-125. Zippel M, Roberts EK, **Alberts SC**, Beehner JC.

Costs and drivers of helminth parasite infection in wild female baboons. **Journal of Animal Ecology** 88:1029-1043. Akinyi MY, Jansen D, Habig B, Gesquiere LR, **Alberts SC**, Archie EA. DOI: 10.1111/1365-2656.12994

- Invited Synthesis: Social influences on variation in survival and reproduction: Insights from a long-term study of wild baboons. **Journal of Animal Ecology** 88: 47-66. **Alberts SC**. DOI: 10.1111/1365-2656.12887
- Dominance rank-associated gene expression is widespread, sex-specific, and a precursor to high social status in wild male baboons. **Proceedings of the National Academy of Sciences, USA** 115 (52): E12163–E1217. Lea AJ, Akinyi-Matindi, AY, Nyakundi R, Mareri P, Nyundo F, Kariuki T, Alberts SC, Archie EA, Tung J.
- The diversity of population responses to environmental change. **Ecology Letters** 22(2): 342-353. Colchero F, Jones OR, Conde DA, Hodgson D, Zajitschek F, Schmidt BF, Malo AF, Alberts SC, Becker P, Bouwhuis S, Bronikowski AM, De Vleeschouwer KM, Delahay RJ, Dummermuth S, Fernández-Duque E, Frisenvænge J, Hesselsøe M, Larson S, Lemaître J-F, McDonald J, Miller DAW, O'Donnell C, Packer C, Raboy BE, Reading CJ, Wapstra E, Weimerskirch H, While GM, Baudisch A, Flatt A, Coulson T, Gaillard J-M. Doi: 10.1111/ele.13195
- A comprehensive analysis of autocorrelation and bias in home range estimation. **Ecological Monographs** 89(2): e01344. 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. DOI: 10.1002/ecm.1344
- 2018 Microbial nitrogen limitation in the mammalian large intestine. **Nature Microbiology** 3: 1441–1450. 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 LA.
- 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). Doi: 10.1016/j.ygcen.2018.02.004
- 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 [More than 100 authors]
- Climate and land cover analysis suggest no strong ecological barriers to gene flow in a natural baboon hybrid zone. **International Journal of Primatology** 40: 53-70. Wango TL, Musiega D, Mundia CN, Altmann J, **Alberts SC**, Tung J. DOI: 10.1007/s10764-017-9989-2
- 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](https://doi.org/10.1093/emph/eox019)
- Commentaries and response: **Evolution, Medicine, and Public Health** 2017 (1): 201- 205, [doi.org/10.1093/emph/eoy007](https://doi.org/10.1093/emph/eoy007)

- 2017 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/icx046
- 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, Blekhman 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 (33): 13440-13445**. **Alberts SC**, Altmann J, Brockman DK, Cords M, Fedigan LM, Pusey A, Stoinski T, Strier KB, Morris WF, Bronkowski 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, Sevenson 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**, 2<sup>nd</sup> 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 Synchrony and idiosyncrasy in the gut microbiome of wild primates. Björk JR, Dasari M, Grieneisen L, Gould TJ, Grenier J-C, Yotova V, Jansen D, Gittel N, Jansen DAWAM, Roche K, Mukherjee S, Gesquiere LR, Gordon JB, Learn NH, Wango TL, Mututua RS, Warutere JK, Siodi L, Barreiro LB, Alberts SC, Gilbert JA, Tung J, Blekman R, Archie EA. **Science Advances**.

- In review Causal mediation analysis for longitudinal mediators and survival outcomes. Zeng S, Lange EC, Archie EA, Campos FA, Alberts SC, Li F. **Journal of Agricultural, Biological, and Environmental Statistics**.
- In review Better baboon breakups: Collective decision theory of complex social network fissions. Lerch BA, Archie EA, Abbott KC, Alberts SC.
- In prep Female reproductive aging in seven primate species: patterns and consequences. Campos FA, Altmann J, Archie EA, Brockman, Cords M, Fedgan LM, Lawler R, Stoinski TS, Strier KB, Bronikowski AM, Pusey AE, 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.

**COMMENTARIES, REVIEWS, POPULAR ARTICLES, ENCYCLOPEDIA ENTRIES**

- “The Bruce effect should be defined by function, not mechanism: comments on ‘How to escape male infanticide: mechanisms for avoiding or terminating pregnancy in mammals.’” 2021, *Mammal Review*. Zipple ME, Roberts E, Alberts SC, Beehner JC. <https://doi.org/10.1111/mam.12250>
- “Old World Monkey Mating Systems” 2019. 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” 2010 **Science** 327: 1331-1332. 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 TALKS** (Note: because of family considerations I accept only a limited number of speaking engagements)

- Annual meeting of the Population Association of America, May 2021, Symposium entitled “New Frontiers in Comparative Human and Animal Model Research on the Social Dimensions of Aging” [Virtual symposium]

SEEM (“Seminars in Ecology and Evolution at Montpellier”), CNRS, Montpellier, France, April 2021 [Virtual seminar]  
Max Planck Institute of Ornithology, Seewiesen, Germany, February 2021 [Virtual seminar]  
Workshop on Sociality and Health in Primates, University of Göttingen and Max Planck Institute for Evolutionary Anthropology, Germany, November 2020 [Virtual seminar]  
University of Kentucky, Department of Biology, seminar speaker elected by the Biology Graduate Student Association (BGSA), September 2020 [Virtual seminar]  
Harvard Museums of Science and Public Culture, “Evolution Matters” series of public lectures, November 2019  
Washington University, Department of Anthropology, September 2019  
National Advisory Council on Aging, Washington DC, May 2019  
University of Michigan Evolution and Human Adaptation Program, November 2018  
Arizona State University, School of Human Evolution and Social Change, September 2018  
“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, 11<sup>th</sup> 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

Departmental Service in Biology and Evolutionary Anthropology (service on tenure and promotion committees not listed).

- Evolutionary Anthropology, Chair, 2016 – present
- 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, 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.

- Executive Research Oversight Committee, 2019 – present
- Distinguished Professorship Selection Committee, 2019 – present
- Executive Committee of the Duke Global Health Institute, 2016 – present
- Oosting Lecture Planning Committee, University Program in Ecology, 2011-2012, 2014-19
- Review committee for Vice-Provost for Research, 2018
- 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
- *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**

Animal Behavior Society, President, 2020-2024

2<sup>nd</sup> President-elect, 2020-2021

1<sup>st</sup> President-elect, 2021-2022

President, 2022-2023

Past-President, 2023-2024

National Primate Conservation Task Force, Kenya Wildlife Service, Kenya (2019-2024)

NSF Panel Service, 2018

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.

National Primate Conservation Task Force, Kenya Wildlife Service, Kenya (2013-2018)

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, 10<sup>th</sup> and 11<sup>th</sup> 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**

- National Academy of Sciences (Elected Member)
- American Academy of Arts & Sciences (Elected Fellow)
- American Association for the Advancement of Science (Elected Fellow)
- American Society of Naturalists (Lifetime)
- American Society of Primatologists (through 2021)
- Animal Behavior Society (Lifetime)
- International Primatological Society (Lifetime)
- Society for the Study of Evolution (Lifetime)
- American Association of Physical Anthropologists (through 2021)
- Sigma Xi, The Scientific Research Society
- British Ecological Society