

Anne C. Stone

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Education

1996 Doctor of Philosophy in Anthropology, Pennsylvania State University
1992 Master of Arts (with honors) in Anthropology, Pennsylvania State University
1989 Bachelor of Arts in Archaeology and Biology, University of Virginia

Employment History

2017- Regents' Professor, Arizona State University
2010-2016 Professor, School of Human Evolution and Social Change, Arizona State University
2003-2010 Associate Professor, Department of Anthropology (now School of Human Evolution and Social Change), Arizona State University
1999-2003 Assistant Professor, Department of Anthropology, University of New Mexico
1997-1998 Post-doctoral Fellow, Department of Ecology and Evolutionary Biology, University of Arizona
1989-1996 Teaching assistant for Introduction to Biological Anthropology and Biology of Human Disease (5 semesters), research assistant (4 semesters), museum assistant (3 semesters), Department of Anthropology, Pennsylvania State University

Professional Interests

Anthropology, evolutionary biology, primates, ancient DNA, evolution of disease, biogeography.

Academic Honors and Awards

2017 Regents' Professor, Arizona State University
2016 Elected to the National Academy of Sciences, USA
2011 Fellow, American Association for the Advancement of Science
2010 ASU faculty exemplar award
2007 Kavli fellow, Kavli Frontiers of Science program, US frontiers.
2003 Southwest Regional Young Investigator Award, Sigma Xi, The Scientific Research Society.
2000 Young Investigator Award of the University of New Mexico Sigma Xi Chapter
1997-1998 National Institutes of Health NRSA Post-doctoral fellowship with Dr. Michael Hammer at the University of Arizona.
1996 Earnest A. Hooton Prize for the poster "Genetic analysis of a prehistoric Native American population", American Association of Physical Anthropologists, Durham, N.C.
1992-1993 Fulbright Scholarship to study with Dr. Svante Pääbo at the Ludwig Maximilian University in Munich, Germany
1992 Honorable Mention, Graduate Research Exhibit, Pennsylvania State University.
1992 Matson/Benson Award for Service, Matson Museum of Anthropology, The Pennsylvania State University.
1990 National Science Foundation Honorable Mention Recipient.

External Research Grants

- 2017-2019 DNA from Burned Bone: The application of ancient DNA methods to forensic DNA recovery. National Institute of Justice, 2016-DN-BX-0158
- 2015-2018 Ancient American tuberculosis: origin(s), spread, and replacement. Grant from the National Science Foundation, BCS- 1515163, PI with Co-PIs Jane Buikstra and Michael Rosenberg.
- 2015-2016 Next-Generation genetic Analyses of Tuberculosis DNA in ancient Native Alaskans. Grant from the Wenner Gren Foundation for Anthropological Research (PI).
- 2011-2015 An investigation of the evolutionary history of tuberculosis using ancient DNA. Grant from the National Science Foundation, BCS-1063939. PI with Co-PI Dr. Jane Buikstra.
- 2011-2014 Genetic analyses of Gombe chimpanzee skeletons (1966-1987), Grant from the Leakey Foundation (PI)
- 2009-2010 Evolutionary history of tuberculosis: an ancient DNA approach. Research Experience for Undergraduates (NSF) supplement to BCS-0612222. (PI).
- 2008-2012 Characterization and Evolution of Copy Number Variation Among Primates. Grant from the National Institutes of Health. 1R01GM081533-01A1. Co-PI with PI Dr. Charles Lee (Harvard University) and Co-PI Dr. Yoav Gilad (University of Chicago)
- 2007-2011 Recombination and population history in Pan. Grant from the National Science Foundation, BCS-07115972. Co-PI with PI Dr. Brian Verrelli
- 2006-2010 Evolutionary history of tuberculosis: an ancient DNA approach. Grant from the National Science Foundation, BCS-0612222. PI with Co-PIs Dr. Jane Buikstra and Dr. Alicia Wilbur.
- 2005 Genetic history of Peru, Research Experience for Undergraduates (NSF) supplement to BCS-0242958. (PI)
- 2003-2007 Genetic history of Peru, Grant from the National Science Foundation, BCS-0242958 (0401434). (PI)
- 2002 Y Chromosome Diversity in the genus Pan. Research Experience for Undergraduates (NSF) supplement to BCS-0073871. (PI)
- 2000-2003 Y Chromosome Diversity in the genus Pan. Grant from the National Science Foundation, BCS-0073871. (PI)
- 1999 The evolutionary history of the genus *Pan*: a molecular investigation using the Y chromosome. Grant from the National Science Foundation. (PI)
- 1997-1998 Y chromosome variation in *Pan troglodytes* and *Pan paniscus*. Grant from the Wenner-Gren Foundation for Anthropological Research. (PI)
- 1994 Genetic and mortuary analyses of a prehistoric Native American community. NSF Dissertation Improvement Grant. Co-PI with PI Dr. Mark Stoneking.
- 1994 Genetic and mortuary analyses of a prehistoric Native American community. General grant from The L.S.B. Leakey Foundation.
- 1993 Sex determination of skeletal remains using DNA analysis. Grant-In-Aid of research from Sigma Xi, the Scientific Research Society.

Internal Research Grants

- 2008-2011 People, Primates, and Pathogens: The Evolution of a Global Emergency, and the Future of Conservation and Public Health Efforts. Grant funded by Late Lessons from Early History, a research initiative funded by the ASU President's Strategic Initiatives Fund. (Co-PI)
- 2002 Research Allocations Committee (RAC) grant for Tuberculosis susceptibility among Paraguayan populations. (PI)
- 2000 Research Allocations Committee (RAC) grant for Genetic diversity in prehistoric and present-day populations of Peru. (PI)
- 1997 Y chromosome variation in the genus *Pan*. Small grant from the University of Arizona Foundation and the Office of the Vice President for Research.
- 1994 Hill Fellowship for dissertation research, Department of Anthropology, The Pennsylvania State University.

Publications

- Submitted Nieves-Colón MA, Ozga AT, Pestle WJ, Cucina A, Tiesler V, Stanton TW, and Stone AC. Comparison of two ancient DNA extraction protocols for skeletal remains from tropical environments. American Journal of Physical Anthropology. <http://www.biorxiv.org/content/early/2017/09/03/184119>
- Submitted Housman G, Havill LM, Quillen EE, and Stone AC. Assessment of DNA methylation patterns in the bone and cartilage of a nonhuman primate model of osteoarthritis. Cartilage. <http://www.biorxiv.org/content/early/2017/09/06/184879>
- Submitted Honap TP, Pfister L-A, Housman G, Mills S, Tarara RP, Suzuki K, Cuzzo FP, Sauter ML, Rosenberg MS, and Stone AC. *Mycobacterium leprae* genomes from naturally infected nonhuman primates. PLoS Neglected Tropical Diseases
- Submitted Gokhman D, Agranat-Tamir, Housman G, Nissim-Farina M, Nieves-Colón M, Gu H, Ferrando-Bernal M, Gelabert P, Lipende I, Quillen EE, Meissner A, Stone AC, Pusey AE, Mjungu D, Kandel L, Liebergall M, Prada ME, Vidal JM, Krause J, Yakir B, Paabo S, Reich D, Lalueza-Fox C, Marques-Bonet T, Meshorer E, and Carmel L. Recent regulatory changes shaped human facial and vocal anatomy. <http://biorxiv.org/content/early/2017/02/16/106955>
- In press Benjak A, Honap TP, Avanzi C, Becerril-Villanueva LE, Rojas-Espinosa O, Stone AC and Cole ST. Insights from the genome sequence of *Mycobacterium lepraemurium*: massive gene decay and reductive evolution. mBio
- 2017 Ritzman TB, Banovich N, Buss KP, Guida J, Rubel M, Pinney J, Khang B, Ravosa MJ, and Stone AC. Facing the facts: Changes in the *Runx2* gene modulates facial morphology in primates. Journal of Human Evolution 111:139-151

- 2017 Watkins JK, Blatt SH, Bradbury CA, Alanko GA, Kohn MJ, Lytle ML, Taylor J, Lacroix D, Nieves-Colón MA, Stone AC, and Butt DP. Determining the population affinity of an unprovenanced human skull for repatriation. Journal of Archaeological Science 12: 384-394
- 2017 Malukiewicz J, Grativol A, Ruiz-Miranda CR, and Stone AC Application of PE-RADSeq Genome Scans to the Study of Genomic Diversity and Divergence in two Brazilian marmoset species (*Callithrix jacchus* and *C. penicillata*). American Journal of Primatology 79(2):1-12. doi: 10.1002/ajp.22587
- 2017 Malukiewicz J, Hepp CM, Guschanski K, and Stone AC. Complete mitochondrial genomes resolve the phylogeny of the *jacchus* group of *Callithrix* marmosets. American Journal of Physical Anthropology. Jan;162(1):157-169. doi: 10.1002/ajpa.23105.
- 2016 Kotze A, Dalton DL, Strinden M, Sauter ML, Cuzzo FP, and Stone AC. An evaluation of the oral microbiome and potential zoonoses of two ubiquitous South African strepsirrhine primates *Otolemur crassicaudatus* and *Galago moholi*. African Primates 11 (1): 19-26.
- 2016 Ozga AT, Nieves-Colón MA, Honap TP, Sankaranarayanan K, Hofman C, Milner G, Lewis CM, Stone AC, and Warinner C. Successful enrichment and recovery of whole mitochondrial genomes from ancient human dental calculus. American Journal of Physical Anthropology. doi: 10.1002/ajpa.22960
- 2016 Harkins KM, Schwartz RS, Cartwright RA and Stone AC, Phylogenomic reconstruction supports supercontinent origins for *Leishmania*. Infection, Genetics and Evolution 38:101-109.
- 2015 Guichon RA, Buikstra JE, Stone AC, Harkins KM, Suby JA, Massone M, Preto Iglesias A, Wilbur AK, Constantinescu F, and Rodriguez Martin C. Pre-Columbian tuberculosis in Tierra del Fuego? Paleopathologies and molecular evidence for discussion. International Journal of Paleopathology 11: 92-101.
- 2015 Housman G, Boere V, Grativol AD, Malukiewicz J, Pereira LC de Oliverira e Silva I, Ruiz-Miranda CR, Truman R, and Stone AC. Validation of qPCR methods for the detection of *Mycobacterium* in New World animal reservoirs. Plos Neglected Tropical Diseases Nov 16;9(11):e0004198, doi: 10.1371/journal.pntd.0004198
- 2015 Schwartz RS, Harkins KM, Stone AC and Cartwright RA. A composite genome approach to identify phylogenetically informative data from Next-Generation Sequencing. BMC Bioinformatics 16:193,DOI 10.1186/s12859-015-0632-y

- 2015 Malukiewicz J, Boere V, Fuzessy L, Grativol AD, Silva IO, Pereira LCM, Ruiz-Miranda CR, Valenca YM, and Stone AC. Natural and anthropogenic hybridization in two species of eastern Brazilian marmosets (*Callithrix jacchus* and *C. penicillata*). PLoS One. Jun 10;10(6):e0127268. doi: 10.1371/journal.pone.0127268
- 2015 Harkins K and Stone AC. Ancient pathogen genomics: insights into timing and adaptation. Journal of Human Evolution 79:137-149
- 2015 Harkins K, Buikstra JE, Campbell T, Bos KI, Johnson ED, Krause J, and Stone AC. Screening ancient tuberculosis with qPCR: challenges and opportunities. Philosophical Transactions of the Royal Society, London, series B 370:20130622.
- 2014 Malukiewicz J, Boere V, Fuzessy L, Grativol AD, French JA, de Oliveira e Silva I, Pereira LCM, Ruiz-Miranda CR, Valenca YM, and Stone AC. Hybridization effects and genetic diversity of the common and black tufted marmoset (*Callithrix jacchus* and *C. penicillata*) mitochondrial control region. American Journal of Physical Anthropology 155:522-36
- 2014 Cabana GS, Lewis CM Jr, Tito RY, Covey RA, Cáceres AM, de la Cruz AF, Durand D, Housman G, Hulsey BI, Iannacone GC, López PW, Martínez R, Medina Á, Ortego Dávila O, Osorio Pinto KP, Polo SI, Rojas Domínguez P, Rubel M, Smith HF, Smith SE, Rubín de Celis Massa V, Lizárraga B., and Stone AC. Population genetic structure of traditional populations in the Peruvian central Andes and implications for South American population history. Human Biology 86(3):147-65
- 2014 Bos KI*, Harkins KM*, Herbig A*, Coscolla M*, Weber N, Comas I, Forrest SA, Bryant JM, Harris SR, Schuenemann VJ, Campbell TJ, Majander K, Wilbur AK, Guichon RA, Wolfe Steadman DL, Cook DC, Niemann S, Behr MA, Zumarraga M, Bastida R, Huson D, Nieselt K, Young D, Parkhill J, Buikstra JE, Gagneux S, Stone AC†, and Krause J† (*co-first authors, †co-senior authors), Pre-Columbian mycobacterial genomes reveal seals as a source of New World human tuberculosis. Nature 514:494-497.
- 2014 Lou DI, McBee RM, Uyen QL, Stone AC, Wilkerson GK, Demogines AM, and Sawyer SL. Rapid evolution of the BRCA1 and BRCA2 proteins in humans and other primates. BMC Evolutionary Biology. Jul 11;14:155.
- 2013 Ferreira Z, Hurle B, Andres A, Kretzschmar W, Mullikin J, Cherukuri P, Cruz P, Gonder MK, Stone AC, Tishkoff S, Swanson W, NISC Comparative Sequencing Program, Clark AG, Green E, and S Seixas. Sequence diversity of *Pan troglodytes* subspecies and the impact of *WFDC6* selective constraints in reproductive immunity. Genome Biology and Evolution 5:2512-2523.
- 2013 Benn Torres J, Stone AC, and Kittles R. An Anthropological Genetic Perspective on Creolization in the Anglophone Caribbean. American Journal of Physical Anthropology. 151:135-143.

- 2012 Iskow RC, Gokcumen O, Abyzov A, Malukiewicz J, Zhu Q, Sukumar AT, Pai AA, Mills RE, Habegger L, Cusanovich DA, Rubel MA, Perry GH, Gerstein M, Stone AC, Gilad Y, and Lee C. Regulatory element copy number differences shape primate expression profiles. Proceedings of the National Academy of Sciences, USA 109:12656-12661.
- 2012 Ferguson W, Dvora S, Stone AC, and Boissinot S. Long-term balancing selection at the antiviral gene OAS1 in central African chimpanzees. Molecular Biology and Evolution. 29:1093-1103
- 2010 Stone AC, Battistuzzi F, Kubatko LS, Perry GH, Trudeau E, Lin H, and Kumar S. More reliable estimates of divergence times in Pan using complete mtDNA sequences and accounting for population structure. Philosophical Transactions of the Royal Society, Series B. 365:3277-3288.
- 2010 Klaus H, Wilbur AK, Temple D, Buikstra, JE, Stone AC, Fernandez M, Wester C, and Tam M. Tuberculosis on the North Coast of Peru: Skeletal and Molecular Paleopathology of Late Pre-Hispanic and Postcontact Mycobacterial Disease. Journal of Archaeological Science 37:2587-2597.
- 2010 Claw KG, Tito RY, Stone AC, and Verrelli BC. Haplotype structure and divergence at human and chimpanzee serotonin transporter and receptor genes: implications for behavioral disorder association analyses. Molecular Biology and Evolution 27:1518-1529
- 2009 Stone AC, Wilbur AK, Buikstra JE, and Roberts CA, Tuberculosis and leprosy in perspective. Yearbook of Physical Anthropology 140 Suppl 49:66-94.
- 2009 Wilbur AK, Bouwman AS, Stone AC, Roberts CA, Pfister LA, Buikstra JE, and Brown TA, Deficiencies and challenges in the study of ancient tuberculosis DNA. Journal of Archaeological Science 36:1990-1997
- 2008 Verrelli BC, Lewis CM, Stone AC, and Perry GH. Different selective pressures shape the molecular evolution of color vision in human and chimpanzee populations. Molecular Biology and Evolution 25:2735-2743
- 2008 Perry GH, Yang F, Marques-Bonet T, Murphy C, Fitzgerald T, Lee AS, Hyland C, Smith RS, Stone AC, Hurler ME, Tyler-Smith C, Eichler EE, Carter NP, Lee C, and Redon R. Copy number variation and genome evolution in humans and Chimpanzees. Genome Research 18:1698-1710.
- 2007 Lewis CM, Buikstra JE, and Stone AC. Ancient DNA and genetic continuity in the south central Andes. Latin American Antiquity 18:145-160.

- 2007 Lewis CM, Lizarraga B, Tito RY, Lopez P, Iannacone GC, Medina AC, Marinez RE, Polo SI, de la Cruz F, Cáceres AM, and Stone AC. Mitochondrial DNA and the peopling of South America. Human Biology 79:159-178.
- 2007 Perry GH, Dominy NJ, Claw KG, Lee AS, Werner J, Villanea FA, Mountain JL, Misra R, Lee C, and Stone AC. Diet and the evolution of amylase gene copy number variation among human populations. Nature Genetics 39:1256-1260.
- 2007 Benn Torres J, Kittles R, and Stone AC. Mitochondrial and Y chromosome diversity in the English-speaking Caribbean. Annals of Human Genetics 71:782-90
- 2007 Parker-Katirae L, Carson AR, Yamada, T, Arnaud P, Feil R, Abu-Amero SN, Moore GE, Kaneda M, Perry GH, Stone AC, Lee C, Meguro-Horike M, Sasaki H, Kobayashi K, Scherer SW. Identification of the imprinted KLF14 transcription factor undergoing human-specific accelerated evolution. PLOS Genetics, May 4;3(5):e65
- 2007 Becquet C, Patterson N, Stone A, Przeworski M, and Reich D. Elucidating the population structure of chimpanzees. PLOS Genetics, Apr 20;3(4):e66.
- 2007 Wilbur AK, Kubatko LS, Feurstein JR, Hurtado AM, Hill KR, and Stone AC. Vitamin D receptor gene polymorphisms and susceptibility *M. tuberculosis* in Native Paraguayans. Tuberculosis 87:329-337
- 2007 Clark VJ, Ptak SE, Tiemann I, Qian Y, Coop G, Stone AC, Przeworski M, Arnheim M, and Di Rienzo A. Combining sperm typing and LD analyses reveals differences in selective pressures or recombination rates across human populations. Genetics 175:795-804
- 2006 Stone AC and Verrelli BC. Focusing on comparative ape population genetics in the post-genomic age. Current Opinion in Genetics and Development. 16:586-591
- 2006 Verrelli BC, Tishkoff SA, Stone AC and Touchman JW. Contrasting histories of G6PD molecular evolution and malarial resistance in humans and chimpanzees. Molecular Biology and Evolution. 23:1592-1601.
- 2006 Perry GH, Tchinda J, McGrath SD, Zhang J, Picker SR, Cáceres AM, Iafrate AJ, Scherer SW, Eichler EE, Stone AC and Lee C. Hotspots for copy number variation in chimpanzees and humans. Proceedings of the National Academy of Sciences, USA 103:8006-8011. (co-senior authors)
- 2006 Wooding S, Bufe B, Grassi C, Howard MT, Stone AC, Vazquez M, Dunn DM, Meyerhof W, Weiss RK, and Bamshad MJ, Convergent evolution of bitter taste sensitivity in humans and chimpanzees. Nature 440:930-934.

- 2006 Perry GH, Verrelli B, and Stone AC, Molecular evolution of the primate developmental genes *MSX1* and *PAX9*. Molecular Biology and Evolution 23:644-654.
- 2005 Lewis CM, Tito R, Lizarraga B, and Stone AC, Land, Language, and Loci: MtDNA in Native Americans and the Genetic History of Perú. American Journal of Physical Anthropology. 127: 351-360.
- 2005 Perry G, Verrelli B, and Stone AC, Comparative analyses reveal a complex history of molecular evolution for human MYH16. Molecular Biology and Evolution 22:379-382.
- 2005 Wooding S, Stone AC, Dunn DM, Mummidi S, Jorde LB, Weiss RB, Ahuja SK, and Bamshad MJ, A selective sweep in chimpanzee CCR5 and resistance to AIDS. American Journal of Human Genetics 76:291-301.
- 2003 Ramenofsky AF, Wilbur AK and Stone AC, Native American disease history: past, present, future directions. World Archaeology 35:241-257.
- 2003 Pearson OM and Stone AC, On the diffusion-wave model for the spread of modern humans. Current Anthropology 44:559-561
- 2003 Hofkin BV, Wright A, Brown J, Miller RD, Rassmann K, Snell H, Stone AC and Snell H, Ancient DNA gives green light to repatriation of Galápagos Iguanas. Conservation Genetics 4:105-108.
- 2002 Monsalve MC, Stone AC, Lewis CM, Rempel A, Richards M, Straathof D, and Devine DV, Molecular analysis of 550 year old human remains found in a glacier in Canada. American Journal of Physical Anthropology. 119:288-291
- 2002 Bamshad M, Mummidi S, Gonzalez E, Ahuja SS, Dunn DM, Stone AC, Jorde LB, Ahuja SK, Weiss RB, Evidence of balancing selection in the 5' cis-regulatory region of CCR5. Proceedings of the National Academy of Sciences, USA 99:10539-10544
- 2002 Stone AC, Griffiths RC, Zegura SL and Hammer M, High levels of Y-chromosome nucleotide diversity in the genus *Pan troglodytes*. Proceedings of the National Academy of Sciences, USA 99:43-48.
- 2001 Stone AC, Starrs JE and Stoneking M, Mitochondrial DNA analysis of the presumptive remains of Jesse James. Journal of Forensic Sciences 46:173-176.
- 1999 Stone AC and Stoneking M, Analysis of ancient DNA from a prehistoric Amerindian cemetery. Philosophical Transactions of the Royal Society, London, series B 354:153-159.

- 1998 Stone AC and Stoneking M, MtDNA analysis of a prehistoric Oneota population: implications for the peopling of the New World. American Journal of Human Genetics 62(5):1153-1170.
- 1997 Krings M, Stone AC, Schmitz RW, Krainitzki H, Stoneking M and Pääbo S, Neandertal DNA sequences and the origin of modern humans. Cell 90(1):19-30.
- 1996 Stone AC and Stoneking M, Genetic analyses of an 8000 year-old Native American skeleton. Ancient Biomolecules 1:83-87.
- 1996 Stone AC, Milner GR, Pääbo S and Stoneking M, Sex determination of ancient human skeletons using DNA. American Journal of Physical Anthropology 99:231-238.
- 1994 Handt O, Richards M, Trommsdorf M, Kilger C, Simanainen J, Georgiev O, Bauer K, Stone A, Hedges R, Schaffner W, Utermann G, Sykes B, and Pääbo S, Molecular genetic analyses of the Tyrolean Ice Man. Science 264:1775-1778.
- 1993 Stone AC and Stoneking M, Ancient DNA from a Pre-Columbian Amerindian population. American Journal of Physical Anthropology 92:463-471.

Book Chapters

- Submitted Nieves-Colon MA and Stone AC, Ancient DNA analysis of archaeological remains. In *Biological Anthropology of the Human Skeleton*, M. A. Katzenberg and Anne L Grauer, eds., New York: Wiley Inc.
- Submitted Van Steelandt A and Stone AC. Genetics, Evolutionary Medicine, and the Evolution of Human Pathogens. In *A Companion to Anthropological Genetics*, Dennis O'Rourke ed. Hoboken: Wiley & Sons.
- Submitted Stone AC and Schwartz GT, Food digestive system genes. In *Evolution of the human genome I: The genome and genes*. Naruya Saitou, ed. Springer Press.
- 2012 Wilbur AK and Stone AC, Using ancient DNA techniques to study human disease. In *The Global History of Paleopathology: Pioneers and Prospects*, JE Buikstra and CA Roberts eds., New York and Oxford: Oxford University Press. Pp. 703-17.
- 2006 Stone AC, Ancient DNA research in North America, In *Environment, Origins, and Population. Handbook of North American Indians, Vol. 3*, Ubelaker D. ed., Washington D.C.: Smithsonian Institution.
- 2005 Lewis CM and Stone AC, MtDNA diversity at the archaeological site of Chen Chen in Perú. In *Biomolecular Archaeology: Genetic Approaches to the Past*. D. Reed ed. Occasional Paper No. 32, Center for Archaeological Investigations. Carbondale: Southern Illinois University Press. Pp. 47-60.

- 2005 Monsalve VM, Lewis CM and Stone AC, DNA analysis of human remains dated circa 500YB found recently in Canada. In *Biomolecular Archaeology: Genetic Approaches to the Past*. D. Reed ed. Occasional Paper No. 32, Center for Archaeological Investigations. Carbondale: Southern Illinois University Press. Pp. 9-21.
- 2003 Monsalve MV, Stone AC, Lewis CM, Rempel A, Richards M, Straathof D, and Devine DV. MtDNA-analysis of human ancient remains found in a glacier in Canada in 1999. In *Mummies in a new millenium: proceedings of the 4th congress on mummy studies*. N. Lynnerup, C. Andreasen, and J. Berglund, eds. Pp. 128-130. Copenhagen: Danish Polar Center. p. 128-130.
- 2003 Stone AC, Extraction and amplification of ancient DNA. In *PCR Technology: Current Innovations*, 2nd Edition. Thomas Weissensteiner, Hugh Griffin, and Annette Griffin, eds. Boca Raton FL: CRC Press LLC. p. 1-6.
- 2002 Stone AC, The Postdoc Experience – Is There a Light at the End of the Tunnel? In *A Guide to Careers in Physical Anthropology*. Alan S. Ryan ed. Westport CT: Greenwood Publishing Group, Inc. p. 109-114.
- 2000 Stone AC, Ancient DNA from skeletal remains. In *Biological Anthropology of the Human Skeleton*, M. A. Katzenberg and S. Saunders, eds., New York: Wiley Liss, Inc. p. 343-363.
- 1999 Stone AC, Reconstructing human societies with ancient molecules. In *Who Were the First Americans?* Proceedings of the 58th Annual Biology Colloquium, Oregon State University, R. Bonnichsen ed., Corvallis, OR: Center for the Study of the First Americans.

Invited Lectures/Colloquia

- 2017 The origins and evolution of tuberculosis in the Americas, Department of Anthropology, University of Oklahoma, Norman OK.
- 2016 How can we learn about pathogens using ancient DNA? and The origins and evolution of tuberculosis in the Americas, Oakland University, Rochester, MI.
- 2016 The origins and evolution of tuberculosis in the Americas, Department of Anthropology, University of Tennessee, Knoxville, TN.
- 2016 Ancient DNA and the Americas: current projects and challenges in anthropological research, Max Planck for the Science of Human History, Jena, Germany.
- 2016 Tuberculosis and Leprosy: origins, migration, and exchange in humans and other primates. Department of Anthropology, New York University, New York, NY
- 2015 Tuberculosis and Leprosy: origins, migration, and exchange in humans and other animals. Department of Medical Parasitology and Infection Biology, Swiss Tropical and Public Health Institute, University of Basel, Basel, Switzerland.
- 2015 Tuberculosis and Leprosy: origins, migration, and exchange in humans and other primates. Department of Anthropology, University of Michigan, Ann Arbor.

- 2014 Tuberculosis: origins, migration, and exchange in humans and other primates. Department of Anthropology, Washington University, St. Louis.
- 2014 Biogeography of *M. tuberculosis* before and after the Age of Exploration. Symposium on Disease, Immunity, and Ancient DNA: How interdisciplinary research reveals the evolution of human health and environmental adaptation. University of Zurich.
- 2014 TB and leprosy: origins and exchanges among humans and other primates. Seminar in the Department of Anthropology, Yale University
- 2013 Panel: What can anthropological researchers tell us about the past? Part 2: food and health. Celebrating the Huron-Wendat Nation in Ontario: Exploring New Approaches to Learn about the Past. University of Toronto.
- 2012 TB and leprosy: origins and exchanges among humans and other primates. Seminar in the Department of Genome Sciences at the University of Washington, sponsored by the Women in Genome Sciences group.
- 2011 Tuberculosis: origins, migration, and exchange in humans and other primates. Seminar for the Department of Evolutionary Anthropology at Duke University.
- 2010 The effect of copy number variation on gene expression in primates. Human Genetics Seminar, University of California, Davis.
- 2007 *Mycobacterium tuberculosis*: an evolutionary perspective from ancient and modern DNA. (with Dr. Alicia Wilbur) University of Durham, Durham, United Kingdom.
- 2007 What ancient and modern DNA tells us about the evolution of *Mycobacterium tuberculosis*. (with Dr. Peter Small and Dr. Sebastien Gagneux). Morrison Institute lecture series, Stanford University
- 2005 Population structure and history in Peru, San Marcos University, Lima, Peru
- 2004 Genetic diversity in Peru, San Marcos University and Ricardo Palma University, Workshop in Lima, Peru.
- 2004 Genetic history in Peru, lecture at Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2001 ADN Neandertal y los orígenes modernos de los humanos, San Marcos University, Catholic University and Universidad Ricardo Palma, Lima, Peru
- 2000 Y chromosome variation in Chimpanzees, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2000 Ancient DNA and the Peopling of the Americas, San Marcos University and San Martin de Porres University, Lima, Peru
- 2000 Neandertal DNA and modern human origins, Hartnell College, Salinas, CA
- 1999 Social structure and the peopling of the New World: a view from an Illinois bluff, Lecture series on new techniques in archaeology, University of Cincinnati, Cincinnati, OH.
- 1999 Neandertal DNA and modern human origins, Taft Lecture in Anthropology, University of Cincinnati, Cincinnati, OH
- 1999 Postdoctoral opportunities in physical anthropology, Career Symposium at the American Association of Physical Anthropologists, Columbus, OH.
- 1997 Reconstructing human societies with ancient molecules. 58th annual Biology Colloquium, "Who were the First Americans?" at the Oregon State University.
- 1993 Genetic affiliations and sexing of a Pre-Columbian Native American tribe. Ancient Human DNA course, Armed Forces Institute of Pathology.

Conference Presentations: Invited papers

- 2017 Stone AC. Current Methods in ancient DNA research: implications for forensic analyses. Workshop on ancient DNA from bone, International Society for Forensic Genetics Conference, Seoul, Korea.
- 2017 Stone AC, Honap TP, Vågane Å, Herbig A, Rosenberg MS, Bos KI, Buikstra JE, and Krause J. Ancient TB in the Americas: the partnership between bioarchaeology and genetics to identify a killer. American Association of Physical Anthropology, New Orleans.
- 2016 Nieves-Colón M and Stone AC. Ancient DNA preservation in tropical pre-contact archaeological sites in the Americas, Society of Molecular Biology and Evolution meetings, Gold Coast, Australia.
- 2016 Stone AC, Honap TP, Vågane Å, Herbig A, Rosenberg MS, Bos KI, Buikstra JE, and Krause J. Ancient Tuberculosis in the Americas. Plant and Animal Genomes Conference XXIV, San Diego
- 2015 Krause J, Bos K, Herbig A, Gagneux S, Buikstra J, and Stone AC. Ancient *Mycobacterium tuberculosis* genomes suggest re-adaption to pre-Columbian human populations. Society for Molecular Biology and Evolution Meetings, Vienna, Austria
- 2014 Stone AC, Harkins K, Bos K, Coscolla M, Herbig A, Gagneux S, Buikstra J, and Krause J. Mycobacterium tuberculosis: origins and evolution of a human scourge. For the symposium, "History and diversity of the human genome". Japanese Society of Human Genetics. Tokyo, Japan
- 2013 Stone AC, DNA analysis of ancient pathogens. For the symposium "Infectious disease in humans and other primates: origins, dynamics, and evolution", American Association of Physical Anthropologists meetings, Knoxville, TN
- 2013 Harkins K and Stone AC, Addressing the unresolved phylogeny of *Leishmania*: a next-gen and ancient DNA approach. For the symposium "Infectious disease in humans and other primates: origins, dynamics, and evolution", American Association of Physical Anthropologists meetings, Knoxville, TN
- 2013 Wilbur AK, Pfister LA, Stone AC, Jones-Engel L, From the mouths of monkeys: Tuberculosis among synanthropic primates, For the symposium "Infectious disease in humans and other primates: origins, dynamics, and evolution", American Association of Physical Anthropologists meetings, Knoxville, TN
- 2013 Pfister LA and Stone AC, On the ecology of leprosy: tails from phylo-genomics. For the symposium "Infectious disease in humans and other primates: origins, dynamics, and evolution", American Association of Physical Anthropologists meetings, Knoxville, TN
- 2012 Stone AC, Ancient DNA Phylomedicine, Society for Molecular Biology and Evolution satellite meeting on Phylomedicine, Tempe AZ
- 2012 Stone AC, Pathogens and Genome Evolution. Application of Genomics to Anthropological Research. Workshop sponsored by the American Association of Anthropological Genetics. San Antonio, TX.
- 2011 Panel member and presenter: Prehistoric and post-contact genetic impacts. Symposium on Population prehistory of the Andes: A cross-disciplinary conspectus. Max Planck Institute for Evolutionary Anthropology. Leipzig, Germany.

- 2010 Stone AC, Wilbur AK, Campbell T, and Buikstra JE, Technological advances in biomolecular analysis of ancient disease, For the symposium, Anthropological Genetics in the Genomic Era: Challenges, opportunities, and directions. American Association of Physical Anthropologists meetings, Albuquerque, New Mexico
- 2009 Copy number variation and human dietary adaptations from an evolutionary perspective. International Society of Nutrigenetics/Nutrigenomics meetings, Washington DC.
- 2009 Introduction: Using comparative genomics to understand human evolution. In the symposium, What makes us human? Views from the genome. American Association of Physical Anthropologists meetings, Chicago.
- 2009 Stone AC and Perry GH, Genetic perspectives on the evolution of human diet. American Association for the Advancement of Science meetings. Chicago, Illinois.
- 2007 Stone AC, Aping ourselves: insights on human origins from comparative primate genetics. Kavli Frontiers of Science Symposium, La Jolla, CA.
- 2002 Lewis CM and Stone AC, MtDNA diversity at the archaeological site of Chen Chen in Peru. Visiting Scholar Conference on Biomolecular Archaeology: Genetic Approaches to the Past, Center for Archaeological Investigations, Carbondale, IL.
- 2000 Stone AC, Ancient DNA: results from the New World, Bioroma 2000 conference, Rome, Italy
- 1999 Stone AC, Community social structure and the colonization of the New World: a view from an Illinois bluff, "Perspectives on our ancestors: Old World and New World populations II" Organic Geochemistry Symposium, Geological Society of America conference, Denver, CO.
- 1996 Stone AC and Stoneking M, MtDNA analysis of a prehistoric Native American community. Walter Fitch Symposium, The Society for Molecular Evolution and Biology Meetings, Tucson, AZ.
- 1994 Stone AC and Stoneking M, Genetic analysis of a Pre-Columbian Amerindian population. The Xth European Meetings of the Paleopathology Association, Göttingen, Germany.

Conference Presentations: Contributed papers

- 2017 Honap TP, Vågane Å, Herbig A, Rosenberg M, Buikstra JE, Bos KI, Krause J, and Stone AC. Ancient *Mycobacterium tuberculosis* complex genomes from the Americas. International Society for Evolutionary Medicine and Public Health meetings, Groningen, Netherlands.
- 2017 Ozga AT, Nockerts R, Wilson M, Gilby I, Pusey A, and Stone AC. Commensal and pathogenic microbiota and viruses from the oral cavity of deceased Gombe chimpanzees. International Society for Evolutionary Medicine and Public Health meetings, Groningen, Netherlands.
- 2017 Ozga AT, Nieves-Colón M, Nockerts R, Wilson M, Gilby I, Pusey A, and Stone AC. Chimpanzees of the past: Full mitochondrial genomes from the *Pan troglodytes schweinfurthii* skeletons of Gombe Stream National Park. American Association of Physical Anthropologists Meetings, New Orleans, LA
- 2017 Nieves-Colón M, Pestle WJ, Benn-Torres J, and Stone AC. Migration, admixture and genetic continuity in pre and post-contact Puerto Rico. American Association of Physical Anthropologists Meetings, New Orleans, LA

- 2017 Honap T, Pfister LA, and Stone AC. Genomic analyses of *Mycobacterium leprae* strains from naturally infected nonhuman primates. American Association of Physical Anthropologists Meetings, New Orleans, LA
- 2017 Housman G, Quillen E, and Stone AC Assessment of DNA Methylation Patterns in Nonhuman Primate Skeletal Tissue. American Association of Physical Anthropologists Meetings, New Orleans, LA
- 2017 Honap T, Pfister LA, and Stone AC. Non-human primate *Mycobacterium leprae* strains and their relationship to human leprosy strains. One Past Health Workshop, Ploen, Germany
- 2017 Bos KI, Vågane Å, Honap T, Herbig A, Buikstra JE, Stone AC and Krause J. Zoonotic infections of *Mycobacterium tuberculosis* in the precontact New World. One Past Health Workshop, Ploen, Germany
- 2016 Stone AC, Motti JMB, Harkins K, Garcia Laborde P, Valenzuela LO, Cuello M, Nieves-Colón M, Buikstra JE, Bravi CM, and Guichón, RA. Ancient DNA and isotope analyses from Misión Salesiana, Tierra del Fuego. American Association of Physical Anthropologists meetings, Atlanta, GA.
- 2016 Honap TP, Vagene A, Herbig A, Rosenberg M, Buikstra JE, Bos K, Krause J, and Stone AC, Genetic analyses of pre- and post-contact North American *Mycobacterium tuberculosis* complex strains. American Association of Physical Anthropologists meetings, Atlanta, GA.
- 2016 Nieves-Colón M, Pestle WJ, and Stone AC. Preliminary ancient DNA analysis suggests a complex origins scenario for pre-contact Puerto Rican populations. Society of American Archaeology meetings, Orlando, FL
- 2015 Buikstra JE, Bos K, Harkins K, Krause J, and Stone AC, Paleopathology and the history of tuberculosis: new results from ancient South America. Society for American Archaeology meetings, San Francisco, CA
- 2015 Harkins KM, Bos KI, Herbig A, Buikstra JE, Gagneux S, Krause J, and Stone AC. Genomic analysis of pre-Columbian tuberculosis from the New World. American Association of Physical Anthropologists meetings, St. Louis, MO
- 2015 Bos KI, Harkins KM, Herbig A, Coscolla M, Buikstra JE, Gagneux S, Stone AC, and Krause J. *Mycobacterium tuberculosis* genomes from the pre-Columbian New World suggest a marine route of disease transmission. Paleopathology Association Meetings, St. Louis, MO.
- 2015 Stone AC, Harkins KM, Bos KI, Coscolla M, Herbig A, Gagneux S, Buikstra J, and Krause J. *Mycobacterium tuberculosis*: origins and evolutionary history of a major pathogen. Evolutionary Medicine and Public Health conference, Tempe, AZ
- 2014 Nieves-Colón M, Pestle WJ, and Stone AC. Ancient DNA and the population history of pre-Columbian Puerto Rico. Society for Molecular Biology and Evolution meetings, San Juan, Puerto Rico.
- 2014 Bos KI, Harkins KM, Herbig A, Gagneux S, Stone AC, and Krause J. A preliminary evaluation of *Mycobacterium tuberculosis* genomes in the pre-contact New World using high throughput DNA sequencing. American Association of Physical Anthropology, Calgary, Canada.
- 2014 Harkins KM and Stone AC. Paleogenetic and paleopathological investigation of evidence for leishmaniasis in the New World. American Association of Physical Anthropology, Calgary, Canada.

- 2013 Guichon RA, Buikstra JE, Stone AC, Harkins KM, Valenzuela LO, Garcia Laborde P, Casali R, Salerno M, and Guichon R. Molecular studies for tuberculosis and stable isotope analyses in the cemetery of the Salesian Mission “Nuestra Senora de la Candelaria”, Tierra del Fuego. Paleopathology Association of South America conference, Santa Marta, Columbia.
- 2013 Malukiewicz J, Boere V, Fuzessy LF, Grativol AD, Pereira LC, De Oliveira Silva I, Ruiz-Miranda CR, Stone AC, Valenca YM, Genetic Diversity and Phylogenetics of Two Hybridizing Atlantic Forest Marmoset Species, Common Marmosets (*Callithrix jacchus*) and Black-Tufted Marmosets (*Callithrix penicillata*). American Association of Physical Anthropologists meetings, Knoxville, TN.
- 2013 Campbell TJ, Stone AC, and Ackermann RR. Investigating the emergence of tuberculosis in South Africa. American Association of Physical Anthropologists meetings, Knoxville, TN
- 2013 Gokcumen O, Iskow R, Zhu Q, Babb P, Johnson WE, Stone AC, Gilad Y, and Lee C, Genomic copy number variation within and between species is a major driver of primate evolution. American Association of Physical Anthropologists meetings, Knoxville, TN
- 2010 Wilbur AK, Harkins K, Campbell T, Buikstra JE, and Stone AC. Ancient tuberculosis before and after the Age of Exploration. International Symposium on Biomolecular Archaeology, Copenhagen
- 2010 Wilbur AK, Pfister L-A, Stone AC, and Jones-Engel L, Rapid field assessment of mycobacterial exposure in primates American Association of Physical Anthropologists meetings, Albuquerque, New Mexico
- 2008 Perry GH, Redon R, Yang F, Verrelli BC, Stone AC, Lee C, A population genetics study of copy number variation in humans and chimpanzees. Society for Molecular Biology and Evolution meetings, Barcelona, Spain.
- 2008 Pfister LA, Rosenberg MS, and Stone AC, How do we estimate bacterial mutation rates? Society for Molecular Biology and Evolution meetings, Barcelona, Spain.
- 2008 Pfister LA, Rosenberg MS, and Stone AC, Full genome comparisons of *Mycobacterium*: Insight into the origin of tuberculosis and leprosy, American Association of Physical Anthropologists meetings, Columbus, Ohio.
- 2007 Benn Torres J, Kittles R, and Stone AC, A comparative analysis of Y chromosome variability and admixture in Cape Verde, Sao Tome, and seven Anglophone Caribbean Islands. American Association of Physical Anthropologists meetings, Philadelphia, PA.
- 2007 Tito RY, Smith HF, Rubin de Celis V, Lizarraga BR, Stone AC, Alu insertion polymorphisms and mtDNA in Peruvian populations: implications for the genetic history and population structure of Peru. American Association of Physical Anthropologists meetings, Philadelphia, PA.
- 2006 Stone AC. Population history of Pan: a view from the Y chromosome, Society for Molecular Biology and Evolution meetings, Tempe, Arizona
- 2006 Perry GH, Dominy NJ, Claw K, Villanea FA, Iafrate AJ, Lee C, and Stone AC. Significance of amylase gene duplications in human and non-human primate evolution. The American Association of Physical Anthropologists meeting, Anchorage, Alaska

- 2006 Leonard ME, Buikstra JE, and Stone AC. *Mycobacterium tuberculosis* strains from the contact period in North America: Implications for the evolutionary history of TB. The American Association of Physical Anthropologists meeting, Anchorage, Alaska
- 2005 Cabana GS, Lewis CM and AC Stone, Inference of population history from DNA haplogroup frequencies using computer simulation modeling. American Association of Physical Anthropologists Meetings, Milwaukee, WI.
- 2005 Stone AC, Cabana GS, Tito R, Lopez PG, Ccahuana Quispe J, Lewis CM and B Lizarraga, Population structure and history in Peru. American Association of Physical Anthropologists Meetings, Milwaukee, WI
- 2005 Benn Torres J and AC Stone, MtDNA Diversity in Six West Indian Islands throughout the Anglophone Caribbean, American Association of Physical Anthropologists Meetings, Milwaukee, WI
- 2005 Perry GH and AC Stone, Evolution of dental formulas and tooth development genes in primates. American Association of Physical Anthropologists Meetings, Milwaukee, WI
- 2005 Stone AC, Salter LA, Perry GH, Trudeau E, and H Lin, Analysis of complete mtDNA sequences in Pan. Society of Molecular Biology and Evolution meetings, Auckland, New Zealand.
- 2005 Verrelli B, Lewis CM, and AC Stone, Contrasting evolutionary histories at human and chimpanzee G6PD and OPN1LW genes. Society of Molecular Biology and Evolution meetings, Auckland, New Zealand.
- 2004 Lewis CM and AC Stone, MtDNA diversity at the archaeological site of Chen Chen, Perú: Implication for Andean Genetic History, Society for American Archaeology meetings, Montreal, Canada.
- 2003 Stone AC, Salter LA, and Trudeau E, Analysis of complete mtDNA sequences in Pan, American Association of Physical Anthropologists Meetings, Tempe, AZ
- 2003 Wilbur AK, Feurstein J, Hurtado AM, Hill KR, and Stone AC, Variation in the vitamin D receptor and NRAMP1 loci in Aché and Avá of Paraguay: Implications for host susceptibility to tuberculosis, American Association of Physical Anthropologists Meetings, Tempe, AZ
- 2002 Stone AC, Benn J, Wilbur AK, Lin H, Lewis CM, Trudeau E, Feurstein J, and Hammer M, Chimpanzee population structure and history from Y chromosome and mtDNA data. Human Origins and Disease Conference, Cold Spring Harbor Laboratory, New York.
- 2002 Stone AC, Benn J, Wilbur AK, Lin H, Lewis CM, Trudeau E, Feurstein J, and Hammer M, Population structure and history of *Pan* from Y chromosome and mtDNA data. Society of Molecular Biology and Evolution meetings, Sorrento, Italy.
- 2002 Lewis CM, Tito R, Lizarraga B, and Stone AC, An Investigation of Genetic, Linguistic, and Geographical Distance in American Indians Using Multivariate and Phylogenetic Procedures: Contributions from Ancash, Perú and the Introduction of POML. The American Association of Physical Anthropologists, Buffalo, NY
- 2001 Stone AC, Lewis CM, Grutt J and Hammer M, *Pan troglodytes* and *Pan paniscus* diversity: results from the Y chromosome. The American Association of Physical Anthropologists, Kansas City, MO.
- 2000 Stone AC and Hammer M, Y chromosome variation in *Pan*, Human Origins Conference, Cold Spring Harbor Laboratory, New York.

- 1999 Stone AC, Bonner R and Hammer M, Y chromosome diversity in *Pan troglodytes*. The American Association of Physical Anthropologists, Columbus, OH.
- 1997 Stone AC and Stoneking M, Genetic analysis of prehistoric remains from Illinois. The 4th International Ancient DNA conference, Göttingen, Germany.
- 1997 Stone AC and Stoneking M, Native American mtDNA diversity and history: insights from a prehistoric population. Human Evolution conference at Cold Spring Harbor Laboratory.
- 1997 Krings M, Stone A, Schmitz RW, Krainitzki H, Stoneking M and Pääbo S, Neandertal mtDNA sequences. Human Evolution conference at Cold Spring Harbor Laboratory.
- 1997 Stone AC, Milner GR and Stoneking M, Organization and genetic structure of a prehistoric Oneota community. The American Association of Physical Anthropologists, St. Louis, MO.
- 1995 Stone AC and Stoneking M, Prehistoric Amerindian mitochondrial DNA variation at the Norris Farms #36 cemetery. The 3rd International Ancient DNA Conference, Oxford, England.
- 1994 Stone AC, Milner GR and Pääbo S, Sex determination of prehistoric human remains using DNA analysis. The American Association of Physical Anthropologists meeting, Denver, Colorado.
- 1993 Mitochondrial DNA analysis of the prehistoric Oneota. The 2nd International Ancient DNA Conference, Washington D.C.
- 1992 Stone AC and Stoneking M, Mitochondrial DNA analysis of a Midwestern cemetery. The American Anthropology Association meeting, San Francisco, CA.
- 1992 Mitochondrial DNA variation among the prehistoric Oneota. The American Association of Physical Anthropologists meetings, Las Vegas, NV.
- 1991 Stone AC and Stoneking M, Ancient DNA from a prehistoric Amerindian cemetery. The 1st International Ancient DNA Conference, Nottingham, England
- 1991 DNA from a prehistoric Oneota cemetery, Genetics Retreat at Pymatuning, University of Pittsburgh, PA.

Conference Presentations: Posters

- 2017 Ozga AT, Nieves-Colón MA, and Stone AC. Recovery of exomes and mitochondrial genomes from dental calculus. International Society for Forensic Genetics Conference, Seoul, Korea.
- 2017 Crane A, Goebel M, Stone AC, and Varsani A. Towards identifying *Mycobacterium pinnipedii* and viruses associated with Antarctic fur seals and Weddell seals. Society for Molecular Biology and Evolution meetings, Austin, TX.
- 2017 Honap TP, Vågane Å, Herbig A, Rosenberg MS, Buikstra JE, Box KI, Krause J, and Stone AC. Genomic analyses of ancient *Mycobacterium tuberculosis* complex strains from the Americas. Society for Molecular Biology and Evolution meetings, Austin, TX.
- 2017 Housman G, Quillen EE, and Stone AC. An evolutionary understanding of DNA methylation patterns in nonhuman primate skeletal tissues. Society for Molecular Biology and Evolution meetings, Austin, TX.

- 2017 Nieves-Colón M, Pestle WJ, Benn-Torres J, Bustamante CD, and Stone AC. 7,000 years of change: migration and admixture in the population history of the Caribbean. Society for Molecular Biology and Evolution meetings, Austin, TX.
- 2017 Ozga AT, Nieves-Colón M, Webster TH, Wilson Sayres M, Nockerts R, Wilson ML, Gilby IC, Pusey A, and Stone AC. Short term reduction in *Pan troglodytes schweinfurthii* genetic diversity at Gombe National Park. Society for Molecular Biology and Evolution meetings, Austin, TX.
- 2017 Flansburg C, Balentine CM, Grieger RW, Lund J, Ciambella M, White D, Coris E, Gonzalez E, Stone AC, and Madrigal L. Differential symptomology of sickle cell trait football players is associated with SNPs at the beta-globin gene cluster, HBS1L-MYB intergenic interval, and BCL11A genes. American Association of Physical Anthropologists meetings, New Orleans, LA.
- 2017 Honap T, Vågene Å, Herbig A, Buikstra JE, Bos KI, Krause J and Stone AC. Genomic analyses of ancient Mycobacterium tuberculosis complex strains from the Americas. Plant and Animal Genomes Conference XXV, San Diego.
- 2016 Stone AC, Ozga AT, Nieves-Colón M, Nockerts R, Webster T, Wilson-Sayres M, Wilson M, Gilby I, Pusey A, and Marean C. The preservation of DNA from bone, dentin, and calculus from Gombe National Park and Pinnacle Point in Africa. International Society of Biomolecular Archaeology VII meetings, Oxford, UK
- 2016 Stone AC, Nieves-Colón M, Ozga AT, Till CE, Fowler KF, Nockerts R, Wilson M, Gilby I, and Pusey A. (2016) The Landscape of mitochondrial genetic diversity in chimpanzees from Gombe National Park and across the genus Pan. Society of Molecular Biology and Evolution meetings, Gold Coast, Australia.
- 2016 Nieves-Colón M, Till CE, Fowler KF, Stone AC. Spatial analysis of mitochondrial genetic diversity across the genus Pan. American Association of Physical Anthropologists meetings, Atlanta, GA.
- 2016 Ozga AT, Nieves-Colón M, Honap T, Sankaranarayanan K, Hofman C, Milner G, Lewis CM, Stone AC, and Warinner C. Ancient dental calculus as a reservoir of whole genome mitogenomes. American Association of Physical Anthropologists meetings, Atlanta, GA.
- 2016 Balentine CM, Grieger RW, Lund J, Ciambella M, Flansburg C, Madrigal L, and Stone AC. Genetic factors influencing the phenotypic variation leading to clinical complaints in sickle cell trait athletes. American Association of Physical Anthropologists meetings, Atlanta, GA.
- 2015 Malukiewicz J, Boere V, de Oliveira e Silva I, and Stone AC. Application of RADSeq to the Study of Genomic Diversity and Divergence in Eastern Brazilian Marmosets. European Society for Evolutionary Biology meetings, Lausanne, Switzerland.
- 2015 Honap TP, Pfister L, Erkenswick G, Watsa M, and Stone AC. Analysis of a nonhuman primate *M. leprae* strain: implications for zoonotic transmission of mycobacterial pathogens. Society for Molecular Biology and Evolution meetings, Vienna, Austria.
- 2015 Harkins K, Schwartz R, Fehren-Schmitz L, Cartwright R, and Stone AC. Designing molecular diagnostics from shotgun sequencing data: a case study using Leishmania. Society for Molecular Biology and Evolution meetings, Vienna, Austria.

- 2015 Nieves-Colón M, Carpenter M, Adams AF, Pestle WJ, Bustamante CD, and Stone AC. Preliminary insights into the genetic diversity of pre-contact Puerto Rican populations. Society for Molecular Biology and Evolution meetings, Vienna, Austria.
- 2015 Nieves-Colón M, Ozga A, Honap TP, Pestle WJ, Warinner C. and Stone AC. Comparison of aDNA yields from calculus and tooth roots in pre-Columbian skeletal remains. American Association of Physical Anthropologists meetings, St. Louis, MO
- 2015 Housman G, Havill L, and Stone AC. Skeletal epigenetics in the baboon: Genome-wide DNA methylation variation in baboon skeletal tissues. American Association of Physical Anthropologists meetings, St. Louis, MO.
- 2015 Honap TP, Erkenwick G, Housman G, Malukiewicz J, Boere V, Machado Pereira LC, Gravitol AD, de Oliveira Silva I, Ruiz-Miranda CC, Erkenwick-Watsa M, and Stone AC. Investigating the presence of mycobacterial pathogens in New World primates. American Association of Physical Anthropologists meetings, St. Louis MO
- 2014 Grieger R, Lund J, Ciambella M, Flansburg C, Madrigal L, and Stone AC. Why do some athletes with sickle cell trait suffer from heat illness? American Society of Human Genetics meetings, San Diego
- 2014 Krause J, Bos KI, Herbig A, Harkins KM, Buikstra JE, Gagneux S, and Stone AC. Pre-Columbian mycobacterial genomes reveals seals as a source of New World human tuberculosis. Society for Molecular Biology and Evolution meetings, San Juan, Puerto Rico.
- 2014 Housman G, Boere V, Gravitol AD, Malukiewicz J, Machado Pereira LC, Pfister LA, de Oliveira Silva I, Ruiz-Miranda CC, Truman R, and Stone AC. Validation of qPCR Methods for the Detection of *Mycobacterium* in New World Animal Reservoirs. American Association of Physical Anthropologists meetings, Calgary, Canada.
- 2014 Nieves-Colón M, Pestle WJ, and Stone AC. Ancient DNA analysis of human skeletal remains from pre-Columbian Puerto Rico. American Association of Physical Anthropologists meetings, Calgary, Canada.
- 2014 Honap T, Pfister LA, and Stone AC. The origins and evolution of *M. leprae*. American Association of Physical Anthropologists meetings, Calgary, Canada.
- 2013 Harkins KM, Schwartz RS, Stone AC, and Cartwright R. Phylogenomic investigation of the origins and evolutionary history of Leishmania. Society for Molecular Biology and Evolution Meetings, Chicago, IL
- 2013 Housman G, Boere V, Gravitol AD, Malukiewicz J, Machado Pereira L, De Oliveira Silva I. Ruiz-Miranda CC, and Stone AC, Diagnosing Mycobacterium in primates. American Association of Physical Anthropologists meeting, Knoxville, TN
- 2013 Nieves-Colon M, Harkins KM, and Stone AC, Obstacles and results of screening ancient skeletal samples for *Mycobacterium tuberculosis* with real-time PCR. American Association of Physical Anthropologists meeting, Knoxville, TN
- 2013 Flansburg C, Godfrey D, Madrigal L, Gonzalez E, Stone AC, Is sickle-cell trait as benign as is usually assumed? American Association of Physical Anthropologists meeting, Knoxville, TN
- 2012 Pfister LA and Stone AC, On the origin of leprosy: a genomics perspective. Society for Molecular Biology and Evolution, Dublin, Ireland

- 2012 Stover D, Stone AC, and Verrelli BC, Recent and contrasting evolutionary change in human and chimpanzee bone phenotypes: primate population genetics of type I collagen (*COL1A1*). Society for Molecular Biology and Evolution, Dublin, Ireland
- 2012 Harkins KM, Pfister LA, Rubel M, and Stone AC, Optimizing library preparation for next-generation sequencing using ancient TB. American Association of Physical Anthropologists meetings, Portland, OR.
- 2012 Malukiewicz J, Grativol AD, Ruiz-Miranda CC, and Stone AC. Almost carioca: marmoset hybridization in Rio de Janeiro State. American Association of Physical Anthropologists meetings, Portland, OR.
- 2011 Banovich NE, Ritzman TB, and Stone AC. Genetic approaches to understanding primate craniofacial morphology. Society for Molecular Biology and Evolution meetings, Kyoto, Japan.
- 2011 Banovich NE, Ritzman TB, and Stone AC. The Runx2 gene is an important determinant of facial morphology in primates. American Association of Physical Anthropologists meetings, Minneapolis, MN.
- 2011 Stone AC, Pfister LA, Harkins K, Campbell T, Buikstra JE, and Wilbur AK, Next generation sequencing enrichment strategies for ancient tuberculosis: pitfalls and results. American Association of Physical Anthropologists meetings, Minneapolis.
- 2010 Wilbur AK, Harkins K, Campbell TS, Rubel MA, Buikstra JE, and Stone AC, DNA analyses of ancient tuberculosis. Society of Molecular Biology and Evolution meetings, Lyon, France.
- 2010 Benn Torres J, Stone AC, Hooker S, and Kittles R, The genetic legacy of indigenous Caribbean peoples: evidence from autosomal and mitochondrial data. American Association of Physical Anthropologists meetings, Albuquerque, New Mexico
- 2009 Pfister LA, Nash LT, Rosenberg MS, and Stone AC, Influence of the Androgen Receptor Variation in Primate and Carnivore Female Social Dominance. American Association of Physical Anthropologists meetings, Chicago, IL
- 2008 Wilbur AK, Campbell TS, Pfister LA, Buikstra JE, and Stone AC, Mycobacterial Disease in the Pre-Columbian New and Old Worlds: A Phylogeographic Analysis. Society for Molecular Biology and Evolution meetings, Barcelona, Spain.
- 2008 Wilbur AK, Campbell TS, Buikstra JE, and Stone AC, Molecular diagnosis of ancient tuberculosis: Is it really necessary to screen for host DNA? American Association of Physical Anthropologists meetings, Columbus, Ohio.
- 2007 Pfister LA, Rosenberg MS, and Stone AC, Full genome comparisons of Mycobacterium: Insight into the origin of tuberculosis. Society of Molecular Biology and Evolution, Halifax, Canada
- 2007 Smith SE, Cabana GS, Rubin de Celis V, Contreras M, and Stone AC, Genetic Diversity of Native Peruvian Populations: mtDNA Analyses of Two Native Amazonian Populations. American Association of Physical Anthropologists, Philadelphia, PA.
- 2006 Perry G, Tchinda J, McGrath S, Tyler-Smith C, Scherer S, Eichler E, Stone A, and Lee C. Copy number variation hotspots in chimpanzees and humans. 11th International Congress of Human Genetics. Brisbane, Australia.

- 2006 Durand D, Maranville JC, Cabana GS, Hurtado AM, Hill K and Stone AC. Population history of the Awa of Paraguay: Insights from Y-chromosome, mitochondrial, and autosomal Alu markers. Society for Molecular Biology and Evolution meetings, Tempe, Arizona.
- 2006 Tito RY, Smith HF, Castillo L, Congrains A, Rubin de Celis Massa V, Lizarraga B, Stone AC. Alu insertion polymorphisms and mtDNA in Peruvian populations: implications for the genetic history and population structure of Peru. Society for Molecular Biology and Evolution meetings, Tempe, Arizona
- 2006 Claw KG, Perry GH, Dominy NJ, and Stone AC. Evolution of the amylase gene family in primates. Soc. for Molecular Biology and Evolution meetings, Tempe, AZ
- 2006 Claw KG, Perry GH, Dominy NJ, and Stone AC. Evolution of the amylase gene family in primates. Society for the Advancement of Chicanos and Native Americans in Science, Tampa, Florida (prizewinner in the biological sciences category)
- 2006 Cabana GS, López PW, Cáceres A, Lizárraga B, and Stone AC. South American Population Genetic Structure and History: The Y Perspective. The American Association of Physical Anthropologists meeting, Anchorage, Alaska
- 2006 Claw KG, Lin H, and Stone AC. Chimpanzee mitochondrial DNA diversity. The American Association of Physical Anthropologists meeting, Anchorage, Alaska
- 2005 Wilbur A, Hurtado AM, Hill KR, and Stone AC, Variation in the MBL2 gene in native South Americans and its relationship to tuberculosis prevalence. American Association of Human Genetics meetings, Salt Lake City, Utah
- 2004 Benn Torres J, and Stone AC, Genetic Diversity in an urban population in West Africa: a preliminary analysis. American Association of Human Genetics meetings, Toronto, Canada
- 2004 Wilbur A, Salter L, Hurtado AM, Hill KR, and Stone AC, Native South American Genetic Variation and Its Relationship to Tuberculosis Prevalence: The Vitamin D Receptor and SLC11A, American Association of Human Genetics meetings, Toronto, Canada
- 2004 Clark VJ, Vander Molen J, Hammond M, Stone AC, and Di Rienzo A, Haplotype structure and recombination in *CAPN10*, a diabetes candidate gene, American Association of Human Genetics meetings, Toronto, Canada
- 2003 Lin HM, and Stone AC, Ancient DNA study of the San-Pao-Chu site, Tainan, Taiwan, American Association of Physical Anthropologists Meetings, Tempe, AZ
- 2001 Wilbur AK, Fuerstein JR, Hurtado AM and Stone AC, Involvement of vitamin D receptor and HLA loci in host resistance/susceptibility to tuberculosis in the Ache of Paraguay. The American Society of Human Genetics, San Diego, CA.
- 2001 Wilbur AK, Hurtado AM and Stone AC, Involvement of HLA loci in host resistance/susceptibility to tuberculosis in the Ache, a Native American population from Paraguay. The American Association of Physical Anthropologists, Kansas City, MO.
- 2001 Benn J, Smith J and Stone A, Y-chromosome STR analysis in *Pan troglodytes*. The American Association of Physical Anthropologists, Kansas City MO.
- 2000 Stone AC, Bonner MR, Lewis CM, and Hammer M, What subspecies are they? Mitochondrial DNA and Y chromosome diversity in captive *Pan troglodytes*. The American Association of Physical Anthropologists meeting, San Antonio, TX.

- 1999 Bonner MR, Stone AC, and Hammer M, High throughput genome screening with RF-DHPLC. Association of Biomolecular Resource Facilities meeting, Durham, NC
- 1998 Bonner MR, Stone AC, Taylor PD, and Hammer M, Increasing the throughput of DHPLC for detecting mutations in DNA. The American Society of Human Genetics Meetings, Denver, CO.
- 1998 Stone AC, Bonner MR, Ostrer H, and Hammer M, Higher Y chromosome diversity in chimpanzees compared to humans. Genes, Fossils and Human Behavior conference at the Newton Institute, Cambridge University
- 1998 Stone AC, Bonner R, Ostrer H and Hammer M, Y chromosome variation in *Pan troglodytes*. Society for Molecular Biology and Evolution meetings, Vancouver
- 1998 Stone AC, Bonner R, Ostrer H and Hammer M, Y chromosome variation in *Pan*. The American Association of Physical Anthropologists meeting, Salt Lake City
- 1996 Stone AC, Genetic analysis of a prehistoric Native American population. The American Association of Physical Anthropologists meeting, Durham, NC.
- 1996 Lorente JA, Lorente M, Stone AC, Alvarez JC, Stoneking M, Budowle B, Wilson MR Extraction and amplification strategies of ancient DNA from the royal bones of Queen Blanca de Navarra and the Prince of Viana. The Academy of Forensic Sciences meetings. Nashville, TN
- 1992 Stone AC and Stoneking M, Mitochondrial DNA analysis of a prehistoric Native American Community. International Conference on Molecular Evolution, Pennsylvania State University, PA

Public Outreach

- 2017 Ancient DNA and human origins. Salon of the Senses, Paradise Valley, AZ
- 2016 Co-organizer with Richard E. Green of the symposium, 'Ancient DNA and human evolution' at CARTA at the University of California, San Diego.
- 2016 The Origins of Tuberculosis, (research feature) episode 12, Origins Stories, the Leakey Foundation podcast.
- 2016 Genomic/genetics content for Mammal March Madness 2016
- 2016 Tracking a killer: the origins and evolution of tuberculosis, Houston Museum of Natural Science, Houston, TX
- 2016 Ebola Evolving. Blog post for the Center of Evolution and Medicine. <https://evmed.asu.edu/blog/ebola-evolving>
- 2015 Jurassic World panel at Phoenix Comicon
- 2010 Who are you calling Neanderthal? Tracing our ancient ancestors. Science Café with Dr. William Kimbel at the Arizona Science Center.
- 2007 Understanding past populations using ancient DNA: An Illinois case study. Illinois State Museum.
- 2001 Genetic perspectives on the peopling of the Americas, Anthropology symposium, "First Americans: peopling of the New World", Houston Museum of Natural Science
- 2001 Neandertal DNA and modern human origins, The Albuquerque Archaeological Society.
- 2000 Ancient DNA and the Peopling of the Americas, Houston Museum of Natural Science, Houston, TX

- 1999 Bones, genes and the construction of race, “Kennewick Man on Trial” Lecture series, Burke Museum of Natural History and Culture, Seattle, WA
- 1997 Extremely old. Meet the Scientist Series, Columbus Center, the National Research Center for Marine Biotechnology Research and Education, Baltimore, Md.

Service at ASU

- 2016- Associate Director, Center for Evolution & Medicine, ASU.
- 2015- Affiliated faculty, Institute of Human Origins, ASU
- 2014- Core faculty and executive committee, Center for Evolution & Medicine, ASU
- 2014-2015 Search committee member, SHESC
- 2014-2016 Director, Center for Bioarchaeological Research, SHESC
- 2014-2015 Chair, Search committee, SHESC
- 2012-2014 Evolutionary Anthropology approach head, member of the executive and graduate Committees
- 2012-2013 Search committee, SHESC
- 2011 Physical Anthropology approach head, member of the executive and graduate committees
- 2010 chair, search committee, SHESC
- 2009-2011 Graduate Director, SHESC
- 2008-2010 President of the ASU chapter of Sigma Xi, the National Scientific Research Society
- 2007-2008 President-elect of the ASU chapter of Sigma Xi, the National Scientific Research Society
- 2007-2009 member, biomedical institutional review board (IRB).
- 2005-2008 member, committee of review, College of Liberal Arts and Sciences
- 2005-2008 Physical Anthropology subdiscipline head, member of the executive and graduate committees
- 2005-2006 Search committee member, SHESC
- 2004-2006 Professional conduct representative, Department of Anthropology
- 2004-2005 Search committee member, Department of Anthropology
- 2004-2005 Personnel committee member, Department of Anthropology
- 2004-2005 Undergraduate committee member, Department of Anthropology
- 2004-2005 Faculty advisor to the undergraduate Anthropology Club
- 2004-2005 Search committee member, Department of Anthropology
- 2004-2005 Colloquia organizer, Department of Anthropology
- 2003-2005 Affirmative Action representative
- 2003-2004 Search committee member, Biodesign Institute and School of Life Sciences.

Service outside ASU

- 2015- Member of the Scientific Executive Committee of the Leakey Foundation
- 2015- Member of the executive committee of the American Association of Physical Anthropologists.
- 2015-2018 Member of the Electorate Nominating Committee of the Section on Anthropology for the American Association for the Advancement of Science.
- 2012- Senior editor, and member of the editorial board of Molecular Biology and Evolution
- 2013-2014 President, American Association of Anthropological Geneticists

- 2012-2013 Vice President, American Association of Anthropological Geneticists
 2011 ad-hoc member NIH Genetic Variation and Evolution study section
 2010- Associate editor and member of the editorial board of the International Journal of Paleopathology
 2009-2012 Member of the Electorate Nominating Committee of the Section on Anthropology for the American Association for the Advancement of Science.
 2008-2010 Review panel member for the Wenner-Gren Foundation for Anthropological Research
 2005-2012 Associate editor and member of the editorial board of Molecular Biology and Evolution
 2005-2009 Associate editor and member of the editorial board of the American Journal of Physical Anthropology
 2005-2006 Society of Molecular Biology and Evolution scientific program committee
 2005 ad-hoc member NIH Genetic Variation and Evolution study section
 2004-2006 American Association of Physical Anthropologists scientific program committee
 2004-2006 Associate editor and member of the editorial board of the Journal of Human Evolution.
 2003-2005 Advisory group member for the American Association of Physical Anthropologists Newsletter
 2003 Review panel for Human Origins (HOMINID): Moving in New Directions, National Science Foundation.
 2002-2003 Maxwell Museum Association Board Member
 1999-2003 Graduate Committee Member and graduate advisor for the biological anthropology subfield, Department of Anthropology, University of New Mexico
 2002 Planning Workshop on Relating Genetic Variation to Health and Disease, National Institutes of Health, August 8-9, Bethesda, MD.
 2002 Beyond the beginning: The future of genomics II planning workshop, National Institutes of Health, Nov. 18-20, Airlie, VA.
 2000 Primate Evolution Biomaterials Resource Planning Committee, National Science Foundation, Washington D.C.
 1999 Undergraduate Committee Member and undergraduate advisor for the biological anthropology subfield, Department of Anthropology, University of New Mexico

Archaeological Field Experience

- 1991 2 months. Member of archaeological field crew. San Luis de Talimali Mission. Director: Clark Larsen
 1990 3 months. Member of archaeological field crew for Complete Archaeological Services Associates. Field Crew Chief: Roger Walkenhorst.
 1989 2 months. Member of archaeological field crew, Dunlap-Salazar site, Lincoln, NM. Director: Dr. Tom Rocek.
 1988 5 weeks. Student on archaeological field school, Copan, Honduras. Director: Dr. William Fash.
 1988 1 month. Volunteer for the park archaeologist. Grand Canyon National Park, AZ.

Postdoctoral Fellows

Graciela Cabana (2003-2006, currently assistant professor, U. Tennessee), Andrew Ozga (2015-), Alicia Wilbur (2008-2009)

Current Graduate Students (committee chair)

Kelly Blevins (SHESC), Adele Crane (SOLS), Rebecca Siford (SHESC), Angela Taravella (SOLS), Stevie Winingear (SHESC)

Current Graduate Students (committee member)

Maria Spyrou (University of Tuebingen)

Past Graduate Students (committee chair) and their current positions

Jada Benn (Ph.D. 2006, UNM)	Assistant professor, Vanderbilt University
Kelly Harkins (Ph.D. 2014, ASU)	Postdoctoral fellow, U. California, Santa Cruz
Tanvi Honap (Ph.D. 2017, SOLS, ASU)	Research professor, U. Oklahoma
Genevieve Housman (Ph.D. 2017, ASU)	Postdoctoral fellow, U. Chicago
Mary Leonard (MA 2006, ASU)	PhD student in nuclear chemistry, Oregon State
Cecil Lewis (Ph.D. 2005, UNM)	Associate professor, University of Oklahoma
Hsiuman Lin (Ph.D. 2009, UNM)	Research scientist, National Museum of Taiwan
Joanna Malukiewicz (Ph.D. 2014, ASU)	Postdoctoral fellow, ASU and Federal University of Vicosa, Brazil
Maria Nieves Colon (Ph.D. 2017, ASU)	NSF Postdoctoral fellow, ASU and LANGBIO
George Perry (Ph.D. 2008, ASU)	Assistant Professor, Pennsylvania State University
Jamie Smith (MA 2002, UNM)	
Heather Smith (Ph.D. 2008, ASU)	Associate professor, Midwestern University
Amanda Van Steelandt (2014, ASU)	Associate Health Scientist, Ebola Response Team, Centers for Disease Control and Prevention
Alicia Wilbur (Ph.D. 2005, UNM)	Researcher and accountant, Henderson, NV

Past Graduate Students (committee member)

Kirsten Bos (Ph.D. 2011, McMaster University), E. Ann Carson (Ph.D. 2006, UNM), Anne Fischer (Ph.D. 2006, Max Planck Institute for Evolutionary Anthropology), Katarzyna Miska (Ph.D. 2002, UNM), Daryn Stover (Ph.D. 2010, ASU)

Membership in Professional Organizations

American Association of Physical Anthropologists, American Association for the Advancement of Science, Sigma Xi, The Scientific Research Society, Society for Molecular Biology and Evolution, The American Society of Human Genetics, The American Association of Anthropological Genetics.