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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
2018-2019	Sabbatical affiliation, School of Archaeology, University of Oxford
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, Department of Anthropology, Pennsylvania State University

Professional Interests

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

Academic Honors and Awards

2022	John Simon Guggenheim Memorial Foundation fellowship
2018	Outstanding Alumni Award, Department of Anthropology, Pennsylvania State University
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 Maximillian 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

2022-2024 Evaluating community perceptions and ethical considerations in genetic research in small scale populations. NIH R21HG012250 (PI)

2022-2025 Osmore Mobility and Infectious Disease, Grant from the National Science Foundation, BCS-2217953, (Co-PI)

2021-2024 CHOMPER: Calculus and Hominid Oral Metagenomes for Pathogen Evolution Research. Grant from the National Science Foundation, BCS-2045308, (Co-PI)

2020-2024 Optimizing the analysis of DNA from burned bone using ancient DNA techniques. National Institute of Justice 2019-DU-BX-0044 (PI)

2019-2022 Testing new methods for degraded DNA recovery and next-generation sequencing. National Institute of Justice, 2018-DU-BX-0218 (PI)

2018-2021 EAGER: Collaborative Research: Proteomic Detection of Amelogenin Proteins for Biological Profiles, BCS-1825055 (Co-PI)

2017-2019 DNA from Burned Bone: The application of ancient DNA methods to forensic DNA recovery. National Institute of Justice, 2016-DN-BX-0158 (PI)

2015-2019 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 (U. 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.

Dissertation Grants (mentored)

2022-2025 Doctoral Dissertation Research: Ancient Genomics and the Molecular Mechanisms of Human Tolerance to Arsenic, NSF BCS-2142160 (PI, Co-PI Mario Apata)

2020-2021 Doctoral Dissertation Research: The Zoonotic Origins of Tuberculosis Infection in the Pre-contact Americas. NSF, BCS-1945812 (PI, Co-PI Kelly Blevins)

2016-2018 Doctoral Dissertation Research: DNA Analysis as a tool for understanding population movement. NSF BCS-1622479 (PI, Co-PI Maria Nieves-Colón)

2012-2013 Doctoral Dissertation Improvement: The origins and dispersal of ancient leishmaniasis in the New World: A bioarchaeological and molecular approach, NSF BCS-1232582 (PI, Co-PI Kelly Harkins)

2010-2011 Doctoral Dissertation Improvement Grant: Hybridization and Speciation in Common Marmosets (*C. jacchus*) and Black-Tufted Marmosets (*C. penicillata)*, NSF BCS-1061508 (PI, Co-PI Joanna Malukiewicz)

2006-2007 Dissertation Improvement Grant: A comparison of human population distances using genetic and craniometric data. NSF BCS-0622570 (PI, Co-PI Heather Smith).

2004-2005 Doctoral Dissertation Research Grant: Doctoral Dissertation Research: Genetic Adaptation to Disease: Tuberculosis Susceptibility in Native South Americans. NSF BCS-0334849 (PI, Co-PI Alicia Wilbur).

2003-2004 Doctoral Dissertation Research Improvement Grant: The biological evidence from the San Pau Chu site and its implication for Austronesian migrations. NSF BCS-0321795. (PI, Co-PI Hsiuman Lin)

2002-2003 Dissertation Improvement Grant: A Genetic Study of Prehistoric Chen Chen - Implications for the Genetic Relationships of Tiwanaku Peoples and the Peopling of South America. NSF BCS-0221962 (PI, Co-PI Cecil Lewis).

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.

Orchid ID: 0000-0001-8021-8314

Publications

2024 Regney M, Kraberger S, Custer JM, Crane AE, Shero MR, Beltran RS, Kirkham AL, Van Doorslaer K, Stone AC, Goebel ME, Burns JM and Varsani A. Diverse papillomavirus identified from Antarctic fur seals, leopard seals and Weddell seals from the Antarctic. Virology, Jun;594:110064, doi: 10.1016/j.virol.2024.110064

2024 Emery MV, Bolhofner K, Sprake L, Ghafoor S, Versoza CJ, Rawl EM, Winingear S, Buikstra JE, Loreille O, Fulginiti LG, and Stone AC. Targeted enrichment of whole-genome SNPs from highly burned skeletal remains. Journal of Forensic Sciences, Feb. 28, doi: 10.1111/1556-4029.15482

2023 Russo MG, Arencibia V, Emery M, Bettera Marcat G, Seldes V, Mercolli P, Soria S, Maldonado L, Kamenetzky L, Avena S, Dejean C, and Stone AC. Ancient mitochondrial genome diversity in South America: contributions from Quebrada del Toro, Northwestern Argentina. American Journal of Biological Anthropology 181(4):597-610. doi: 10.1002/ajpa.24795.

2023 Lewis CM, Akinyi MY, DeWitte SN and Stone AC, Ancient Pathogens Provide a Window onto Health and Well-Being (Perspective), Proceedings of the National Academy of Sciences, USA 120(4):e2209476119. doi: 10.1073/pnas.2209476119.

2022 Taravella Oill AM, Handley C, Howell EK, Stone AC, Mathew S and Wilson MA. Genomic analysis reveals geography rather than culture as the predominant factor shaping genetic variation in northern Kenyan human populations. American Journal of Biological Anthropology 178(3):488-503. doi: 10.1002/ajpa.24521.

2022 Dolan SG, Ozga AT, Laumbach KW, Krigbaum J, Manin A, Schwartz CW, Stone AC, and Knudson KJ. Understanding turkey management in the Mimbres Valley of Southwestern New Mexico using ancient mitochondrial DNA and isotopes. American Antiquity 1-21 doi:10.1017/aaq.2022.81

2022 Buikstra JE; DeWitte S, Agarwal S, Baker B, Bartelink E, Berger E, Blevins K, Bolhofner K, Boutin A, Brickley M, Buzon M, de la Cova C, Goldstein L, Grauer A, Gregoricka L, Halcrow S, Hall S, Hillson S, Kakaliouris A, Klaus H, Knudson K, Knusel C, Larsen C, Martin D, Milner G, Novak M, Nystrom K, Pacheco-Fores S, Prowse T, Robbins Schug G, Roberts C, Rothwell J, Santos AL, Stojanowski C, Stone AC, Stull K, Temple D, Torres C, Toyne JM, Tung T, Ullinger J, Wiltschke-Schrotta K, and Zakrzewski S. 21st Century Bioarchaeology: Taking Stock and Moving Forward. Yearbook of Biological Anthropology 178(S74):54-114, doi.org/10.1002/ajpa.24494.

2022 Caro-Consuegra, R, Nieves-Colón MA, Rawls E, Rubin-de-Celis V, Lizárraga B, Vidaurre T, Sandoval K, Fejerman L, Stone AC, Moreno-Estrada A, Bosch E, Uncovering signals of positive selection in Peruvian populations from three ecological regions. Molecular Biology and Evolution 39(8):msac158 doi: 10.1093/molbev/msac158

2022 Malukiewicz J, Cartwright RA, Dergam JA, Igayara CS, Kessler SE, Moreira SB, Nash LT, Nicola PA, Pereira LCM, Pissinati A, Ruiz-Miranda CR, Ozga AT, Quirino AA, Roos C, Silva DL, Stone AC, and Grativol AD. The gut microbiome of exudivorous marmosets in the wild and captivity. Scientific Reports 12(1):5049, doi: 10.1038/s41598-022-08797-7

2022 Vågene, ÅJ, Honap TP, Harkins KM, Rosenberg MS, Griffen K, Cárdenas-Arroyo F, Leguizamón LP, Arnett J, Buikstra JE, Herbig A, Krause J, Stone AC, and Bos KI, Geographically dispersed zoonotic tuberculosis in pre-contact New World human populations. Nature Communications 13: 1195 doi.org/10.1038/s41467-022-28562-8

2022 Stover DA, Housman G, Stone AC, Rosenberg MS, and Verrelli BC. Evolutionary Genetic Signatures of Selection on Bone-Related Variation within Human and Chimpanzee Populations. Genes *13*(2), 183; https://doi.org/10.3390/genes13020183

2022 Emery MV, Bolhofner K, Ghafoor S, Winingear S, Buikstra JE, Fulginiti LC, and Stone AC. Whole mitochondrial genomes assembled from thermally altered forensic bones and teeth. Forensic Science International: Genetics 102610, doi: 10.1016/j.fsigen.2021.102610

2021 Urban C, Blom AA, Pfrengle S, Walker-Meikle K, Stone AC, Inskip SA, Schuenemann VJ, One Health approaches to trace *Mycobacterium leprae's* zoonotic potential through time. Frontiers in Microbiology 12:762263, doi.org/10.3389/fmicb.2021.762263

2021 Malukiewicz J, Cartwright RA, Dergam JA, Igayara CS, Nicola PA, Pereira LCM, Ruiz-Miranda CR, Stone AC, Silva DL, Rodrigues de Silva FdF, Varsani A, Walter L, Wilson MA, Zinner D, and Roos C. Genomic skimming and nanopore sequencing uncover cryptic hybridization in one of world's most threatened primates. Scientific Reports 11(1):17279. doi: 10.1038/s41598-021-96404-6

2021 Malukiewicz J, Cartwright RA, Curi NHA, Dergam JA, Igayara CS, Moreira SB, Molina CV, Nicola PA, Noll A, Passamani M, Pereira LCM, Pissinati A, Ruiz-Miranda CR, Silva DL, Stone AC, Zinner D, and Roos C. Mitogenomic phylogeny of Callithrix with a special focus on human transferred taxa. BMC Genomics 22:239, doi.org/10.1186/s12864-021-07533-1

2021 Houseman G, Quillen EE, and Stone AC. An evolutionary perspective of DNA methylation patterns in skeletal tissues using baboon model of osteoarthritis. Journal of Orthopaedic Research 39(10):2260-2269, https://doi.org/10.1002/jor.24957

2021 Hinde K, Amorim CEG, Brokaw AF, Burt N, Casillas M, Chen A, Chestnut T, Connors PK, Dasari M, Dietrick J, Ditelberg CF, Drew J, Durgavich L, Easterling B, Henning C, Hilborn A, Karlsson EK, Kissel M, Kobylecky J, Krell J, Lee DN, Lesciotto KM, Lewton KL, Light JE, Martin J, Murphy A, Nickley W, Núñez-de la Mora A, Pellicer O, Pellicer V, Perry AM, Schuttler SG, Stone AC, Tanis B, Weber J, Wilson M, Willcocks E, Anderson CN. March Mammal Madness and the Power of Narrative in Science Outreach. Elife. 2021 Feb 22;10:e65066. doi:10.7554/eLife.65066.

2021 Orlando L, Allaby R, Skoglund P, Der Sarkissian C, Stockhammer PW, Avila-Arcos MC, Fu Q, Krause J, Willerslev E, Stone AC, Warinner C. Ancient DNA Analyses, Nature Reviews Methods Primers 1:14 doi.org/10.1038/s43586-020-00011

2021 Perri AR, Mitchell KJ, Mouton A, Alvarez Carretero S, Hulme-Beaman A, Haile J, Jamieson A, Meachen J, Lin AT, Schubert BW, Ameen C, Bover P, Brace S, Carmagnini A, Caroe C, Samaniego Castruita JA, Chatters JC, Dobney K, Dos Reis M, Evin A, Gaubert P, Gopalakrishnan S, Gower G, Heinger H, Helgen K, Kapp J, Linderholm A, Ozga AT, Presslee S, Salis A, Saremi NF, Shew C, Skerry K, Thompson M, Collins MJ, Sinding M-HS, Gilbert MTP, Stone AC, Shapiro B, Van Valkenburgh B, Wayne RK, Larson G, Cooper A and Frantz LAF. Dire wolves were the last of an ancient New World canid lineage. Nature 591(7848):87-91 doi: 10.1038/s41586-020-03082-x

2021 Ozga AT, Webster TH, Gilby IC, Wilson MA, Nockerts RS, Wilson ML, Li Y, Hahn BH, and Stone AC. Urine as a high-quality source of host genomic DNA from wild Populations. Molecular Ecology Resources Jan;21(1):170-182. doi: 10.1111/1755-0998

2021 Morales-Arce AY, Sabin SJ, Stone AC, and Jensen JD. Population genomics of within-host Mycobacterium tuberculois. Heredity 126(1):1-9. (epub in 2020) doi: 10.1038/s41437-020-00377-7

2020 Stone AC, Lewis CM, and Schuenemann VJ. Insights into health and disease from ancient biomolecules. Philosophical Transactions of the Royal Society, series B, 375(1812):20190568. doi: 10.1098/rstb.2019.0568.

2020 Blevins KE, Crane A, Lum C, Furuta K, Fox K, and Stone AC. Evolutionary history of *Mycobacterium leprae* in the Pacific Islands. Philosophical Transactions of the Royal Society, series B, 375(1812):20190582 c

2020 Motti JMB, Winingear S, Valenzuela LO, Nieves-Colon MA, Harkins KM, Garcia Laborde P, Bravi CM, Guichon RA, and Stone AC. Identification of the geographic origins of people buried in the cemetery of the Salesian Mission of Tierra del Fuego through the analyses of mtDNA and stable isotopes. Journal of Archaeological Science: Reports 33:102559. doi.org/10.1016/j.jasrep.2020.102559

2020 Wagner JK, Colwell C, Claw KG, Stone AC, Bolnick DA, Hawks J, Brothers KB and Garrison NA. ASHG Guidance: Fostering responsible research on ancient DNA. American Journal of Human Genetics 107:183-195, doi: 10.1016/j.ajhg.2020.06.017

2020 Nägele K, Posth C, Orbegozo MI, Chinique de Armas Y, Hernandez Godoy ST, González Herrera UM, Nieves Colón M, Sandoval-Velasco M, Mylopotamitaki D, Radzeviciute R, Laffoon J, Pestle WJ, Ramos-Madrigal J, Lamnidis TC, Schaffer WC, Carr RS, Day JS, Arredondo Antúnez C, Rangel Rivero A, Martinez-Fuentes AJ, Crespo-Torres E, Roksandic I, Stone AC, Lalueza-Fox C, Hoogland M, Roksandic M, Hofman C, Krause J, Schroeder H. Genomic insights into the early peopling of the Caribbean. Science 04 Jun 2020:eaba8697, doi:10.1126/science.aba8697

2020 Morales-Arce AY, Harris RB, Stone AC, and Jensen JD. Evaluating the contributions of purifying selection and progeny-skew in dictating within-host *Mycobacterium tuberculosis* evolution. Evolution 74-5: 992–1001, doi:10.1111/evo.13954

2020 Emery MV, Bolhofner K, Winingear S, Oldt R, Montes M, Kanthaswamy S, Buikstra JE, Fulginiti LC, and Stone AC. Reconstructing full and partial STR profiles from severely burned human remains using comparative ancient and forensic DNA extraction techniques. Forensic Science International: Genetics 46:102272. doi: 10.1016/j.fsigen.2020.102272

2020 Houseman G, Quillen EE, and Stone AC Intra- and Inter-Specific Investigations of Skeletal DNA Methylation Patterns and Femur Morphology in Nonhuman Primates. American Journal of Physical Anthropology 1-16, DOI: 10.1002/ajpa.24041

2020 Gokhman D, Nissim-Farinia M, Agranat-Tamir, Housman G, García-Pérez R, Lizano E, Cheronet O, Mallick S, Nieves-Colón M, Li H, Alpaslan-Roodenberg S, Novak M, Gu H, Osinski, JM, Ferrando-Bernal M, Gelabert P, Lipende I, Mjungu D, Kondova I, Bontrop R, Kullmer O, Weber G, Shahar T, Dvir-Ginzberg M, Faerman M, Quillen EE, Meissner A, Lahav Y, Kandel L, Liebergall M, Prada ME, Vidal JM, Gronostajski RM, Stone AC, Yakir B, Lalueza-Fox C, Pinhasi R, Reich D, Marques-Bonet T, Meshorer E, and Carmel L. Differential DNA methylation of vocal and facial anatomy genes in modern humans. Nature Communications 11, 1189, https://doi.org/10.1038/s41467-020-15020-6

2020 Baker BJ, Crane-Kramer G, Dee MW, Gregoricka LA, Henneberg M, Lee C, Lukehart SA, Mabey DC, Roberts CA, Stodder AL, Stone AC and Winingear S Advancing the Understanding of Treponemal Disease in the Past and Present. Yearbook of Physical Anthropology 1-37, doi: 10.1002/ajpa.23988

2020 Nieves-Colón, MA, Pestle WJ, Reynolds AW, Llamas B, de la Fuente C, Fowler K, Skerry K, Crespo-Torres E, Bustamante CD and Stone AC, Reconstructing the diversity and genetic legacies of pre-contact communities in Puerto Rico through ancient DNA analysis. Molecular Biology and Evolution 37:(3) 611-626 doi:10.1093/molbev/msz267

2019 Ottoni C, Guellil M, Ozga AT, Stone AC, Kersten O, Bramanti B, Procier S, and Van Neer W. Metagenomic analysis of dental calculus in ancient Egyptian baboons. Scientific Reports **9,** 19637 doi:10.1038/s41598-019-56074-x

2019 Ozga AT, Gilby I, Nockerts RS, Wilson MA, Pusey A, and Stone AC. Oral microbiome diversity in chimpanzees from Gombe National Park. Scientific Reports 9:17354 doi.org/10.1038/s41598-019-53802-1

2019 Flansburg C, Balentine CM, Grieger RW, Lund J, Ciambella M, White D, Coris E, Gonzalez E, Stone AC, and Madrigal L. Fetal hemoglobin modulators may be associated with symptomology of sickle cell trait football players. Southern Medical Journal 112(5):289-294

2019 Ziesemer K, Ramos Madrigal, J, Mann AE, Brandt B, Sankaranarayanan K, Ozga A, Hoogland M, Salazar Garcia D, Frohlich B, Milner G, Stone AC, Aldenderfer M, Lewis CM, Hofman C, Warinner C and Schroeder H. The efficacy of whole human genome capture on ancient dental calculus and dentin. American Journal of Physical Anthropology 168(3):496-509, DOI: 10.1002/ajpa.23763

2018 Cruz-Davalos DI, Nieves-Colón MA, Sockell A, Poznik GD, Schroeder H, Stone AC, Bustamante CD, Malaspinas AS, and Avila-Arcos MC. In-solution Y-chromosome capture-enrichment on ancient DNA libraries. BMC Genomics 19(1):608. doi: 10.1186/s12864-018-4945-x.

2018 Crane A, Goebel M, Kraberger, Stone AC, and Varsani A. Novel anelloviruses identified in buccal swab samples of Antarctic fur seals. Virus Genes 54(5):719-723, doi: 10.1007/s11262-018-1585-9

2018 Mann AE, Sabin S, Ziesemer K, Vågene AJ, Schroeder H, Ozga AT, Sankaranarayanan K, Hofman CA, Fellows Yates J, Salazar Garcia D, Frohlich B, Aldenderfer M, Hoogland M, Read C, Milner G, Stone AC, Lewis CM, Krause J, Hofman C, Bos K, and Warinner C. Differential preservation of endogenous human and microbial DNA in dental calculus and dentin. Scientific Reports 8(1):9822. doi: 10.1038/s41598-018-28091-9

2018 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 166(4):824-836, doi: 10.1002/ajpa.23472

2018 Housman G, Havill LM, Quillen EE, Comuzzie, AG and Stone AC. Assessment of DNA methylation patterns in the bone and cartilage of a nonhuman primate model of osteoarthritis. Cartilage 10(3):335-345, doi: 10.1177/1947603518759173

2018 Honap TP, Pfister L-A, Housman G, Mills S, Tarara RP, Suzuki K, Cuozzo FP, Sauther ML, Rosenberg MS, and Stone AC. *Mycobacterium leprae* genomes from naturally infected nonhuman primates. PLoS Neglected Tropical Diseases Jan 30; 12(1):e0006190. doi: 10.1371/journal.pntd.0006190.

2017 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 Oct 17;8(5). doi: 10.1128/mBio.01283-17.

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 unprovenienced 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, Sauther ML, Cuozzo 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 160(2):220-228. 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, Preito 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, Gravitol 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 ACł, and Krause Jł (*co-first authors, łco-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. doi: 10.1002/ajpa.22261

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, Hurles 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-Katiraee 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. Genetic structure of chimpanzee populations. 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, Independent evolution of bitter taste sensitivity in humans and chimpanzees. Nature 440:930-934. https://doi.org/10.1073/pnas.0602318103

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, Contrasting effects of natural selection on human and chimpanzee CC chemokine receptor 5. 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 the Kwäday Dän Ts'finchi ancient remains found in a glacier in Canada. American Journal of Physical Anthropology. 119:288-291, https://doi.org/10.1002/ajpa.10116

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.

Invited Commentaries

2020 Stone AC. Getting sick in the Neolithic. Nature Evolution and Ecology 4**,** 286–287 https://doi.org/10.1038/s41559-020-1115-8

2019 Stone AC. The lineages of the first humans to reach northeastern Siberia and the Americas. Nature. Jun;570(7760):170-172. https://*doi*.org/*10.1038/d41586*-019-01374-5

Book Reviews

2022 Stone AC. Genomes in Motion: ancient DNA sheds light on the peopling of the Americas. Review of Origins by Jennifer Raff. Science 375(6582):727, doi: 10.1126/science.abn7262

Book Chapters

Submitted Sabin S and Stone AC, Genetics and Genomics. In *Routledge Handbook of Paleopathology*, A. Grauer ed. Routledge Press.

2022 Roberts C, Davies P, Blevins KE and Stone AC. Preventable and curable, but still a global problem: tuberculosis from an evolutionary perspective. In *Palaeopathology and Evolutionary Medicine: An Integrated Approach.* Kimberly A. Plomp, Charlotte A. Roberts, Sarah Elton, and Gilian R. Bentley, eds, Oxford: Oxford University Press, pp. 179-221

2019 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-Blackwell ISBN: 978-1-118-76899-0

2019 Stone AC and Ozga AT, Ancient DNA in the study of ancient disease, In *Identification of Pathological Conditions in Human Skeletal Remains,* 3rd edition. JE Buikstra, ed, London: Elsevier Press, pp 183-210.

2018 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: John Wiley & Sons, 3rd edition, pp. 515-544.

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 and Colloquia

2024 A taste of two projects: The origins of Mycobacterium leprae in the Pacific & Community perspectives on genomic in northwest Kenya. Department of Genetics, Cambridge University, Cambridge, United Kingdom.

2024 Ancient diseases and ancient DNA: the evolutionary histories of the pathogens causing tuberculosis and leprosy. The Institute of Evolutionary Biology, Barcelona, Spain.

2024 Insights into humans' history with pathogens from ancient DNA (see https://www.youtube.com/live/RCZDlT_uy8o) Public lecture at Centro Nacional de Investigación sobre la Evolución Humana (CENIEH), Burgos, Spain.

2024 Leprosy, the Black Death and the White Plague: What ancient DNA tells us about Pathogens. Invited lecture, Department of Anthropology, University of Colorado, Boulder.

2024 Ancient DNA insights into the evolutionary history of tuberculosis. Invited lecture, Department of Biology, University of Southern California.

2023 TB and Leprosy: Insights into the evolutionary history of past (and present) mycobacterial pathogens using ancient DNA. Annual Trainee Lecture, Evolutionary Studies, Vanderbilt University.

2023 Leprosy, the Black Death and the White Plague: What ancient DNA tells us about Pathogens. Provost's Distinguished Lecture, Clemson University.

2023 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. Department of Biological Sciences, University of Buffalo

2023 Leprosy, the Black Death and the White Plague: What ancient DNA tells us about Pathogens. Department of Microbiology and Immunology, Jacobs School of Medicine and Biomedical Sciences, University of Buffalo

2022 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. Department of Anthropology, Washington University, St. Louis.

2020 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis.(online) Department of Anthropology, University of California, Davis.

2019 The Evolutionary history of tuberculosis: insights from ancient DNA. School of BioSciences, University of Melbourne

2019 The Evolutionary history of tuberculosis: insights from ancient DNA. University of Warwick Medical School.

2019 Paleogenomica y Anthropologia, course (co-taught with Drs. Maria Nieves Colon and Maria Avila Arcos) at the National School of Anthropology and History (ENAH)

2019 El uso del ADN antiguo en el studio de la historia humana. Discussion and talk at the National Museum of Anthropology, Mexico City, Mexico.

2019 Ancient DNA of humans and their pathogens, in the CARTA 10th Anniversary: Revisiting the Agenda symposium, Center for Academic Research & Training in Anthropogeny (CARTA), University of California, San Diego

2019 The Future of Human Evolution: We are what we eat, if we survive the pathogens we keep? Darwin Birthday Debate, Center for Ecology and Evolution, Natural History Museum, London

2019 Insights from ancient DNA into the evolutionary history of *M. tuberculosis*. Department of Zoology, Oxford University.

2018 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

2018 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. School of Archaeology, Oxford University.

2018 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. Lecture at the International Laboratory of Human Genomics (LIIGH) at the Universidad Autonomous de Mexico (UNM).

2018 Allan Wilson lectures: Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. University of Auckland and University of Otago

2018 Challenges and prospects for analyzing ancient pathogen DNA. Lecture in the course, "The Plague: a multidisciplinary approach" at the University of the Basque Country. Vitoria-Gasteiz, Spain.

2018 The Leper's tale: relationships among strains in humans and other animals. Plenary talk for the Symposium "Towards the origins of leprosy: molecular approaches to understand one of mankind's oldest diseases", University of Zurich.

2018 Ancient DNA analyses from Misión Salesiana, Tierra del Fuego. Tinker Symposium, Stanford University.

2018 The Clark Lecture: The Black Death and the White Plague: what ancient DNA tells us about pathogens. The University of Kansas.

2018 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis. Evolutionary Biology Research Day lecture, Stanford University

2018 The Marker lectures: Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis and What does dental calculus tell us about diet, pathogens, and population history: preliminary results from the chimpanzees of Gombe. Department of Biology, Pennsylvania State University.

2018 Tracking a Killer, using ancient DNA to understand the evolutionary history of tuberculosis, Department of Anthropology, Vanderbilt University

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 Evolutonary Anthropology at Duke University.

2010 South American Human Biodiversity, in The Evolution of Human Biodiversity symposium, Center for Academic Research & Training in Anthropogeny (CARTA), University of California, San Diego

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.

<u>Conference Presentations: Invited papers, plenary talks and keynotes</u>

2023 Ancient TB in the Americas, ITMAT 18th Annual International Symposium: Origins, Emergence, Prediction and Perception of Disease: A Quantum of Solace. Perelman School of Medicine, University of Pennsylvania

2023 Ancient DNA research over the last 10 years. Plenary lecture, International Society for Biomolecular Archaeology. Tartu, Estonia.

2023 Ancient mycobacteria, human history, and one health. Plenary lecture, Evolution in Action conference, Monte Verita, Switzerland.

2022 Stone AC, Ancient tuberculosis in the Americas, EMBL Symposium: Reconstructing the human past: using ancient and modern genomics, Heidelberg, Germany.

2022 Stone AC, The origins of Hansen's disease (leprosy). International Society for Applied Biology, Dubrovnik, Croatia

2021 Stone AC Promise and pitfalls in ancient DNA research: What can we learn from ancient pathogens? In the symposium, "Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts." Paleopathology Association Meetings (virtual)

2021 Sabin S, Nelson EA, Stone AC and Buikstra J. What we talk about when we talk about dating: tuberculosis and the tangled evidence for its antiquity. In the symposium, "Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts." Paleopathology Association Meetings (virtual)

2021 Vågene Å, Honap T, Harkins KM, Rosenberg MS, Giffin K, Cardenas-Arroyo F, Leguizamon LP, Arnett J, Buikstra JE, Herbig A, Stone AC, Bos KI, and Krause J. Zoonotic Mycobacterium tuberculosis complex strains from geographically dispersed pre-contact South American human populations. In "Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts." Paleopathology Association Meetings (virtual)

2021 Blevins KE, Nelson EA, Herbig A, Krause J, Buikstra JE, Mansilla Lory J, Bos KI, and Stone AC. Skeletal and molecular evidence of the Mycobacterium complex from Tenochtitlan-Tlateloco, a late Postclassic Mesoamerican urban center. In "Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts." Paleopathology Association Meetings (virtual)

2021 Campbell T, Stone AC, Ackermann R. The history of tuberculosis in South Africa: Insights and challenges from a multidisciplinary study. In "Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts." Paleopathology Association Meetings (virtual)

2021 Stone AC *M. leprae* Genomic Variation and Transmission Patterns in the Pacific. Lorentz workshop: Understanding transmission in leprosy: A *One Health Approach*

2021 Stone AC. *M. leprae* Genomic Variation and Transmission Patterns in the Pacific. Genome Concept Centennial Conference, Japan (virtual)

2020 Stone AC, Using ancient DNA to understand the evolutionary history of *M. tuberculosis* in humans and other animals. Plenary lecture, Plant and Animal Genomes XXVIII conference, San Diego

2019 Stone AC, Tracking a Killer: using ancient DNA to understand the evolutionary history of tuberculosis. International Society for Applied Biological Sciences, 11th conference, Split, Croatia

2019 Winingear S and Stone AC, Phylogenetic investigations of *Treponema pallidum* and related spirochetes. In the symposium, The Evolution of Syphilis: A New Approach. American Association of Physical Anthorpologists conference, Cleveland, OH.

2019 Stone AC, The evolutionary history of tuberculosis: Insights from ancient DNA. Plenary lecture, The Evolutionary Genetics and Genomics Symposium, Sectional interest group, Genetic Society, Cambridge University.

2019 Ozga AT, Webster TH, Gilby IC, Nockerts R, Wilson MA, Pusey AE, and Stone AC, Recent history of Gombe chimpanzees through ancient DNA analysis. Plant and Animal Genomes Conference XXVII, San Diego

2018 Stone AC, Tracking a killer: using ancient DNA to understand the evolutionary history of tuberculosis. Plenary lecture, Society for Molecular Biology and Evolution meetings, Yokohama, Japan.

2017 Stone AC, Tracking a killer: the origins and evolution of tuberculosis. Plenary lecture at XIII Jornadas Nacionales de Antropologia Biologica, Necochea, Quequen, Argentina.

2017 Stone AC, Tuberculosis epidemics in the Pre-Columbian New World. World Health Summit, Berlin.

2017 Stone AC. Current Methods in ancient DNA research: implications for forensic analyses. Workshop 11: aDNA: Mass Disaster, Forensic Anthropology (bone samples), International Society for Forensic Genetics Conference, Seoul, Korea.

2017 Stone AC, Honap TP, Vågene 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, Vågene 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-disciplnary 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

2024 Crane A, King F, Lum C, Furuta K, Fox PK, and Stone AC. Phylogenomics and intrahost dynamics of Mycobacterium leprae in the Pacific. International Society for Evolution, Medicine and Public Health conference, Durham, UK.

2024 Parker C, Coffman A, Rawls E, Rohrlach A.B., Bolhofner KL, Vidoli G, Devlin J, and Stone AC. The recovery of DNA from burned forensic contexts. Society for Molecular Biology and Evolution Meetings, Puerto Vallarta, Mexico.

2024 Siford R, Handley C, Mathew S, Wilson M, Robert J, Akinyi M, Kamau J, and Stone AC. Evaluating community perceptions and ethical considerations in genetics research in small scale northern Kenyan populations. Society for Molecular Biology and Evolution Meetings, Puerto Vallarta, Mexico.

2024 Apata M, Honap T, Lewis CM, Castro M, Silva-Pinto V, Knudson K, Wilson M, Stone AC. Characterization of Pre-Hispanic Oral Microbiomes Among Marine and Agricultural Diets in Coastal Populations from the Atacama Desert. American Association of Biological Anthropologists meetings. Los Angeles, CA.

2024 Ralls E, Emery MV, Coffman A, Winingear S, Wissler A, Bolhofner K, Buikstra J, Fulginiti L, Rohrlach AB, Parker C, and Stone AC. Testing methods for the maximum recovery of DNA from degraded remains. American Academy of Forensic Sciences Meeting, Denver, CO.

2024 Parker C, Rawls E, Coffman A, Bolhofner KL, Fulginiti L, Vidoli G, Devlin J, Oldt R, Kanthaswamy S, and Stone AC. The Application of Ancient DNA Methodologies to Badly Burned Forensic Samples and Their Potential to Aid in the Identification and Analysis of Difficult Samples. American Academy of Forensic Sciences Meeting, Denver, CO.

2023 Blevins KE, Winingear S, and Stone AC. Ancient DNA insights into America's pre-conquest pathogen landscape. American Association of Biological Anthropologists conference, Reno, NV.

2023 Parker C, Ralls E, Bolhofner KL, Fulginiti L, Vidoli G, Devlin J, Kanthaswamy S, and Stone AC. Application of ancient DNA methodologies to badly burned forensic samples and their potential to aid in the identification and analyses of difficult samples. American Academy of Forensic Sciences conference, Orlando, FL.

2022 Parker C, Emery M, Bolhofner KL, Ghafoor S, Wissler A, Rawls E, Winingear S, Oldt R, Kanthaswamy S, Buikstra JE, Vidoli G, Devlin J, Fulginiti L, and Stone AC. Evaluating the use of ancient DNA laboratory protocols in the downstream DNA identification of burned forensic remains. International Society of Forensic Genetics conference, Washington DC.

2022 Ozga AT, Honap T, Lewis CM, and Stone AC, Whole genome capture of oral pathogenic bacteria from Great Ape dental calculus. American Association of Biological Anthropologists conference, Denver, CO.

2022 Emery MV, Bolhofner KL, Ghafoor S, Wissler A, Rawls E, Winingear S, Oldt RF, Kanthaswamy S, Buikstra JE, Fulginiti L, and Stone AC. A multifaceted STR and NGS assessment of burned human remains using comparative DNA extraction and in-solution hybridization capture. American Academy of Forensic Sciences meetings, Seattle, WA.

2022 Parker C, Rawls E, Bolhofner KL, Fulginiti L, Vidoli G, Devlin J, Kanthaswamy S, and Stone AC. Application of ancient DNA methodologies to badly burned forensic samples and their potential to aid in the identification and analyses of difficult samples. American Academy of Forensic Sciences meetings, Seattle, WA.

2021 Emery MV, Wissler A, Rawls E, Bolhofner KL, Oldt RF, Kanthaswamy S, Buikstra JE, Fulginiti L, and Stone AC. Maximum DNA Recovery from Cold Case Victims Using Ancient and Forensic Extraction Methods. American Academy of Forensic Science Meetings, Houston/virtual

2019 Crane A, Blevins K, Lum C, Furuta K, Fox K, and Stone AC *Mycobacterium leprae* genome variation in the Pacific. International Society for Evolution, Medicine and Public Health conference, Zurich, Switzerland.

2019 Ozga A and Stone AC, Adventures in museuomics: The use of next generation sequencing to uncover great ape host and microbial genomes. American Association of Physical Anthropologists conference, Cleveland, OH.

2018 Ozga A and Stone AC, Profiles of microbial diversity and function within museum dental calculus samples extracted from wild great apes. 8th International Symposium on Biomolecular Archaeology, Jena, Germany

2018 Ozga A, Trumble BC, Dolobowsky Hopkins C, Schwartz M, Stieglitz J, Kaplan H, Gurven M, and Stone AC. Dental calculus microbiome variation across foraging-farming and metropolitan populations. International Society for Evolution, Medicine, and Public Health Conference, Park City, UT

2018 Blevins K, Buikstra JE, Stone AC, and Mansilla Lory J. Searching for tuberculosis at a Mesoamerican Postclassic urban center. American Association of Physical Anthropologists meetings, Austin, TX

2018 Handley C, Mathew S, Taravella A, Stone AC, and Wilson-Sayres M. Situating anthropological genetics within local beliefs in pastoral Kenya. American Association of Physical Anthropologists meetings, Austin, TX

2018 Honap T, Vågene Å, Herbig A, Rosenberg M, Buikstra JE, Bos KI, Krause J, and Stone AC, Precontact and historic era Mycobacterium tuberculosis complex genomes from the Americas. American Association of Physical Anthropologists meetings, Austin, TX

2018 Ozga AT, Nockerts R, Wilson M, Gilby I, Pusey A, and Stone AC. Oral microbiome variation in chimpanzees from Gombe National Park. American Association of Physical Anthropologists meetings, Austin, TX

2017 Honap TP, Vågene 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, Vågene 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 Meeetings, 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 (*Callthrix 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 (ISBA4), 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 cacterial 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, Philadephia, 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, Philadephia, 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

2024 Siford R, Handley C, Mathew S, Wilson M, Robert J, Akinyi M, Kamau J, and Stone AC. Evaluating community perceptions and ethical considerations in genetics research in small scale northern Kenyan populations. American Society of Human Genetics Meetings, Denver, CO.

2024 Parker C, Coffman A, Rawls E, Rohrlach A.B., Bolhofner KL, Vidoli G, Devlin J, Stone AC. The recovery and analysis of DNA from burned bone and tissue. International Society of Forensic Genetics conference, Santiago de Compostela, Spain.

2024 Ralls E, Emery MV, Coffman A, Winingear S, Wissler A, Bolhofner K, Buikstra J, Fulginiti L, Rohrlach AB, Parker C, and Stone AC. Testing methods for the maximum recovery of DNA from degraded remains. International Society of Forensic Genetics conference, Santiago de Compostela, Spain.

2024 Apata M, Acosta S, Comin W, Lasku K, Diviak B, Verdugo R, Moraga M, Stone AC, Wilson-Rawls J, and Wilson M. Functional genomic insights into the evolution of the arsenic tolerance in Andean populations. Society for Molecular Biology and Evolution conference, Puerto Vallarta, Mexico.

2024 Blevins KE, Crane AE, McCarty M, Dahlstedt A, Knudson KJ, Buikstra JE, Stone AC. The evolutionary history of pre-conquest pinniped-derived *Mycobacterium tuberculosis* strains in Perú. Ancient Biomolecules of Plants, Animals and Microbes conference, Wellcome Connecting Science, Cambridge, UK

2024 Blevins KE, Crane AE, McCarty M, Dahlstedt A, Knudson KJ, Buikstra JE, Stone AC. Tracking the movement of pinniped-derived *Mycobacterium tuberculosis* strains along the pre-conquest Osmore Drainage Valley, Perú. American Association of Biological Anthropologists meeting, Los Angeles CA.

2024 McCarty M, Crane A, Blevins K, Dahlstedt A, Knudson KJ, Buikstra J, De Angelis F, Amorim CE, and Stone AC. Ancient Human DNA from the Osmore River Valley, Peru: Demographics, Disease, and Adaptation. American Association of Biological Anthropologists meeting, Los Angeles CA.

2023 Crane AE, King F, Lum C, Furuta K, Fox K, and Stone AC. Spatial distribution and dynamics of Mycobacterium leprae genomes isolated from FFPE tissue samples in the Pacific. Society for Molecular Biology and Evolution meetings, Ferrara, Italy.

2023 Parker C, Rawls E, Coffman A, Emery M, Bolhofner KL, Fulginiti L, Oldt R, Kanthaswamy S, Vidoli G, Devlin J, and Stone AC. Adapting laboratory techniques developed for the extraction and analyses of ancient DNA for use in the identification of burned forensic remains. American Association of Biological Anthropologists Conference, Reno, NV

2023 Ralls E, Emery MV, Coffman A, Mehta R, Winingear S, Wissler A, Buikstra J, Fulginiti L, Oldt R, Kanthaswamy S, Parker C, and Stone AC. Maximum DNA recovery from cold case victims using ancient and forensic DNA extraction methods. American Academy of Forensic Sciences conference, Orlando, FL.

2022 Parker C, Emery MV, Bolhofner KL, Ghafoor S, Rawls E, Winingear S, Oldt R, Kathaswamy S, Buikstra JE, Vidoli G., Devlin J., Fulginiti L, and Stone AC. Evaluating the use of ancient DNA laboratory protocols in the downstream DNA identification of burned forensically-derived samples, International Society of Applied Biology, Dubrovnik, Croatia.

2022 Blevins KE, Mansilla Lory J, Buikstra JE, Stone AC. Paleopathology-informed sampling strategies for *Mycobacterium tuberculosis* complex aDNA recovery. UK Archeological Sciences Conference, Edinburgh, UK

2020 Emery MV, Bolhofner KL, Ghafoor S, Winingear S, Oldt R, Kathaswamy S, Buikstra JE, Fulginiti L, and Stone AC. Quantitative Ancient and Forensic DNA Techniques for Maximum DNA Recovery From Thermally Altered Bones and Teeth, American Academy of Forensic Science, Los Angeles, CA

2019 Taravella AM, Handley C, Howell EK, Stone AC, Mathew S, and Wilson MA. The genetic structure of pastoralists in Northern Kenya. American Association of Human Genetics conference, Houston TX

2019 Emery MV, Bolhofner KL, Winingear S, Oldt R, Kathaswamy S, Buikstra JE, Fulginiti L, and Stone AC. Comparison of forensic and ancient DNA extraction methods for recovering DNA from differentially burned bone. International Society for Applied Biological Sciences, 11th conference, Split, Croatia

2019 Bolhofner KL, Emery MV, Buikstra JE, Fulginiti L, and Stone AC. Best practice procedures for sampling differentially burned bone for successful DNA recovery. American Academy of Forensic Science, Baltimore MD

2018 Winingear S, Motti JMB, Nieves-Colón M, Harkins K, Garcia Laborde P, Guichon R, and Stone AC. Ancient DNA from Misión Salesiana, Tierra del Fuego, 8th International Symposium on Biomolecular Archaeology, Jena, Germany

2018 Crane A, Goebel M, Kraberger S, Stone AC, and Varsani A. Identifying novel viruses associated with Antarctic fur seals and Weddell seals. Society for Molecular Biology and Evolution meetings, Yokohama, Japan.

2018 Ozga AT, Nieves-Colón M, Siford R Webster TH, Wilson-Sayres M, Nockerts R, Wilson MI, Gilby IC, Pusey A, and Stone AC. Mitochondrial and exome diversity in *Pan troglodytes schweinfurthii* at Gombe National Park, Society for Molecular Biology and Evolution meetings, Yokohama, Japan.

2018 Housman G, Quillen E, and Stone AC, Evolutionary implications of primate skeletal DNA methylation patterns and their relationship to skeletal phenotypes. American Association of Physical Anthropologists meetings, Austin, TX.

2018 Nieves-Colón MA, Stone AC, and Benn-Torres J. Genome wide admixture patterns in Afro-Caribbean populations from the Lesser Antilles. American Association of Physical Anthropologists meetings, Austin, TX

2018 Winingear S, Motti JMB, Nieves-Colón M, Harkins K, Garcia Laborde P, Guichón, RA and Stone AC, Ancient Mitochondrial DNA Analysis at Misión Salesiana, Tierra del Fuego. American Association of Physical Anthropologists meetings, Austin, TX

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, Vågene 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, Erkenswick G, Housman G, Malukiewicz J, Boere V, Machado Pereira LC, Gravitol AD, de Oliveira Silva I, Ruiz-Miranda CC, Erkenswick-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, Grativol 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 Ava 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 SLCIIA, 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

2024 StoneLab YouTube channel: https://www.youtube.com/@StoneLab-outreach/videos

2024 What does ancient DNA tell us about human adaptation? Public lecture available on YouTube (see https://www.youtube.com/watch?v=CVd7zJkfthU), Lucy 50: A year of discovery monthly lecture series. Institute of Human Origins, Arizona State University.

2024 Leprosy, the Black Death and the White Plague: What ancient DNA teaches us about pathogens. Rio Verde -ASU Lecture Series, Rio Verde Community, AZ

2023 Tracking a killer: using ancient DNA to understand the origins of tuberculosis, Wiseguise community group talk

2023 Stone AC, Identifying fire victims through DNA analysis can be challenging − a geneticist explains what forensics is learning from archaeology. The Conversation, August 18, 2023, https://theconversation.com/identifying-fire-victims-through-dna-analysis-can-be-challenging-a-geneticist-explains-what-forensics-is-learning-from-archaeology-211589

2022 Leakey Foundation Lunch Break Science #50, Human Evolution Misconceptions. https://www.youtube.com/watch?v=vRKyoI0bHaU

2022 CARTA: Ancient DNA and Anthropogeny with Anne Stone, https://www.youtube.com/watch?v=giQMwltVgp0

2020 Tracking a killer: using ancient DNA to understand the origins of tuberculosis, Rio Verde -ASU Lecture Series, Rio Verde Community, AZ

2020 Shooting videos on your phone for teaching and outreach, American Association of Physical Anthropologists Webinar “Tips & Tricks for Remote Teaching in Biological Anthropology”, https://www.youtube.com/watch?v=ZhqZ3v3v9ao

2020 Leakey Foundation Lunch Break Science #8, Pathogens and Human Evolution, https://www.youtube.com/watch?v=isjsNjMLbtA

2016 - Genomic/genetics content for March Mammal Madness (to learn more see http://mammalssuck.blogspot.com/2019/02/march-mammal-madness-2019.html)

2017 Tracking a killer: the origins and evolution of tuberculosis, Osher lifelong learning lecture series.

2017 Being human: genes, culture, and disease. 2017-2018 STEAM lecture series “What it means to be human”, at the Gary K. Herberger Young Scholars Academy

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	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, June 2015.
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

2024-2025	Search committee chair, SHESC
2023-2024	Search committee member for the director of the School of Interdisciplinary Forensics
2023-2024	Search committee member for the dean of the College of Arts and Sciences
2022-2023	Search committee member, SHESC
2021-2022	Search committee chair for the director of the School of Life Sciences
2020-2024	co-director for the Evolutionary Biology graduate program (SOLS)
2020-2021	search committee member, IHO director search
2019-2022	Chair and member of the SHESC executive committee
2019-2024	member, Research Computing Governance Board
2017-2018	Research Computing Governance Board
2016-2018	Associate Director, Center for Evolution & Medicine, ASU.
2015-	Affiliated faculty, Institute of Human Origins, ASU
2014-	core faculty, 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

2024-2025	Review committee member for social science units for the Foundation for Science and Technology, Portugal.
2024-	Advisory committee member for the Australian Research Council Centre of Excellence for Indigenous and Environmental Histories and Futures (CIEHF)
2024	President-elect, American Association of Biological Anthropologists.
2024	Retiring chair, section H of the American Association for the Advancement of Science.
2023	Bioinformatics Workshop (1 week), Institute of Primate Research (18 students), Nairobi, Kenya
2023	Science Symposium organizer: The future of lost genomes, National Academy of Sciences annual meeting, Washington D.C., April 30, 2023.
2022-2024	Chair, section H of the American Association for the Advancement of Science.
2022-2027	International Scientific Advisory Board for the Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2021-2022	Retiring chair, section H of the American Association for the Advancement of Science.
2021-	Member of the Editorial Board, Philosophical Transactions of the Royal Society, B
2020-2022	Member of the Class V Membership Committee, National Academy of Sciences
2020-2021	Chair, section H of the American Association for the Advancement of Science.
2019-2020	Member, Committee on Assistance to the U.S. Fish and Wildlife Service on Taxonomic Studies of the Red Wolf: A Review of Applications to Carry out Research and Development of a Research Strategy, National Academy of Sciences

2019-2024	Co-chair of the Committee on Diversity, Women's Initiative, American Association of Biological Anthropologists.
2019-2020	Chair-elect of section H of the American Association for the Advancement of Science (AAAS)
2017-2024	Member of the centre advisory committee of the Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH)
2017-	Member editor *Proceedings of the National Academy of Sciences*
2015-	Member of the Scientific Executive Committee of the Leakey Foundation
2015-2018	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.
2015-2021	Associate Editor, Evolution, Medicine, & Public Health.
2012-2019	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
2010-2017	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 Heath, August 8-9, Bethesda, MD.
2002	Beyond the beginning: The future of genomics II planning workshop, National Institutes of Heath, 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, now associate professor, U. Tennessee), Matthew Emery (2017-2020, now a research professor at SUNY Binghamton), Ana Yansi Morales Arce (2018-2020), Maria Nieves-Colón (2017-2019, now an assistant professor at the University of Minnesota), Andrew Ozga (2015-2019, now assistant professor, NOVA Southeastern), Cody Parker (2020-2024, now at the US Federal Bureau of Investigation), Susanna Sabin (2019-2021, currently a CDC fellow), Alicia Wilbur (2008-2009)

Current Graduate Students (PhD committee chair or co-chair)

Mario Apata (SOLS), Maggie Hassler (SHESC), Maxine McCarty (SOLS), Erin Rawls (SOLS), Rebecca Siford (SHESC), Stevie Winingear (SHESC)

Past Graduate Students (PhD committee chair) and their current positions

Jada Benn (Ph.D. 2006, UNM)	Associate professor, Vanderbilt University
Kelly Blevins (Ph.D. 2021, ASU)	Postdoctoral fellow, Durham University, UK
Adele Crane (Ph.D. 2024, ASU)	Postdoctoral fellow, Colorado State University
Kelly Harkins (Ph.D. 2014, ASU)	CEO, Claret BioSciences and Astrea Forensics
Tanvi Honap (Ph.D. 2017, ASU)	Research professor, U. Oklahoma
Genevieve Housman (Ph.D. 2017, ASU)	Group Leader, Max Planck Institute for Evolutionary Anthropology
Mary Leonard (MA 2006, ASU)	PhD Analytical Chemistry, Oregon State University (now a science writer)
Cecil Lewis (Ph.D. 2005, UNM)	Professor, University of Oklahoma
Hsiuman Lin (Ph.D. 2009, UNM)	Research scientist, National Museum of Taiwan
Joanna Malukiewicz (Ph.D. 2014, ASU)	Curie Postdoctoral fellow, German Primate Center
Maria Nieves-Colón (Ph.D. 2017, ASU)	Assistant Professor, University of Minnesota
Angela Taravella Oill (Ph.D. 2022, ASU)	Research Associate, Translational Genomics Research Institute (*TGen*)
George Perry (Ph.D. 2008, ASU)	Professor, Pennsylvania State University
Heather Smith (Ph.D. 2008, ASU)	Professor, Midwestern University
Amanda Van Steelandt (Ph.D. 2014, ASU)	Associate Health Scientist, Doctors Without Borders
Alicia Wilbur (Ph.D. 2005, UNM)	Researcher and accountant, Tucson, AZ

Graduate Students (PhD committee member):
Brooklynn Scott (SOLS)

Past Graduate Students (PhD committee member or reader)
Tessa Campbell (University of Cape Town, 2019), E. Ann Carson (Ph.D. 2006, UNM), Katarzyna Miska (Ph.D. 2002, UNM), Daryn Stover (Ph.D. 2010, ASU)

Past Graduate Students (PhD external examiner)
Leonardo Arias Alvis (Ph.D. 2018, Max Planck Institute for Evolutionary Anthropology), Kirsten Bos (Ph.D. 2011, McMaster University), Raphael Eisenhofer (Ph.D. 2018, University of Adelaide), Constanza de la Fuente (Ph.D. 2018, University of Copenhagen), Anne Fischer (Ph.D. 2006, Max Planck Institute for Evolutionary Anthropology), Ashot Margaryan (Ph.D. 2017, U. Copenhagen)

Current Graduate Students (Masters degree)
Ashlynn Alloway (Global Health)

Past Graduate Students (Masters degree)
Amber Coffman (SOLS, 2023), Felicia King (SOLS, 2023), Howard Lanus (SHESC, 2023), Jamie Smith (MA 2002, UNM)

Membership in Professional Organizations
American Association for the Advancement of Science, American Association of Physical Anthropologists, International Society of Forensic Genetics, Sigma Xi, The Scientific Research Society, Society for Molecular Biology and Evolution, American Academy of Forensic Sciences