

*Curriculum Vitae*  
**Michael A. Schillaci**

Department of Anthropology  
University of Toronto Scarborough  
1265 Military Trail, Toronto, Ontario  
M1C 1A4, Canada  
(416) 287-7328; michael.schillaci@utoronto.ca

## EDUCATION

2002	PhD	Anthropology, University of New Mexico
1992	MA	Anthropology, University of Toronto
1990	BA	Anthropology and French, University of New Mexico

## EMPLOYMENT

2020-present	Professor	Department of Anthropology, University of Toronto Scarborough
2008-2020	Associate Professor	Department of Anthropology, University of Toronto Scarborough
2003-2008	Assistant Professor	Department of Social Sciences, University of Toronto Scarborough
2002-2003	Postdoctoral Fellow	Division of Community Medicine, University of New Mexico

## ADMINISTRATIVE POSITIONS

2020- present	Associate Chair, Graduate (tri-campus);	Department of Anthropology, University of Toronto
2018-2020	Associate Chair,	Department of Anthropology, University of Toronto Scarborough
2012-2015	Connaught Review College,	Social Sciences Review Panel, University of Toronto
2011	Discipline Representative (Anthropology),	Department of Social Sciences, University of Toronto Scarborough

## RESEARCH INTERESTS

Bioarchaeology: *craniometric variation, quantitative genetics, paleopathology*

Archaeology: *American Southwest, use of historical linguistic data, ceramics*

Primate Evolution: *growth and development, hybridization, morphology*

Medical Primatology: *bidirectional pathogen transmission, radiography*

Public Health: *health policy, childhood immunizations, biostatistics*

## RESEARCH GRANTS

### *External grants*

2018-2022 Social Sciences and Humanities Research Council (SSHRC), Insight Grant (\$87,146), for research on the biological affiliations of the prehistoric Sopris and Apishapa phase cultures of the American Southwest.

2006-2009 Social Sciences and Humanities Research Council (SSHRC), Standard Research Grant (\$53,307), for research on craniometric variation among ancestral Pueblo Indians in the American Southwest.

### *Institutional grants*

2017 SSHRC Institutional Grant (SIG) (\$900) for statistical computer software

2014 SSHRC Institutional Grant (SIG) (\$660) for radiocarbon (AMS) dating of bone

2013 UTSC Research Competitiveness Fund (VPR-RCF) (\$8,520) for stable isotope analysis of monkey hair

2012 SSHRC Institutional Grant (SIG) (\$960) for viral (SFV) DNA sequencing

2011 SSHRC Institutional Grant (SIG) (\$2,000) for human ancient DNA analysis

2011 UTSC Research Competitiveness Fund (VPR-RCF) (\$4,300) for human ancient DNA analysis

2010 SSHRC Institutional Grant (SIG) (\$2,000) for lab analysis of monkey hair

2008 SSHRC Institutional Grant (SIG) (\$2,000) for lab analysis of monkey serum cortisol

2006 SSHRC Institutional Grant (SIG) (\$2,500) Strontium isotope ratio ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) analysis of non-Puebloan burials from the American Southwest

2004 Connaught Fund New Staff Matching Grant awarded (\$35,000) for research on morphology and growth variation in long-tailed macaques.

## FIELDWORK EXPERIENCE

- 2008 Serological and morphometric data collection on macaques and langurs in Bangladesh
- 2006, 2005, 2003 Serological and morphometric data collection on macaques in Singapore
- 2002 Serological and morphometric data collection on pet macaques in Thailand
- 2002 Reconnaissance of the hybrid zone between *Macaca hecki* and *M. nigrescens* in North Sulawesi, Indonesia.
- 2002, 2001 Professional fieldwork as consulting bioarchaeologist, Southwest Archaeological Consultants, Inc., Santa Fe, New Mexico. Fieldwork included archaeological excavation and analysis of three Plains Woodland burials from northeastern New Mexico.
- 2001 Morphological data collection on wild & pet macaques in Sulawesi and Java, Indonesia
- 1999, 2000 Primate morphometric, radiographic, and serological data collection on wild and pet macaques in Sulawesi and Bali, Indonesia.
- 1998 Population survey of *Macaca tonkeana* in Tanjung Api Reserve, Central Sulawesi, and morphometric data collection on pet macaques in Sulawesi, Indonesia.
- 1998, 1999 Fieldwork in primate paleontology, DeBeque Formation (Eocene) of west-central Colorado (approx. 35 hours of survey).
- 1996 Excavation of a single Plains Woodland (Antelope Creek Focus) burial at Lake Meredith National Recreational Area, Moore County, TX. Consultant for National Park Service.
- 1992-2000 Annual fieldwork in primate paleontology, San Jose Formation (Eocene) of northwest New Mexico (approx. 200 hours of survey).
- 1992-1996 Four years of full-time professional employment in cultural resource management. Fieldwork included archaeological survey, excavation, testing, and monitoring in seven New Mexico counties. Employment with Los Alamos National Laboratory, and Southwest Archaeological Consultants, Santa Fe, New Mexico.

## MUSEUM COLLECTIONS RESEARCH

- 2019, 2010, 2002 Trinidad State Junior College, Archaeology Museum, osteology collection
- 2009, 2008, 1998 Maxwell Museum of Anthropology, human osteology collection.
- 2002 Pan Handle Plains Museum, West Texas A&M University, human osteology
- 1999 American Museum of Natural History, Dept. Zoology, Archibold Collection
- 1999, 1998 American Museum of Natural History, human osteology collection
- 1998, 1999 United States National Museum, human osteology collection
- 1998 School of American Research, Arroyo Hondo, human osteology collection

## PUBLICATIONS

- Number of peer-reviewed publications: 82 (75 journal articles, 7 book chapters)
- Researcher Impact: Number of citations: 2513; h-Index: 30 (Google Scholar)

### *Articles* (students underlined)

75. Schillaci MA, Sutton LD, Wichmann S, López-Torres S. 2021. Linguistic clues to Kiowa-Tanoan prehistory. *Journal of the Southwest* (accepted)
74. Schillaci MA. 2021 Another Look at Tewa Origins: The Biological Evidence. *Kiva* 87(2): early view.
73. O'Donnell L, Schillaci MA. 2021. Inferring the relationships of the Gallina and Pottery Mound populations using craniometrics and dental morphological biodistance. *Kiva* 87(1): 97-128
72. Evans BJ, Gansauge M-T, Tocheri M, Schillaci MA, Sutikna T, Jatmiko A, E. Saptomo EW, Klegarth A, Tosi AJ, Melnick DJ, Meyer M. 2020. Mitogenomics of macaque monkeys (*Macaca*) across Wallace's Line in the context of modern humans. *Journal of Human Evolution* 146(102852):1-14
71. Schillaci MA, Lakatos SA, Ferguson J, Wilson D. 2020. Analysis of ceramic compositional data from Late Developmental period sites in the Tewa Basin, New Mexico. *Kiva* 86(1):70-107.
70. Schillaci MA, Lintlop J, Sumra M, Pizarro M, Jones-Engel L. 2019. Hair cortisol and stable carbon and nitrogen isotope ratios in Barbary macaques (*Macaca sylvanus*) from Gibraltar. *Rapid Communications in Mass Spectrometry* 33(9):831-838.
69. Schillaci MA, Kopriv C, Wichmann S, Dewar G. 2017. Linguistic clues to Iroquoian prehistory. *Journal of Anthropological Research* 73(3):448-485.
68. Klegarth AR, Ezeonwu CA, Rompis A, Lee BPY-H, Aggimarangsee N, Chalise M, Cortes J, Feeroz M, Molini BJ, Godornes BC, Marks M, Schillaci M, Engel G, Knauf S, Lukehart SA, Jones-Engel L. 2017. Survey of treponemal infections in free-ranging and captive macaques, 1999–2012. *Emerging Infectious Diseases* 23(5):816-819.
67. Schillaci MA, Lakatos SA. 2017. The emergence of Kwahe'e Black-on-white pottery in the Tewa Basin, New Mexico. *Journal of Field Archaeology* 42(2):152-160.
66. Schillaci MA, Lakatos SA, Sutton LD. 2017. Tewa place names for early habitation sites in the Northern Rio Grande Valley, New Mexico. *Journal of Field Archaeology* 42(2):142-151
65. MJC Reid, Switzer WM, Schillaci MA, Klegarth AR, Campbell E, Ragonnet M, Joannise I, Caminiti K, Lowenberger CA, Galdikas BMF, Hollocher H, Sandstrom PA, Brooks JI. 2017. Bayesian inference reveals ancient origin of simian foamy virus in orangutans. *Infection, Genetics and Evolution* 51: 54-66.

64. Schillaci MA, Klegarth AR, Switzer WM, Shattuck MR, Lee BPY-H, Hollocher H. 2017. Evolutionary relationships of *Macaca fascicularis fascicularis* (Raffles 1821) (Primates: Cercopithecidae) from Singapore revealed by Bayesian analysis of mitochondrial DNA sequences. *The Raffles Bulletin of Zoology* 65:3-19
63. Schillaci MA, Lakatos SA. 2016. Refiguring the population history of the Tewa Basin. *Kiva* 82(4):364-386.
62. MJC Reid, Switzer WM, Schillaci MA, Ragonnet M, Joannis I, Caminiti K, Lowenberger CA, Galdikas BMF, Sandstrom PA, Brooks JI. 2016. Detailed phylogenetic analysis of primate T-lymphotropic virus type 1 (PTLV-1) sequences from orangutans (*Pongo pygmaeus*) reveals new insights into the evolutionary history of PTLV-1 in Asia. *Infection, Genetics and Evolution* 43:434
61. Bertrand OC, Schillaci MA, Silcox MT. 2015. Cranial dimensions as estimators of body mass and locomotor habits in extant and fossil rodents. *Journal of Vertebrate Paleontology* e1014905.
60. López-Torres S, Schillaci MA, Silcox MT. 2015. Life history of the most complete fossil primate skeleton: exploring growth models for *Darwinius*. *Royal Society Open Science* 2: 150340
59. Schillaci MA. 2015. Letter to the Editor: Body mass as a confounding variable when predicting group size from orbit diameter and neocortex ratio. *American Journal of Physical Anthropology* 158:170–171
58. Sumra MK, Schillaci MA. 2015. Stress and the multiple-role woman: taking a closer look at the “Superwoman”. *PLoS One* 10(3): e0120952. doi:10.1371/journal.pone.0120952
57. Schillaci MA, Castellini MJ, Stricker CA, Jones-Engel L, Lee BP, O’Hara TM. 2014. Variation in hair  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  values in long-tailed macaques (*Macaca fascicularis*) from Singapore. *Primates* 55:25-34.
56. Engel GA, Fuentes A, Lee BPY-H, Schillaci MA, Jones Engel L. 2013. Letter to the Editor: Monkey bites among US military members, Afghanistan, 2011. *Emerging Infectious Diseases* 19(4):691.
55. Karlsson EA, Engel GA, Feeroz MM, San S, Rompis A, Lee BPY-H, Shaw E, Oh G, Schillaci MA, Grant R, Heidrich J, Schultz-Cherry S, Jones-Engel L. 2012. Influenza virus infection in nonhuman primates. *Emerging Infectious Diseases* 18(10):1672-1675.
54. Wilbur AK, Engel GA, Rompis A, Putra IGA, Lee BPY-H, Aggimarangsee N, Chalise M, Shaw E, Oh G, Schillaci MA, Jones-Engel L. 2012. From the mouths of monkeys: detection of Mycobacterium tuberculosis complex DNA from buccal swabs of synanthropic macaques. *American Journal of Primatology* 74:676-686.
53. Pacheco MA, Reid MJC, Schillaci MA, Lowenberger CA, Galdikas BMF, Jones-Engel L, Escalante AA. 2012. The origin of malarial parasites in Orangutans. *PLoS One* 7(4) e-34990
52. Schillaci MA, Sachdev HPS, Bhargava SK. 2012. Comparison of the Maresh reference data with the WHO international standard for normal growth in healthy children. *American Journal of Physical Anthropology* 147:493-498.

51. Schillaci MA, Nikitovic D, Akins NJ, Tripp L, Palkovich AM. 2011. Infant and juvenile growth in ancestral Pueblo Indians. *American Journal of Physical Anthropology* 145:318-326.
50. Schillaci MA, Lee BP Y-H, Castellini JM, Reid MJC, O'Hara TM. 2011. Lead levels in long-tailed macaque (*Macaca fascicularis*) hair from Singapore. *Primates* 52(2):163-170
49. Schillaci MA, Saravia S, Lee BPY-H, Matheson C. 2011. Preliminary report on mitochondrial DNA variation in *Macaca fascicularis* from Singapore. *The Raffles Bulletin of Zoology* 59(1):101-108.
48. Meulendyk T, Dewar G, Schillaci MA. 2011. The Meul Index: a nondestructive method for estimating the cortical index in skeletal samples. *International Journal of Osteoarchaeology* 21(2):243-246.
47. Feeroz MM, Schillaci MA, Begum S, Hasan MK, Aziz MA, Rabiul Alam SM, Rahman SM, Farhana A, Engel GA, Jones-Engel L. 2010. Morphometric assessment of rhesus macaques (*Macaca mulatta*) from Bangladesh. *Primate Conservation* 25: 119-125.
46. Schillaci MA, Bustard WJ. 2010. Controversy and conflict: NAGPRA and the role of biological anthropology in determining cultural affiliation. *Political and Legal Anthropology Review* 33(2):352-373.
45. Schillaci MA, Waitzkin H, Carson EA, Romain SJ. 2010. Prenatal care utilization for mothers from low-income areas of New Mexico, 1989-1999. *PLoS One* 5(9): e12809
44. Schillaci MA, Lischka AR, Karamitsos AA, Engel GA, Paul N, Ramoul R, Rompis A, Putra A, Wandia IN, Jones-Engel L. 2010. Radiographic measurement of the cardiothoracic ratio in a feral population of long-tailed macaques (*Macaca fascicularis*). *Radiography* 16:163-166.
43. Veroni A, Nikitovic D, Schillaci MA. 2010. Sexual dimorphism of the juvenile basicranium. *American Journal of Physical Anthropology* 141:147-151.
42. Schillaci MA. 2010. Latitudinal variation in cranial dimorphism in *Macaca fascicularis*. *American Journal of Primatology* 72(2):152-160.
41. Schillaci MA, Irish JD, Wood CCE. 2009. Further analysis of the population history of ancient Egyptians. *American Journal of Physical Anthropology* 139(2):235-243.
40. Schillaci MA, Meijaard, E, Clark T. 2009. The effect of island area on body size in a primate species from the Sunda Shelf Islands. *Journal of Biogeography* 36:362-371.
39. Schillaci MA, Parish S, Jones-Engel L. 2009. Radiographic measurement of the cardiothoracic ratio in pet macaques from Sulawesi, Indonesia. *Radiography* 15:e29-e33.
38. Schillaci MA, Schillaci ME. 2009. Estimating the probability that the sample mean is within a desired fraction of the standard deviation of the true mean. *Journal of Human Evolution* 56(2):134-138.
37. Roksandic M, Vlak D, Schillaci MA, Coicu D. 2009. Applicability of tooth cementum annulation to an archaeological population. *American Journal of Physical Anthropology* 140(3):583-588.

36. Romain SJ, Schillaci MA. 2009. Childhood immunization, availability of primary care providers in Ontario. *Canadian Family Physician* 55:1104-1105.e1-e4
35. Schillaci MA, Waitkin H, Sharmen T, Romain SJ. 2008. The impact of changing Medicaid enrollments on New Mexico's immunization program. *PLoS One* 3(12): e3953.
34. Schillaci MA. 2008. Human cranial diversity and evidence of an ancient lineage of modern humans. *Journal of Human Evolution* 54(6):814-826.
33. Schillaci MA. 2008. Primate mating systems and the evolution of neocortex size in primates. *Journal of Mammalogy* 89:58-63.
32. Schillaci MA, Jones-Engel L, Engel GA, Fuentes A. 2008. Characterizing the threat to the blood supply associated with nonoccupational exposure to emerging simian retroviruses. *Transfusion* 48(2):398-401.
31. Schillaci MA, Jones-Engel L, Heidrich J, Benamore R, Periera A, Paul N. 2008. Thoracic radiography of pet macaques in Sulawesi, Indonesia. *Journal of Medical Primatology* 37(3):141-145.
30. Taylor ND, Schillaci MA. 2008. Heterochrony in hybrid macaques. *Zoological Studies* 47: 713-719.
29. Vlak D, Roksandic M, Schillaci MA. 2008. Greater sciatic notch as a sex indicator in Juveniles. *American Journal of Physical Anthropology* 137(3):309-315.
28. Begg-Reid C, Schillaci MA. 2008. Infant cradling in a captive mother gorilla. *Zoo Biology* 27(5):420-426.
27. Waitzkin H, Schillaci MA, Willging CE. 2008. Multimethod evaluation of health policy change: an application to Medicaid managed care in a rural state. *Health Services Research* 43(4):1325-1347.
26. Jones-Engel L, May CC, Engel GA, Steinkrous KA, Schillaci MA, Fuentes A, Rompis A, Chalise MK, Aggimarangsee N. et al. 2008. Diverse contexts of zoonotic transmission of simian foamy viruses in Asia. *Emerging Infectious Diseases* 14(8):1200-1208.
25. Schillaci M, Jones-Engel L, Lee B, Fuentes A, Aggimarangsee N, Engel G, Sutthipat T. 2007. Morphology and somatometric growth of long-tail macaques (*Macaca fascicularis fascicularis*) in Singapore. *Biological Journal of the Linnean Society* 92: 675-694.
24. Schillaci MA, Froehlich J, Supriatna J. 2007. Growth and sexual dimorphism in a population of hybrid macaques. *Journal of Zoology* 271(3): 328-343.
23. Jones-Engel L, Steinkraus KA, Murray SM, Engel GA, Grant R, Aggimarangsee N, Lee BPY-H, May C, Schillaci MA, Somgird C, Sutthipat T, Vojtech L, Zhao JY, Linial ML. 2007. Sensitive assays for simian foamy viruses reveal a high prevalence of infection in commensal, free-ranging Asian monkeys. *Journal of Virology* 81(14):7330-7337.
22. Cooke C, Schillaci MA. 2007. Behavioral responses to the zoo environment by white handed gibbons. *Applied Animal Behavior Science* 106(1): 125-133.

21. Schillaci MA, Jones-Engel L, Engel GA, Kyes R. 2006. Exposure to human respiratory viruses in urban performing monkeys in Indonesia. *American Journal of Tropical Medicine and Hygiene* 75(4):716-719.
20. Schillaci MA. 2006. Sexual selection and the evolution of brain size in primates. *PLoS One* 1:e62
19. Jones-Engel L, Engel GA, Schillaci MA, Lee B, Heidrich J, Chalise M, Kyes RC. 2006. Considering human-primate transmission of measles virus through the prism of risk analysis. *American Journal of Primatology* 68(9):868-879.
18. Engel GA, Hungerford LL, Jones-Engel L, Travis D, Eberle R, Fuentes A, Grant R, Kyes RC, Schillaci MA, and the Macaque Risk Analysis Workshop Group. 2006. Risk assessment: A model for predicting cross-species transmission of simian foamy virus from macaques (*M. fascicularis*) to humans at a monkey temple in Bali, Indonesia. *American Journal of Primatology* 68(9):934-948.
17. Stojanowski CM, Schillaci MA. 2006. Intra-cemetery research in biological anthropology. *Yearbook of Physical Anthropology* 131(S43):49-88.
16. Schillaci MA, Jones-Engel L, Engel GA, Paramastri Y, Iskandar E, Wilson B, Allan JS, Kyes R, Watanabe R, Grant R. 2005. Prevalence of enzootic simian viruses among street performance monkeys in Indonesia. *Tropical Medicine and International Health* 10(12): 1305-1314.
15. Schillaci MA, Froehlich JW, Jones-Engel L. 2005. The effects of hybridization on growth allometry and craniofacial form in Sulawesi macaques. *Journal of Human Evolution* 49(3):335-369.
14. Schillaci MA, Stallmann R. 2005. Ontogeny and sexual dimorphism in a population of booted macaques (*Macaca ochreata*). *Journal of Zoology* 267(1): 19-29.
13. Schillaci MA, Stojanowski CM. 2005. Craniometric variation and population history of the prehistoric Tewa. *American Journal of Physical Anthropology* 126(4):404-412.
12. Jones-Engel L, Engel GA, Schillaci MA, Rompis A, Putra A, Suaryana KG, Fuentes A, Beer B, Hicks S, White, R, Wilson B, Allan JS. 2005. Primate-to-human retroviral transmission in Asia. *Emerging Infectious Diseases* 11: 1028-1035.
11. Schillaci MA, Waitzkin H, Carson EA, Lopez CM, Boehm DA, Lopez, LA, Mahoney SF. 2004. Immunization coverage and Medicaid managed care in New Mexico: a multimethod assessment. *Annals of Family Medicine* 2(1):13-21.
10. Jones-Engel L, Engel GA, Schillaci MA, Kyes K, Froehlich J, Papatungan U, Kyes RC. 2004. Prevalence of enteric parasites in pet macaques in Sulawesi, Indonesia. *American Journal of Primatology* 62:71-82.
9. Schillaci MA. 2003. The development of population diversity in Chaco Canyon. *Kiva* 68:221-245.
8. Schillaci MA, Stojanowski CM. 2003. Postmarital residence and biological variation at Pueblo Bonito. *American Journal of Physical Anthropology* 120(1):1-15.

7. Froehlich JW, Schillaci MA, Jones-Engel L, Froehlich DJ, Pullen B. 2003. A Sulawesi beachhead by longtail macaques (*Macaca fascicularis*) on Kabaena Island, Indonesia. *Anthropologie* 41(1-2):67-74.
6. Schillaci MA, Stojanowski CM. 2002. A reassessment of matrilocality in Chacoan culture. *American Antiquity* 67:343-356.
5. Engel GA, Jones-Engel L, Schillaci MA, Suaryana KG, Putra A, Fuentes A, Henkel, R. 2002. Human exposure to Herpes B seropositive macaques in Bali, Indonesia. *Emerging Infectious Diseases* 8(8):789-795.
4. Schillaci MA, Jones-Engel L, Heidrich JE, Miller, GP, and Froehlich, JW. 2001. Field methodology for lateral cranial radiography of nonhuman primates. *American Journal of Physical Anthropology* 116(4):278-284.
3. Schillaci MA, Froehlich JW. 2001. Nonhuman primate hybridization and the taxonomic status of Neanderthals. *American Journal of Physical Anthropology* 115(2):157-166.
2. Jones-Engel L, Engel GA, Schillaci MA, Babo R, Froehlich JW. 2001. Detection of antibodies to selected human pathogens among wild and pet macaques in Sulawesi, Indonesia. *American Journal of Primatology* 54(3):171-178.
1. Schillaci MA. 1999. A case of coccidioidomycosis from the prehistoric American Southwest. *Journal of Paleopathology* 11(1):41-52.

#### *Chapters in edited books*

7. Schillaci MA, Wichmann S. 2016. The use of linguistic data in bioarchaeological research: an example from the American Southwest. In Mant M, and Holland A. (eds). *Beyond the bones. engaging with disparate datasets*. Amsterdam: Academic Press. pp. 101-112.
6. Schillaci MA, Gunz P. 2013. Multivariate quantitative methods in Paleoanthropology. In Begun DR (ed). *A Companion to Paleoanthropology*. Blackwell Publishing, pp. 75-96.
5. Schillaci MA, Engel GA, Fuentes A, Rompis A, Putra A, Wandia IN, Bailey JA, Brogdon BG, Jones Engel L. 2010. The not-so-sacred monkeys of Bali: A radiographic study of human-primate commensalisms. In Gursky-Doyen S, and Supriatna J. (eds). *Indonesian Primates*. New York: Springer. pp. 249-256.
4. Jones-Engel L, Schillaci MA, Engel GA, Papatungan U, and Froehlich J. 2005. Characterizing primate pet ownership in Sulawesi: implications for disease transmission. In *Primate Commensalism: The primate-human interface*. J. Patterson and J. Wallis (Eds). Special Topics in Primatology, Vol 4. American Society of Primatologists. pp. 196-221
3. Jones-Engel L, Schillaci MA, Engel G. 2003. Human-nonhuman primate interactions: an ethnoprimateological approach. In: Setchell J, Curtis D. (eds). *Field methods in Primatology*. Cambridge: Cambridge University Press. pp. 15-24.

2. Schillaci MA, Stojanowski CM. 2002. Investigating postmarital residence at Aztec Pueblo using determinant ratio analysis. In: Wiseman RN, O’Laughlin TC, Snow CT. (eds): *Forward Into the Past.: Papers in Honor of Teddy Lou and Francis Stickney*. Archaeological Society of New Mexico, No 28. pp 93-104.
1. Schillaci MA, Ozolins E, Windes TC. 2001. A multivariate assessment of biological relationships among prehistoric southwest Amerindian populations. In Wiseman RN, O’Laughlin TC, Snow CT. (eds): *Following Through: Papers in Honor of Phyllis S. Davis*. Archaeological Society of New Mexico, No 27, pp. 133-149.

## MANUSCRIPTS IN PREPARATION OR REVIEW

Dewar G, Schillaci MA, Ginter J, Sealy J. Investigating identity through bioarchaeology: the Lucier mortuary complex. (in revision)

Schillaci MA, Schillaci ME. Sample size and accuracy: estimating the probability that the sample variance is within a specified fraction of the population variance for a normal distribution. (in revision)

## NON-REFEREED PUBLICATIONS

- Schillaci MA, Stojanowski CM. 2017. Comment on “The Bioarchaeology of Kinship: Proposed Revisions to Assumptions Guiding Interpretation“ by Ensor BD, Irish JD, Keegan WF. *Current Anthropology* 58(6):755-756.
- Schillaci MA, Lakatos SA. 2017. More work needed on prehistoric turkey DNA variation in the Southwest. A comment on Kemp BM, Judd K, Monroe C, Eerkens JW, Hilldorfer L, Cordray C, Schad R, Reams E, Ortman SG and Kohler TA. 2017. Prehistoric mitochondrial DNA of domesticated animals supports a 13th century exodus from the northern US southwest. *PloS One* 12(7), p.e0178882. Comment posted: <http://journals.plos.org/plosone/article/comments?id=10.1371/journal.pone.0178882>
- Association for Political and Legal Anthropology, Spillover Discussion ”Response to comments from Linda Cordell & Keith Kintigh, and Stephan Ousley” 2011. ([http://www.aaanet.org/sections/apla/schillaci\\_and\\_bustard\\_response\\_CordellKintigh](http://www.aaanet.org/sections/apla/schillaci_and_bustard_response_CordellKintigh).[http://www.aaanet.org/sections/apla/schillaci\\_and\\_bustard\\_response\\_ousley.html](http://www.aaanet.org/sections/apla/schillaci_and_bustard_response_ousley.html))
- Michael A. Schillaci. 2001. Investigating gene flow and migration in the prehistoric American Southwest: Pueblo IV/Classic Period sites from New Mexico. *NewsMAC* 2001 (1):7-9. Newsletter of the New Mexico Archaeological Council.

## BOOK REVIEWS

- Schillaci MA. 2013. “Winds from the North: Tewa Origins and Historical Anthropology” by Scott G. Ortman. *American Journal of Physical Anthropology* 153:162-163
- Schillaci MA. 2003. “A Guide to Careers in Physical Anthropology” edited by Alan S. Ryan *Journal of Anthropological Research* 59:134-135.

PRESENTED PAPERS AND POSTERS (since awarded PhD)

- 2017 Schillaci MA, Stricker CA, Lintlop J, Sumra M, Jones-Engel L. Preliminary analysis of the relationship between hair cortisol and stable carbon and nitrogen isotope ratios in Barbary macaques (*Macaca sylvanus*) from Gibraltar. Paper presented at the 45<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Edmonton, Alberta, October 25<sup>th</sup>-28<sup>th</sup>.
- 2015 Schillaci MA, Kopriv C, Wichmann S, Dewar G. The use of linguistic data in the study of Northern Iroquoian prehistory. Circles of Interaction: The Wendat and their neighbours in the time of Champlain. Paper presented at the joint symposium of the Ontario Archaeological Society and the Eastern States Archaeological Federation. Midland, Ontario, Oct. 16<sup>th</sup>-18<sup>th</sup>.
- 2015 Schillaci MA, Wichmann S. The use of linguistic data in bioarchaeological research: an example from the American Southwest. *Am J Phys Anthropol* 156(S60): 278. Poster presented at the 84th annual meeting of the American Association of Physical Anthropologists. St. Louis, Missouri, March 25th-28th.
- 2015 Schillaci MA, Dewar G. Biological relationships of the Western Basin Tradition revealed by biodistance analysis. Paper presented at the 43<sup>rd</sup> annual meeting of the Canadian Association for Physical Anthropology, Winnipeg, Manitoba, Canada, October 28<sup>th</sup>-31<sup>st</sup>
- 2014 Schillaci MA, Klegarth A, Switzer WM, Shattuck M, Jones Engel L, Hollocher H. Evolutionary relationships of long-tailed macaques (*Macaca fascicularis fascicularis*) from Singapore revealed by detailed phylogenetic analyses of mitochondrial DNA sequences. Paper presented at the 42<sup>nd</sup> annual meeting of the Canadian Association for Physical Anthropology, Fredericton, New Brunswick, Canada, November 6<sup>th</sup>-9<sup>th</sup>
- 2012 Schillaci MA, JM Castellini, Jones-Engel L, Lee BPY-H, O'Hara T. "Hair  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  Values in Long-tailed Macaques (*Macaca fascicularis*) from Singapore. Paper presented at the 40<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Victoria, Canada, November 7<sup>th</sup>-10<sup>th</sup>
- 2011 Schillaci MA, Reid MJ, Begun DR. "Metric analysis of the dentition of a fossil orangutan from Vietnam. Paper presented at the 39<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Montreal, Canada, October 26<sup>th</sup>-29<sup>th</sup>
- 2010 Schillaci MA, Lee BO Y-H, Castellini JM, Reid MJ, O'Hara TM. "Hair lead concentrations in *Macaca fascicularis* from Singapore. Paper presented at the 38<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Saskatoon, Saskatchewan.
- 2010 Schillaci MA, Nikitovic D, Tripp L. Juvenile growth in prehistoric-early historic Pueblo Indians. *Am J Phys Anthropol* 141(S50): 207
- 2009 Schillaci MA. Analysis of the biological relationships of the northern Rio Grande population. Annual Meeting of the New Mexico Archaeological Society, Albuquerque, New Mexico.
- 2009 Schillaci MA, Bustard WJ, Vlak D. Identifying the descendents of the Chaco Anasazi. *Am J Phys Anthropol* 138(S48): 229.
- 2008 Schillaci MA, Schillaci ME. "Estimating how well small samples represent the underlying population. Paper presented at the 36<sup>th</sup> annual meeting of the Canadian Association for

- Physical Anthropology, Hamilton, Ontario. November 5<sup>th</sup>-8<sup>th</sup>
- 2006 Schillaci MA, Jones-Engel L, Lee B, Fuentes A, Engel G, Aggimarangsee N. A comparative study of the growth and morphology of the Singapore macaques (*Macaca fascicularis*). *Am J Phys Anthropol* 129(S42): 159.
- 2006 Schillaci MA. "Sexual selection and the evolution of brain size in primates" Paper presented at the 34<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Peterborough, Ontario.
- 2004 Schillaci MA, Jones-Engel L, Engel G, Paramas Y, Grant R. "Prevalence of select simian retroviruses in a sample of street performance monkeys from Jakarta, Indonesia" Paper presented at the 32<sup>nd</sup> annual meeting of the Canadian Association for Physical Anthropology, London, Ontario.
- 2004 Schillaci MA, Lakatos S. "A study of the relationship between biological and architectural dissimilarities among a sample of archaeological sites from the American Southwest". Paper presented at the annual meeting of the Society for American Archaeology, Montreal, Quebec.
- 2003 Schillaci MA, Nystrom KC. "A Possible case of rhinocerebral mycosis from the prehistoric American Southwest" Poster presented at the 31<sup>st</sup> annual meeting of the Canadian Association for Physical Anthropology, Edmonton, Alberta.
- 2003 Schillaci MA, Jones-Engel L, Lee B, Froehlich JW. "A preliminary assessment of body mass and growth among the free-ranging long-tailed macaques (*Macaca fascicularis*) of Singapore". Paper presented at the 30<sup>th</sup> annual meeting of the Canadian Association for Physical Anthropology, Edmonton, Alberta.
- 2002 Schillaci MA, Stojanowski CM. Regional patterns of sex-specific gene flow among the prehistoric Tewa Indians of north-central New Mexico. *Am J Phys Anthropol* 117(S34):136.

#### INVITED PRESENTATIONS AND LECTURES

- 2010 The role of physical anthropology in determining cultural affiliation: a case study from the American Southwest. Presentation given to Dept. of Anthropology, University of New Mexico.
- 2006 Morphology and growth in Singapore's macaques. Presentation given to the National Parks Singapore, Bukit Timah Nature Reserve, Singapore.
- 2006 Bidirectional disease transmission in Southeast Asia. Presentation given to the Department of Anthropology, University of Western Ontario.
- 2006 Bidirectional disease transmission in Southeast Asia. Presentation given to the Department of Anthropology, McMaster University
- 2005 Craniometric approaches to the study of genetic variation within and among prehistoric populations: examples from the American Southwest. Lecture given to the paleogenetics internship program, Lakehead University. May, 2005.
- 2002 Bidirectional pathogen transmission between human and nonhuman primates in Indonesia. Presentation given to the HIV and Retroviral Laboratories of Health Canada, Ottawa. Dec. 2002

## TEACHING

### *Undergraduate courses*

- 2004 – 2007 Evolution and Human Emergence (ANT A01, 1<sup>st</sup> year course), taught 4 times
- 2003 – 2021 Human Evolution (ANT B14, 2nd year course), taught 19 times
- 2004 Human Variation and Adaptation (ANT B15, 2<sup>nd</sup> year course)
- 2005 – 2019 Human and Primate Osteology (ANT C47, 3<sup>rd</sup> year course), taught 12 times
- 2006 Quantitative Methods in Anthropology (ANT C35, 3<sup>rd</sup> year course)
- 2014, 2015 Advanced Human Osteology (ANT C48, 3<sup>rd</sup> year course), taught 2 times
- 2008 – 2020 Medical Primatology (ANT D25, 4<sup>th</sup> year course), taught 8 times
- 2009 – 2020 Medical Osteology (ANT D17, 4<sup>th</sup> year course), taught 7 times

### *Graduate courses*

- 2003 Advanced Topics in Osteology (ANT3010)
- 2004 – 2019 Evolutionary Perspectives on Growth and Development (ANT3041), taught 6 times
- 2005 Theoretical Paradigms and Case Studies (ANT1000, Required Course)
- 2006 – 2020 Quantitative Methods II (ANT1099), taught 7 times
- 2016 Evolutionary Anthropology (ANT3047)

## GRADUATE STUDENT SUPERVISION

### *PhD Students*

- 2017-present Chris Kendall. Primate hybridization. (co-supervisor with Dr. B.Viola) (Awarded NSERC Alexander Graham Bell CGS-D external scholarship)
- 2013-2019 Monika Sumra. The alpha female as a socially constructed identity (Awarded: OGS external fellowship [yr. 4])
- 2008-2017 Dejana Nikitovic. The social construction of child identity in the American Southwest. (International student not eligible for Tri-council funding)
- 2014-2016 Erica Tennenhouse. Unique lemur traits: proximate and ultimate perspectives. (Awarded NSERC PGS-D external scholarship)
- 2009-2016 Sandra Romain. The Delivery of Pharmaceutical Health Care in Nunavut, Canada: Language, Culture and Policy. (Awarded CIHR PGS-M and OGS external fellowships)
- 2006-2016 Michael Reid. Infectious agent evolution in Bornean Orangutans. (Awarded NSERC PGS-D and OGS external fellowships)

*Masters Students*

- 2018-2020 James Gibb (MSc) Research Paper: Health Consequences of Social Adversity among Gender and Sexual Minorities Living in Southern Ontario.
- 2016-2018 Madeline McCuaig (MSc) Research Paper: Indicators of non-specific stress and their relationship to survivorship in Puebloan populations.
- 2014-2016 Chris Kendall (MSc) Research Paper: The genetic ancestry of two culturally enigmatic, pre-contact populations from North America (co-advisor with Dr. G. Dewar)
- 2013-2014 Denise Achacon (MA) Research Paper: West Nile Virus in Ontario Primates
- 2011-2013 Monika Sumra (MSc) Research Paper: Stress and the multiple-role woman: taking a closer look at the “Superwoman” (Awarded SSHRC PGS-M [yr. 2] & OGS [yr. 1] external scholarships)
- 2009-2011 Alessandra Sztrimbely (MSc) Research Paper: International repatriation of human remains: an investigation from the perspectives of anthropology and legal theory.
- 2007-2009 Adam Veroni (MSc) Research Paper: Ecogeographical variation in skeletal nasal-maxillary projection (Awarded SSHRC PGS-M external scholarship)
- 2007-2009 Lianne Tripp (MSc) Research Paper: Revisiting human sex differences in hand and foot bone lengths and sexual dimorphism of metacarpals in Catarrhine primates.
- 2007-2009 Sarah Swayze (MSc) Research Paper: Paleopathology at Arroyo Hondo Pueblo.
- 2005-2007 Sean Blanchard (MSc) Research Paper: Interpretation of health indicators from human skeletal remains in the pre- and proto-historic American Southwest. (SSHRC CGS-M external scholarship)

*External Examiner*

- 2020 Emily Peschel, *Mobility at the Center of the Viking World* (University of Calgary)

PROFESSIONAL AFFILIATIONS AND SERVICE

- Member of the Canadian Association for Physical Anthropology
- Member of the American Association of Physical Anthropologists
- Editorial Board for the journal *Primates* 2018-present
  
- Ad hoc grant reviews
  - 2015 Social Sciences and Humanities Research Council (SSHRC) Insight Grant
  - 2015 Leakey Foundation Research Grant
  - 2013 Social Sciences and Humanities Research Council (SSHRC) Insight Grant
  - 2011 American Association of Physical Anthropologists Professional Development Grant

2010 Natural Sciences and Engineering Research Council (NSERC) Discovery Grant  
2010 National Science Foundation, U.S.A. (NSF)

- Ad hoc Manuscript Reviews (number of times reviewed for):

American Journal of Physical Anthropology (8), American Journal of Primatology (8), Journal of Human Evolution (3), American Journal of Human Biology (3), Current Anthropology (3), PLoS One (3), Primates (3), International Journal of Primatology (2), Journal of Anatomy (2), Journal of Biogeography (2), Biological Journal of the Linnean Society (2), Homo (2), Canadian Family Physician (2), Canadian Journal of Zoology (2), International Journal of Osteoarchaeology (2), Proceedings of the National Academy of Science USA (1), EcoHealth (1), Naturwissenschaften (1), Latin American Antiquity (1), Annals of Human Biology (1), Social Science and Medicine (1), Mammalia (1), International Journal of Sociology and Anthropology (1), Evolution (1), World Journal of Pediatrics (1), International Journal of Sociology and Anthropology (1), Raffles Journal of Zoology (1), Journal of the American Association of Laboratory Animal Science (1), Journal of Health Care for the Poor and Underserved (1), American Antiquity (1), Ecology and Evolution (1), Heredity (1), Zoonoses and Public Health (1), Biodiversitas (1), Animal Biology (1), Journal of Archaeological Science: Reports (1)

## PRESS AND MEDIA

- 2017 The journal *Primates* 2017 Most-Cited Paper Award. *Primates* (2017) 58:549.  
<https://link.springer.com/article/10.1007/s10329-017-0622-y>
- 2017 Interviewed by Smithsonian.com about research on the evolution of brain size in primates. <http://www.smithsonianmag.com/science-nature/what-really-made-primate-brains-so-big-180962717/>
- 2015 Interviewed by New Scientist about discovery of a possible new species of macaque in Asia. <https://www.newscientist.com/article/dn27317-new-monkey-species-revealed-thanks-to-distinctive-penis#.VSfqwcJ0w5t>
- 2014 Interviewed by Science News about brain size and sexual selection.  
<https://www.sciencenews.org/article/rivalry-helps-fruit-flies-maintain-brainpower>
- 2008 Press coverage of my *Journal of Human Evolution* article on human cranial diversity by the Australian Broadcasting Corporation's (ABC) science web page (<http://www.abc.net.au/science/articles/2008/03/17/2191676.htm>)
- 2007 Interviewed on CBC's "The Hour" on the topic of interbreeding between human and chimp ancestors.