

SHARON N. DEWITTE**CURRICULUM VITAE**

Institute of Behavioral Science & Department of Anthropology
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RESEARCH INTERESTS: Biological anthropology, paleodemography, paleoepidemiology, paleopathology, bioarchaeology, osteology, infectious diseases epidemiology and evolution, diet, migration, urbanization

EDUCATION AND PROFESSIONAL HISTORY**ACADEMIC EXPERIENCE**

2023-present Professor, Institute of Behavioral Science and Department of Anthropology, University of Colorado, Boulder
2020-2023 Distinguished Professor, Department of Anthropology, University of South Carolina, Columbia
2014-2019 Associate Professor, Department of Anthropology, University of South Carolina, Columbia
2011-2014 Assistant Professor, Department of Anthropology, University of South Carolina, Columbia
2006-2011 Assistant Professor, Anthropology Department & Human Biology Program, University at Albany, SUNY
2005-2006 Assistant Professor (non-tenure-track), Sociology/Anthropology Department, Shippensburg University

EDUCATION

2006 Ph.D., Anthropology, The Pennsylvania State University (Chair: James Wood).
Dissertation: The Paleodemography of the Black Death 1347-1351.
2001 M.A., Anthropology, The Pennsylvania State University
1999 B.A., Anthropology (Summa Cum Laude), Sonoma State University, CA
1996 A.A., Anthropology (Honors), Santa Rosa Junior College, CA

ACADEMIC AWARDS AND HONORS

2021 American Association for the Advancement of Science Fellow
2017 & 2023 University of South Carolina Office of Student Disability Services Two Thumbs Up Award
2014 Peter and Bonnie McCausland Fellow of Anthropology, University of South Carolina
2014 University of South Carolina Breakthrough Star
2000 National Science Foundation Graduate Research Fellowship Competition Honorable Mention

SCHOLARSHIP**FELLOWSHIPS AND RESEARCH GRANTS RECEIVED (EXTRAMURAL)**

2021-2025 National Science Foundation: "Paleodemographic and ancient DNA study of a potential epidemic site." Co-PI, with PI Qian Wang (BCS-2040388, 9% of \$309,983 budget)
2020-2023 National Science Foundation: "Host immunological characteristics and disease experience in past human populations." Co-PI, with PI Molly Zuckerman (BCS –

- 1946203, 6% of \$260,000 budget)
- 2020-2022 New Frontiers in Research Fund – Exploration 2019: “Ancient memory: Reconstructing the antibody repertoires of ancient humans to probe infectious diseases of the past.” Co-Applicant, with PI Hendrik Poinar (NFRFE-2019-00505; 0% of \$250,000 CAD budget)
- 2019-2020 National Science Foundation: “Workshop on 21st Century Bioarchaeology.” Co-PI, with PI Jane Buikstra (BCS- 1916946, 0% of \$49,964 budget).
- 2018-2020 National Science Foundation: “EAGER: Osteoimmunology as a new frontier in treponemal infection.” Co-PI, with PI Fabian Crespo and co-PI Molly Zuckerman (BCS-1830154, 0% of \$59,240 budget)
- 2017-2021 National Science Foundation: “SBE-RCUK: Diet, Migration, and Health in the Context of Medieval Mortality Crises.” PI, with Julia Beaumont and Janet Montgomery (BCS-1722491, \$162,460; + £119,934 from RCUK)
- 2016-2018 The Wenner-Gren Foundation Post-PhD Research Grant: “Diet and Health in the Context of Medieval Mortality Crises.” PI (#9229, \$19,800)
- 2013-2016 National Science Foundation: “The Medieval Black Death: Analysis of the Demographic, Health, and Social Consequences of a Historic Emerging Disease.” PI (BCS-1261682, \$107,722).
- REG supplement (2015, BCS- 1539502), \$4990. Samantha Yaussy, co-PI.
- 2012-2013 American Association of Physical Anthropologists Cobb Professional Development Grant: “Paleoepidemiology of Historic Plague Epidemics: the Dynamics of an Ancient Emerging Disease.” PI (\$5000)
- 2012 School for Advanced Research (SAR) Ethel-Jane Westfeldt Bunting Fellowship “The Dynamics of an Ancient Emerging Disease: Demographic and Health Consequences of Medieval Plague.” PI
- 2011-2012 The Wenner-Gren Foundation Post-PhD Research Grant: “The Black Death: Analysis of the Mortality Patterns and Causative Agent of a Medieval Emerging Disease.” PI (#8247, \$20,000)
- 2009 American Association of University Women American Fellowship: Summer/Short-Term Research Publication Grant: “Biological Sex and Health: Analysis of the Relationships Among Skeletal Indicators of Stress, Biological Sex, and Selective Mortality in Medieval Europe.” PI (\$6000)
- 2005-2006 National Science Foundation Doctoral Dissertation Improvement Grant: “Paleoepidemiological Studies of the Black Death.” Co-PI with PI James Wood (BCS-0406252, \$3173).
- 2004-2005 The Wenner-Gren Foundation Individual Research Grant: “Paleoepidemiological and Molecular Studies of the Black Death.” PI (#7142, \$8248)
- 2002-2003 American Scandinavian Foundation Fellowship: “Paleodemographic and Molecular Analyses of an Ancient Pathogen: Syphilis in Late Fifteenth-Century Denmark.” PI (\$16,000)

RESEARCH GRANTS RECEIVED WITH STUDENT CO-PIs (EXTRAMURAL)

- 2021-2022 NSF Doctoral Dissertation Research: “Histories of Stress: A Life Course Approach.” PI, with co-PI Emily Brennan (BCS-2120106; \$22,753)
- 2021-2022 NSF Doctoral Dissertation Research: “Demographic Patterns of Human Frailty.” PI, with co-PI Allison Ham (BCS-2120102; \$25,194)
- 2017-2018 NSF Doctoral Dissertation Research: “The Intersections of Health and Wealth:

- Socioeconomic Status, Frailty, and Mortality.” PI, with co-PI Samantha Yaussy (BCS-1649757; \$24,074)
- 2015-2016 NSF Doctoral Dissertation Research: “Paleodemographic Analysis of Urbanization, Famine and Mortality.” PI, with co-PI Brittany Walter (BCS-1540208; \$19,404)
- 2011-2012 NSF Doctoral Dissertation Improvement Grant: “Body Size and Mortality in Post-Medieval England.” PI, with co-PI Gail Hughes-Morey (BCS-1060716; \$17,069)

RESEARCH AND TEACHING GRANTS RECEIVED (INTRAMURAL)

- 2016-2018 University of South Carolina Provost Social Sciences Grant “Dietary Effects on Medieval Health and Demography,” PI (\$19,913)
- 2016-2017 University of South Carolina Advanced Support for Innovative Research Excellence (ASPIRE) Grant: “Plague, Famine, and Bedlam: Health and Survival in the Context of Historic Mortality Crises,” PI (\$14,980)
- 2016 University of South Carolina Provost Teaching Innovation Grant in Distributed Learning Course Development, PI (\$7413)
- 2012-2014 University of South Carolina Provost Social Sciences Grant: “Paleodemographic and Paleogenomic Analyses of the Medieval Black Death,” PI (\$20,000)
- 2012 University of South Carolina Provost Visiting Scholars Grant: “Building Collaborations in Bioarchaeology and Forensic Anthropology.” Co-PI (with PI Charles Cobb)
- 2011 University at Albany Faculty Research Award: “Metagenomic Sequencing of the Medieval Black Death Pathogen” (\$9012; declined)
- 2010 Center for Social and Demographic Analysis Junior Researcher Award, University at Albany: “Pilot Study: Paleodemographic and Molecular Analyses of 17th-century Mass Graves” (\$5000)
- 2010 New York State/United University Professions Dr. Nuala McGann Drescher Leave Program Award
- 2009 University at Albany Faculty Research Award: “Ancient DNA Analysis of the Cause of the 14th-Century Black Death” (\$3000)
- 2008 University at Albany, Anthropology Department Faculty Research Award: “Training in Ancient DNA Techniques: Analysis of Medieval Black Death Skeletal Remains” (\$1863)
- 2007 University at Albany Faculty Research Award: “Pilot Study: Black Death Mortality and Paleodemographic Age-estimation Methods” (\$10,000)
- 2007 Center for Social and Demographic Analysis Junior Researcher Award, University at Albany: “Pilot Study: Black Death Mortality and Paleodemographic Age-estimation Methods” (\$5498)
- 2004 Research and Graduate Studies Office grant, The Pennsylvania State University
- 2004 Hill Foundation Fellowship, Anthropology Department, The Pennsylvania State University
- 2003 Baker Fund, Anthropology Department, The Pennsylvania State University

REFEREED JOURNAL ARTICLES (* STUDENT CO-AUTHOR)

68. DeWitte SN. 2024. Medieval monastic health: Variation in skeletal signs of inflammation and developmental stress between religious orders in London. *American Journal of Human Biology*. e24052.

67. Fefferman NH, McAlister JS, Akpa BS, Akwataghibe K, Azad FT, Barkley K, Bleichrodt A, Blum MJ, Bourouiba L, Bromberg Y, Candan KS, Chowell G, Clancey E, Cothran FA, **DeWitte SN**, Fernandez P, Finnoff D, Flaherty DT, Gibson NL, Harris N, He Q, Lofgren ET, Miller DL, Moody J, Muccio K, Nunn CL, Papes M, Paschalidis IC, Pasquale DK, Reed JM, Rogers MB, Schreiner CL, Strand EB, Swanson CS, Szabo-Rogers HL, Ryan SJ. 2023. A new paradigm for pandemic preparedness. *Current Epidemiology Reports*. <https://doi.org/10.1007/s40471-023-00336-w>
66. Wissler A, **DeWitte S**. 2023. Frailty and survival in the 1918 influenza pandemic. *Proceedings of the National Academy of Sciences*. 120:e2304545120
65. Redfern R, **DeWitte S**, Hefner J, and Kim D. 2023. Race, population affinity, and mortality risk during the Second Plague Pandemic in 14th London, England. *Bioarchaeology International*. doi.org/10.5744/bi.2022.0034
64. Yaussy SL, **DeWitte SN**, and Hughes-Morey G. 2023. The second epidemiological transition: Survivorship and industrialization in London. *American Journal of Biological Anthropology*. 181:646-652.
63. Simon M*, Zhang Q, Sikora M, Willmott H, **DeWitte S**, and Wang Q. 2023. In search of earliest records of endemic plague: Past research and new endeavors. *Asian Journal of Paleopathology*. 5:21-29.
62. Eaton K, Sidhu RK, Klunk J, Gamble J, Boldsen JL, Carmichael AG, Varlik N, Duchene S, Featherstone L, Grimes V, Golding GB, **DeWitte SN**, Holmes EC, and Poinar HN. 2023. Emergence, continuity and evolution of *Yersinia pestis* throughout medieval and early modern Denmark. *Current Biology*. doi.org/10.1016/j.cub.2023.01.064
61. Lewis CM, Akini MY, **DeWitte SN**, and Stone AC. 2023. Ancient pathogens provide a window onto health and well-being. *Proceedings of the National Academy of Sciences*. 120:e2209476119
60. Robbins Schug G, Buikstra JE, **DeWitte SN**, Baker BJ, Berger E, Buzon MR, Davies-Barrett AM, Goldstein LG, Grauer AL, Gregoricka LA, Halcrow SE, Knudson KJ, Larsen CS, Martin DL, Nystrom KC, Perry MA, Roberts CA, Santos AL, Stojanowski CM, Suby JA, Temple DH, Tung TA, Vlok M, Watson-Glen T, and Zakrzewski SR. 2023. Climate change, human health, and challenges to resilience in the Holocene. *Proceedings of the National Academy of Sciences*. 120:e2209472120
59. Klunk J, Vilgalys T, Demeure C, Cheng X, Shiratori M, Mari S, Madej J, Beau R, Elli D, Patino MI, Redfern R, **DeWitte SN**, Gamble JA, Boldsen JL, Carmichael A, Varlik N, Eaton J, Grenier J-C, Golding B, Devault A, Rouillard J-M, Yotova V, Sindeaux R, Ye CJ, Bikaran M, Dumaine A, Brinkworth JF, Missiakas D, Rouleau GA, Steinrücken M, Pizarro-Cerdá J, Poinar HN, and Barreiro LB. 2022. Black Death shaped the evolution of immune genes. *Nature*. <https://doi.org/10.1038/s41586-022-05349-x>
58. Brennan EJ* and **DeWitte SN**. 2022. Sexual stature difference fluctuations in pre- and post-Black Death London as an indicator of living standards. *American Journal of Human Biology*. 34: e23783. doi.org/10.1002/ajhb.23783
57. Ham AC*, and **DeWitte SN**. 2022. Pubertal timing as a measure of health and well-being and a bridge between past and present. *Bioarchaeology International*. DOI: 10.5744/bi.2022.0012
56. Buikstra JE, **DeWitte SN**, Agarwal SC, Baker BJ, Bartelink EJ, Berger E, Blevins KE*, Bolhofner K, Boutin AT, Brickley MB, Buzon MR, de la Cova C, Goldstein L, Gowland R, Grauer AL, Gregoricka LA, Halcrow SE, Hall SA*, Hillson S, Kakaliouras AM, Klaus HD, Knudson KJ, Knüsel CJ, Larsen CS, Martin DL, Milner GR, Novak M, Nystrom KC, Pacheco-Forés SI*, Prowse TL, Robbins Schug G, Roberts CA, Rothwell JE*, Santos AL, Stojanowski C, Stone AC, Stull KE, Temple DH, Torres CM, Toyne JM, Tung TA, Ullinger J, Wiltschke-Schrotta K, Zakrzewski SR. 2022. Twenty-first century bioarchaeology: Taking stock and

- moving forward. *Yearbook of Biological Anthropology*. 178:S74:54-114. doi.org/10.1002/ajpa.24494 (Among the most downloaded articles in the journal in 2022).
55. **DeWitte SN**, and Wissler A*. 2022. Demographic and evolutionary consequences of pandemic diseases. *Bioarchaeology International* 6:108-132.
 54. Kelmelis S, and **DeWitte SN**. 2021. Urban and rural survivorship in pre- and post-Black Death Denmark. *Journal of Archaeological Science: Reports* 38: 103089.
 53. **DeWitte SN**, and Betsinger TK. 2021. Toward a bioarchaeology of urbanization. *Yearbook of Physical Anthropology* 175:S72:79-118. doi.org/10.1002/ajpa.24249 (Among top most downloaded articles published in *YPA* in 2021).
 52. **DeWitte SN**, and Lewis M. 2021. Medieval menarche: Changes in pubertal timing before and after the Black Death. *American Journal of Human Biology* 33:e23439. (Among top-10 most downloaded articles published online in *AJHB* between 2019-2020; a top-cited paper among work published in an issue between 2021-2022).
 51. van Schaik KD, and **DeWitte SN**. 2020. Covid-19 and the Black Death: Nutrition, frailty, inequity, and mortality. *Journal of Health and Social Sciences* 5:471-484.
 50. Walter B, **DeWitte S**, Dupras T, and Beaumont J. 2020. Assessment of nutritional stress in famine burials using stable isotope analysis. *American Journal of Physical Anthropology* 172:214-226
 49. **DeWitte SN**, and Yaussy SL. 2020. Sex differences in adult famine mortality in medieval London. *American Journal of Physical Anthropology* 171:164-169.
 48. Redfern R, **DeWitte S**, Beaumont J, Millard A, and Hamlin C. 2019. A new method for investigating the relationship between diet and mortality: hazard analysis using dietary isotopes. *Annals of Human Biology* 46(5):378-387. (Winner of the Nick Norgan Award 2020).
 47. Klunk J, Duggan AT, Redfern R, Gamble J, Boldsen JL, Golding GB, Walter BS, Eaton K, Stangroom J, Rouillard J-M, Devaul A, **DeWitte S**, and Poinar HN. 2019. Genetic resiliency and the Black Death: no apparent loss of mitogenomic diversity due to the Black Death in medieval London and Denmark. *American Journal of Physical Anthropology* 169:240-252.
 46. Yaussy SL*, and **DeWitte SN**. 2019. Calculus and survivorship in medieval London: the association between dental disease and a demographic measure of general health. *American Journal of Physical Anthropology* 168: 552-565.
 45. Yaussy SL*, and **DeWitte SN**. 2018. Patterns of frailty in non-adults from medieval London. *International Journal of Paleopathology* 22:1-7.
 44. Redfern R, **DeWitte SN**, Montgomery J, and Gowland R. 2018. A novel investigation into migrant and host health-statuses in the past: a case-study from Roman Britain. *Bioarchaeology International* 2:20-43.
 43. **DeWitte SN**. 2018. Stress, sex, and plague: patterns of developmental stress and survival in pre- and post-Black Death London. *American Journal of Human Biology* 30:e23073. (Among top-20 most downloaded articles published in *AJHB* between 2016-2018).
 42. **DeWitte SN**. 2018. Demographic anthropology. *American Journal of Physical Anthropology* 165: 893-903. (Among top 10% most downloaded articles published in *AJPA* between 2018-2019).
 41. **DeWitte SN** and Kowaleski M. 2017. Black Death bodies. *Fragments* 6:1-37.
 40. Betsinger TR, and **DeWitte S**. 2017. Trends in mortality and biological stress in a medieval Polish urban population. *International Journal of Paleopathology* 19:24-36.
 39. **DeWitte SN**, and Yaussy SL*. 2017. Femur length and famine mortality in medieval London. *Bioarchaeology International* 1:41-52.
 38. Walter BS*, and **DeWitte SN**. 2017. Urban and rural mortality and survival in medieval England. *Annals of Human Biology* 44:338-348.

37. Redfern RC, Judd M, and **DeWitte S**. 2017. Multiple injury and health in past societies: an analysis of concepts and approaches, and insights from a multi-period study. *International Journal of Osteoarchaeology* 27:418-429.
36. Crespo FA, Klaes CK, Switala AE, and **DeWitte SN**. 2017. Do leprosy and tuberculosis generate a systemic inflammatory shift? Setting the ground for a new dialogue between experimental immunology and bioarchaeology. *American Journal of Physical Anthropology* 162:143-156.
35. **DeWitte SN**. 2016. Archaeological evidence of epidemics can inform future epidemics. *Annual Review of Anthropology* 45: 63-77.
34. **DeWitte S**, Kurth M, Allen C, and Linkov I. 2016. Disease epidemics: lessons for resilience in an increasingly connected world. *Journal of Public Health* 39: 254–257.
33. Yaussy SL*, **DeWitte SN**, and Redfern RC. 2016. Frailty and famine: Patterns of mortality and physiological stress among victims of famine in medieval London. *American Journal of Physical Anthropology* 160:272-283.
32. Walter B*, **DeWitte SN**, and Redfern RC. 2016. Sex differentials in caries frequencies in medieval London. *Archives of Oral Biology* 63:32-39.
31. **DeWitte SN**, Hughes-Morey G, Bekvalac J, and Karsten J*. 2016. Wealth, health, and frailty in Industrial-era London. *Annals of Human Biology* 43:241-54.
30. **DeWitte SN**. 2015. Setting the stage for medieval plague: pre-Black Death trends in survival and mortality. *American Journal of Physical Anthropology*. 158:441-451.
29. **DeWitte SN**, and Stojanowski CM. 2015. The Osteological Paradox twenty years later: past perspectives, future directions. *Journal of Archaeological Research* 23:397-450.
28. Redfern R, **DeWitte SN**, Pearce J, Hamlin C, and Egging Dinwiddy K. 2015. Urban-rural differences in Roman Dorset, England: a bioarchaeological perspective on Roman settlements. *American Journal of Physical Anthropology* 157:107-120.
27. **DeWitte SN**. 2015. Bioarchaeology and the ethics of research using human skeletal remains. *History Compass* 13: 10-19.
26. **DeWitte SN**. 2014. The anthropology of plague: Insights from bioarchaeological analyses of epidemic cemeteries. *The Medieval Globe* 1:97-124.
25. **DeWitte SN**. 2014. Health in post-Black Death London (1350-1538): Age patterns of periosteal new bone formation in a post-epidemic population. *American Journal of Physical Anthropology* 155:260-267.
24. **DeWitte SN**. 2014. Differential survival among individuals with active and healed periosteal new bone formation. *International Journal of Paleopathology*. 7:38-44.
23. **DeWitte SN**. 2014. Mortality risk and survival in the aftermath of the medieval Black Death. *PLoS ONE* 9(5): e96513. (#7 *PLoS ONE* article in 2014 based on article-level metrics).
22. Parker D, Wood J, Tomita S, **DeWitte S**, Jennings J, and Cui L. 2014. Household ecology and out-migration among ethnic Karen along the Thai-Myanmar border. *Demographic Research* 30:1129-1156.
21. Devault AM, McLoughlin K, Jaing C, Gardner S, Porter TM, Enk JM, Thissen J, Allen J, Borucki M, **DeWitte SN**, Dhody AN, and Poinar HN. 2014. Ancient pathogen DNA in archaeological samples detected with a Microbial Detection Array. *Nature Scientific Reports* 4:4245.
20. Wagner DM, Klunk J, Harbeck M, Devault A, Waglechner N, Sahl JW, Enk J, Birdsall DN, Kuch M, Lumibao C, Poinar D, Pearson T, Fourment M, Golding B, Riehm JM, Earn DJD, **DeWitte S**, Rouillard J-M, Grupe G, Wiechmann I, Bliska JB, Keim PS, Scholz HC, Holmes EC, and Poinar H. 2014. *Yersinia pestis* and the Plague of Justinian: a genomic analysis. *The Lancet Infectious Diseases* 14:319-326.

19. **DeWitte SN**, Boulware JC*, and Redfern RC. 2013. Medieval monastic mortality: hazard analysis of mortality differences between monastic and non-monastic cemeteries in England. *American Journal of Physical Anthropology* 152:322-332.
18. **DeWitte SN** and Slavin P. 2013. Between famine and death. Physiological stress and dairy deficiency in England on the eve of the Black Death (1315-50): New Evidence from Paleoepidemiology and Manorial Accounts. *Journal of Interdisciplinary History* 44:37-61.
17. Bos K, Stevens P, Nieselt K, Poinar H, **DeWitte SN**, and Krause K. 2012. *Yersinia pestis*: New evidence for an old infection. *PLoS ONE* 7:e49803.
16. **DeWitte SN**. 2012. Sex differences in periodontal disease in catastrophic and attritional assemblages from medieval London. *American Journal of Physical Anthropology* 149:405-416.
15. **DeWitte SN** and Hughes-Morey G. 2012. Stature and frailty during the Black Death: the effect of stature on risks of epidemic mortality in London, A.D. 1348-1350. *Journal of Archaeological Science* 39:1412-1419.
14. Jones EE, and **DeWitte SN**. 2012. Using spatial analysis to estimate depopulation ratios for Native American populations from Northeastern North America, AD 1616–1645. *Journal of Anthropological Archaeology* 31:83-92.
13. **DeWitte SN** and Bekvalac J. 2011. The association between periodontitis and periosteal lesions in the St. Mary Graces Cemetery, London, England A.D. 1350-1538. *American Journal of Physical Anthropology* 146:609-618.
12. Bos KI, Schuenemann VJ, Golding GB, Burbano HA, Waglechner N, Coombes BK, McPhee JB, **DeWitte SN**, Myer M, Schmedes S, Wood J, Earn DJD, Herring DA, Bauer P, Poinar HN, and Krause J. 2011. A draft genome of *Yersinia pestis* from victims of the Black Death. *Nature* 478:506-510.
11. Schuenemann VJ, Bos K, **DeWitte S**, Schmedes S, Jamieson J, Mitnik A, Forrest S, Coombes BK, Wood JW, Earn DJD, White W, Krause J, and Poinar HN. 2011. Targeted enrichment of ancient pathogens yielding the pPCP1 plasmid of *Yersinia pestis* from victims of the Black Death. *Proceedings of the National Academy of Sciences* 108:E746-E752.
10. Redfern RC and **DeWitte SN**. 2011. Status and health in Roman Dorset: the effect of status on risk of mortality in post-Conquest populations. *American Journal of Physical Anthropology* 146:197-208.
9. Redfern RC, and **DeWitte SN**. 2011. A new approach to the study of Romanization in Britain: a regional perspective of cultural change in late Iron Age and Roman Dorset using the Siler and Gompertz-Makeham models of mortality. *American Journal of Physical Anthropology* 144:269-285.
8. **DeWitte SN**. 2010. Age patterns of mortality during the Black Death in London, A.D. 1349-1350. *Journal of Archaeological Science* 37:3394-3400.
7. **DeWitte SN**. 2010. Sex differences in frailty in medieval England. *American Journal of Physical Anthropology* 143:285-297.
6. **DeWitte SN** and Bekvalac J. 2010. Oral health and frailty in the medieval English cemetery of St. Mary Graces. *American Journal of Physical Anthropology* 142:341-354. (5th most accessed *AJPA* article in 2010).
5. **DeWitte SN**. 2009. The effect of sex on risk of mortality during the Black Death in London, A.D. 1349-1350. *American Journal of Physical Anthropology* 139:222-234.
4. Gage TB, and **DeWitte SN**. 2009. What do we know about the agricultural demographic transition? *Current Anthropology* 50:649-655.
3. **DeWitte SN**, and Wood JW. 2008. Selectivity of Black Death mortality with respect to pre-existing health. *Proceedings of the National Academy of Sciences* 105:1436-1441.
2. Wood JW, Ferrell RJ, and **DeWitte-Aviña SN**. 2003. The temporal dynamics of the fourteenth-century Black Death: New evidence from English ecclesiastical records. *Human Biology* 75:427-

448.

1. Wood JW, and **DeWitte-Aviña SN**. 2003. Was the Black Death yersinia plague? *The Lancet Infectious Diseases* 3:327-328.

REFEREED CHAPTERS

14. **DeWitte SN**, Wang Z, and Kelmelis S. 2022. Plagues and pandemics. In Grauer A (Ed) *The Routledge Handbook of Paleopathology*. Abingdon, UK: Routledge. p. 576-592.
13. **DeWitte SN**. 2022. Survival in the context of urbanization and environmental change in medieval and post-medieval London, England. In Jones L (Ed) *Disease and the Environment in the Medieval and Early Modern Worlds*. Abingdon, UK: Routledge. p. 184-205.
12. Bos K, and **DeWitte SN**. 2022. Human resistance and the evolution of plague in Medieval Europe. In Plomp KA, Roberts CA, Elton S, and Bentley GR (Eds.) *Palaeopathology and Evolutionary Medicine*. Oxford University Press. p. 138-154.
11. **DeWitte SN**, and Yaussy SL. 2020. Bioarchaeological applications of intersectionality. In Cheverko C, Prince-Buitenhuis J, and Hubbe M (Eds) *Theoretical Approaches in Bioarchaeology*. Abingdon, UK: Routledge. p. 45-58.
10. **DeWitte SN**, and Betsinger TK. 2020. Introduction to the Bioarchaeology of Urbanization. In Betsinger TK, and DeWitte SN (Eds) *The Bioarchaeology of Urbanization: The Biological, Demographic, and Social Consequences of Living in Cities*. New York, NY: Springer. p. 1-21.
9. Betsinger TK, **DeWitte SN**, Justus H, and Agnew AM. 2020. Frailty, survivorship, and stress in medieval Poland: A comparison of urban and rural populations. In Betsinger TK, and DeWitte SN (Eds) *The Bioarchaeology of Urbanization: The Biological, Demographic, and Social Consequences of Living in Cities*. New York, NY: Springer. p. 223-243.
8. Walter BS, **DeWitte SN**, Dupras T, and Beaumont J. 2020. Dietary variation in an urbanizing city: A temporal analysis of diet in late medieval London using stable isotope analysis. In Betsinger TK, and DeWitte SN (Eds) *The Bioarchaeology of Urbanization: The Biological, Demographic, and Social Consequences of Living in Cities*. New York, NY: Springer. p. 93-117.
7. **DeWitte SN**. 2020. Urban environments: demography, epidemiology, and the role of climate change in determining health outcomes. In Robbins Schug G (Ed) *The Routledge handbook of the Bioarchaeology of Environmental Change*. Abingdon, UK: Routledge. p. 189-204.
6. **DeWitte SN**. 2019. Parsing the paradox: Examining heterogeneous frailty in bioarchaeological assemblages. In Willermet C and Lee S-H (Eds) *Evaluating Evidence in Biological Anthropology: The Strange and Familiar*. Cambridge: Cambridge University Press. p. 126-145
5. Buikstra JE, and **DeWitte SN**. 2019. A brief history and 21st century challenges. In Buikstra JE (Ed) *Ortner's Identification of Pathological Conditions in Human Skeletal Remains 3e*. Elsevier. p. 11-19.
4. **DeWitte SN**. 2018. Misconceptions about the bioarchaeology of plague. In Buikstra JE (Ed) *Bioarchaeologists Speak Out: Deep Time Perspectives on Contemporary Issues*. New York, NY: Springer. p. 109-131.
3. **DeWitte SN**. 2017. Sex and frailty in medieval Europe: Patterns from catastrophic and attritional assemblages. In S Agarwal and J Wesp (eds) *Exploring Sex and Gender in Bioarchaeology*. Albuquerque: University of New Mexico Press. p. 189-222.
2. **DeWitte SN**. 2014. Modeling the second epidemiological transition in London: Patterns of mortality and frailty during industrialization. In M Zuckerman (ed) *Modern Environments and Human Health: Revisiting the Second Epidemiologic Transition*. Hoboken, NJ: Wiley- Blackwell. p 35-54.
1. Gage TB, **DeWitte SN**, and Wood JW. 2012. Demography: mortality and migration. In S Stinson and B Bogin (eds). *Human Biology: An Evolutionary and Biocultural Perspective, 2nd edition*. Hoboken, NJ: John Wiley and Sons, Inc. p. 695-755.

EDITED VOLUME

Betsinger TK, and **DeWitte SN** (Eds). 2020. *The Bioarchaeology of Urbanization: The Biological, Demographic, and Social Consequences of Living in Cities*. New York, NY: Springer

REFEREED ENCYCLOPEDIA ENTRIES

2. **DeWitte SN**. 2018. Paleodemography. In W Trevathan (ed). *The International Encyclopedia of Biological Anthropology*. John Wiley and Sons, Inc.
1. **DeWitte SN**. 2018. Paleodemography and hazards analysis. In SL López Varela (ed). *The SAS Encyclopedia of Archaeological Sciences*. Wiley-Blackwell.

PUBLICATIONS SUBMITTED FOR PEER REVIEW

DeWitte SN. Assessing the existence of the male-female health-survival paradox in the past: dental caries in medieval London.

BOOK REVIEWS

5. **DeWitte SN**. 2019. Examining resilience in bioarcheology. Invited review of Temple DH and Stojanowski CM (Editors). 2019. *Hunter-Gatherer Adaptation and Resilience: A Bioarchaeological Perspective*. Cambridge University Press. *Evolutionary Anthropology* 28:224-225.
4. **DeWitte SN**. 2017. Invited review of Hutchinson DH. 2016. *Disease and Discrimination: Poverty and Pestilence in Colonial Atlantic America*. University Press of Florida. *American Antiquity* 82:419-420.
3. **DeWitte SN**. 2016. Invited review of Larsen CS. 2015. *Bioarchaeology: Interpreting Behavior from the Skeleton (2nd edition)*. Cambridge: Cambridge University Press. *American Journal of Human Biology* 28:596-597.
2. **DeWitte SN**. 2011. Invited review of Waldron T. 2007. *Palaeoepidemiology: the Measure of Disease in the Human Past*. Walnut Creek, CA: Left Coast Press. *Medical Anthropology Quarterly* 25:127-128.
1. **DeWitte SN**. 2007. Review of Chamberlain D. 2006. *Demography in Archaeology*. Cambridge: Cambridge University Press. *American Journal of Physical Anthropology* 135:247-248.

NON-REFEREED PUBLICATIONS

6. Betsinger TK, **DeWitte SN**. (Translated into Japanese by Dong Hoon Shin). 2023. Bioarchaeology of Health, Population and Urbanization. *Japanese Magazine of Archaeology*.
5. **DeWitte SN**. 2022. Old age isn't a modern phenomenon – many people lived long enough to grow old in the olden days, too. *The Conversation*. <https://theconversation.com/old-age-isnt-a-modern-phenomenon-many-people-lived-long-enough-to-grow-old-in-the-olden-days-too-184625>
4. **DeWitte SN**. 2020. Social inequality in times of pandemics. *Anthropology News* 61:12-14.
3. **DeWitte SN**. 2017. Living longer? Demographic trends in London using transition analysis. In Hartle R, Carty N, Henderson M, Knox EL, and Walker D. *The New Churchyard: From Moorfields Marsh to Bethlem Burial Ground, Brokers Row and Liverpool Street*. London: MOLA (Museum of London Archaeology) pp 113-114.
2. **DeWitte SN**. 2017. Comment on Torres-Rouff C and Knudson KJ (2017). Integrating identities: An innovative bioarchaeological and biogeochemical approach to Analyzing the multiplicity of identities in the mortuary record. *Current Anthropology* 58:400-401.
1. **DeWitte SN**. 2008. Distribution of skeletal lesions within the East Smithfield Black Death cemetery. *Society for Archaeological Sciences Bulletin* 31:15-18.

PUBLISHED ABSTRACTS/PROFESSIONAL MEETING PRESENTATIONS

94. **DeWitte SN**, Beaumont J, Montgomery J, and Redfern R. Migrant Health in the Past: Assessment of Differential Growth Conditions Between Locals and Non-locals to Medieval London. Society for American Archaeology.
93. Jones E, **DeWitte S**, and Livingston C. 2024. Health and Mortality During the Transition to Commercial Dairy Farming in 19th Century Upstate NY. Society for American Archaeology.
92. **DeWitte SN**, Yaussy SL, Marklein KE, and Crews DE. 2024. Frailty or resilience? Hazards-based and cumulative phenotype approaches to discerning signals of health inequality in human skeletal data. *American Journal of Biological Anthropology*
91. Simon M, Zhang Q, Sikora M, Willmott H, **DeWitte S**, and Wang Q. 2024. The Neolithic Reorganization: A Preliminary Synthesis of Paleodemography from Neolithic Age to Iron Age in Northern China. *American Journal of Biological Anthropology*
90. Elser M, **DeWitte S**, and Lewis M. 2024. Early childhood stress and puberty: Assessing the relationship between linear enamel hypoplasia and delayed pubertal timing in medieval London. Paleopathology Association.
89. **DeWitte SN**. 2023. Paleodemographic approaches to the study of health and well-being in the past. Presidential Panel presentation, Social Science History Association.
88. Beaumont J, **DeWitte S**, Redfern R, and Montgomery J. 2023. Resolution: Comparing isotopic weaning profiles in permanent and primary teeth. European Association of Archaeologists.
87. Zuckerman M, **DeWitte S**, Crespo F, Widrick K, DeGaglia C, Nichols L, Umar M, Wissler A, and Reynolds A. 2023. Using bioarchaeological data to inform diagnostic criteria for acquired syphilis in clinical care and public health through translational science. European Association of Archaeologists.
86. Zuckerman M, DeGaglia C, Widrick K, Crespo F, **DeWitte S**, Nichols L, Umar M, Wissler A, and Reynolds A. 2023. Associations between human host characteristics, health over the life course, and vulnerability to persistent late stage syphilis infection. *American Journal of Biological Anthropology* 180 (Supplement 75):203.
85. Widrick K, Reynolds A, Umar M, Nichols L, DeGaglia C, Wissler A, Crespo F, **DeWitte S**, and Zuckerman M. 2023 Sex, stress, and syphilis: Assessing heterogeneity in frailty to acquired syphilis using skeletal stress markers and nutritional status. *American Journal of Biological Anthropology* 180 (Supplement 75):193.
84. Umar M, Nichols L, Widrick K, DeGaglia C, Wissler A, Reynolds A, Crespo F, **DeWitte S**, and Zuckerman M. 2023. Examining frailty relative to persistent late-stage acquired syphilis infection in individuals within historical documented collections. *American Journal of Biological Anthropology* 180 (Supplement 75):181.
83. Simon M, Zhang Q, Sikora M, Willmott H, **DeWitte S**, and Wang Q. 2023. Paleodemography of the Neolithic Age in Northern China with Special Reference to the Hamin Disaster Site. *American Journal of Biological Anthropology* 180 (Supplement 75):163.
82. Nichols L, Umar M, Widrick K, DeGaglia C, Wissler A, Reynolds A, Crespo F, **DeWitte S**, and Zuckerman M. 2023. Reclaiming Life Narratives: Reconstructing lived experiences of individuals in historical documented collections. *American Journal of Biological Anthropology* 180 (Supplement 75):127.
81. Gatsos M, Gardner E, **DeWitte S**, Zuckerman M, and Crespo F. 2023. Integrating paleopathology and osteoimmunology: Does treponemal infection shift inflammatory responses and alter osteoclastogenesis in periodontal disease? Paleopathology Association.
80. Hansen DW, DeWitte S, and Slavin P. 2022. Dying of pestilence: Gender, stature and mortality risk during a plague epidemic in 14th century Kyrgyzstan. *American Journal of Physical Anthropology* 177 (Supplement 73):79.

79. **DeWitte SN**, Beaumont J, Montgomery J, Redfern R, and Sibon H. 2022. Migrant health before, during, and after the 14th-century Black Death in London. *American Journal of Physical Anthropology* 177 (Supplement 73):46.
78. Crespo FA, **DeWitte S**, Zuckerman MK, Marklein KE, and Klaus H. 2022. Skeletal inflammatory index: Connecting theory with methods. Paleopathology Association.
77. **DeWitte SN**. 2021. Famine and plague: climate change, mortality crises, and health in medieval England. (Back)bone to the Future: Bioarchaeological Perspectives on Climate Change and Crisis, German Archaeological Institute.
76. Redfern R, and **DeWitte SN**. 2021. "The cold never bothered me anyway!" An investigation of the relationship between climate change and congenital and developmental anomalies in a Medieval London cemetery. British Association for Biological Anthropology and Osteoarchaeology (BABA) Conference.
75. Vilgalys TP, Klunk J, Cobb M, Redfern R, Gamble J, Boldsen JL, DeWitte S, Dumaine A, Demure C, Pizarro-Cerdá J, Rouleau G, Poinar H, and Barreiro L. 2021. Ancient genomics reveal positive selection on immune genes during the Black Plague. Society for Molecular Biology and Evolution.
74. Yaussy SL, **DeWitte SN**, and Hughes-Morey G. 2021. The second epidemiological transition: Survivorship and industrialization in London. *American Journal of Physical Anthropology* 174 (Supplement 71):116.
73. **DeWitte SN**, Beaumont J, Montgomery J, and Redfern R. 2021. Dietary variation by social status and sex in the aftermath of the medieval Black Death in London. *American Journal of Physical Anthropology* 174 (Supplement 71):27.
72. Kelmelis S, and **DeWitte SN**. 2021. Mortality risk and survival in pre- and post-Black Death Denmark. *American Journal of Physical Anthropology* 174 (Supplement 71):54.
71. Brennan EJ, and **DeWitte SN**. 2021. Resiliency and the impact of stress accumulation over the life course in post-medieval London. *American Journal of Physical Anthropology* 174 (Supplement 71):13.
70. Crespo F, Rich E, **DeWitte S**, and Zuckerman MK. 2021. Osteoimmunology as new frontier in treponemal infection: Setting the ground for bioarchaeological analysis and reconstruction of host immunological status using skeletal samples. Paleopathology Association.
69. **DeWitte SN**. 2020. Multiple developmental stress events and mortality outcomes in the context of medieval English famines. *American Journal of Physical Anthropology* 171 (Supplement 69):71.
68. Betsinger TK, Smith MA, and **DeWitte SN**. 2020. Temporal comparisons of survivorship and frailty in Late Prehistoric East Tennessee. *American Journal of Physical Anthropology* 171 (Supplement 69):27.
67. Brennan EJ, and **DeWitte SN**. 2020. Health & well-being in pre- & post-Black Death London: an assessment of sexual stature dimorphism. *American Journal of Physical Anthropology* 171 (Supplement 69):36.
66. Ham A, and **DeWitte SN**. 2020. Sex differentials in mortality in the Bedlam Burial Ground. *American Journal of Physical Anthropology* 171 (Supplement 69):112.
65. **DeWitte SN**. 2019. Sex-specific patterns of survival in the context of urbanization and environmental change in medieval and post-medieval London, England. Society for American Archaeology, Albuquerque, NM.
64. Betsinger TK, **DeWitte SN**, Justus H, and Agnew AM. 2019. Frailty and survivorship in medieval Poland: A comparison of urban and rural populations. *American Journal of Physical Anthropology* 168 (Supplement 68):19.
63. **DeWitte SN**. 2019. Assessing the existence of the male-female health-survival paradox in past populations. *American Journal of Physical Anthropology* 168 (Supplement 68):58.

62. Duncanson ME, Zuckerman MK, **DeWitte S**, and Crespo F. 2019. Reconstructing host immune status in acquired syphilis: a bioarchaeological and immunological approach. *American Journal of Physical Anthropology* 168 (Supplement 68):64.
61. Hook ESL, Walter BS, and **DeWitte SN**. 2019. Survivorship and urbanization in medieval England. *American Journal of Physical Anthropology* 168 (Supplement 68):107.
60. Walter BS, **DeWitte SN**, Dupras T, and Beaumont J. 2019. Dietary variation in an urbanizing city: A temporal analysis of diet in Late Medieval London using stable isotopes. *American Journal of Physical Anthropology* 168 (Supplement 68):261.
59. **DeWitte SN**. 2018. Survival and stress in the context of medieval environmental and socioeconomic change, London. Health, Disease, and Lifestyle in Asia: Global History of Health Organizational Conference. Jilin University, Changchun, China. Invited paper.
58. **DeWitte SN**. 2018. Bioarchaeological evidence of mortality patterns during the *pestis secunda* (ca. 1361) in London. 53rd International Congress on Medieval Studies, Kalamazoo, MI. Invited paper.
57. **DeWitte SN**. 2018. Plagues past and present: the modern relevance of archaeological studies of epidemics in the past. *American Journal of Physical Anthropology Supplement* 66:67. Invited paper.
56. Walter BS, **DeWitte SN**, Beaumont J, and Dupras T. 2018. Isotopes and famine: an isotopic comparison of famine and attritional burials in a Late Medieval London cemetery. *American Journal of Physical Anthropology Supplement* 66:294.
55. Klunk J, Duggan A, Redfern R, **DeWitte S**, and Poinar H. 2018. Mitochondrial population dynamics in Black Death London. *American Journal of Physical Anthropology Supplement* 66:142.
54. Yaussy SL, and **DeWitte SN**. 2018. Calculus and survivorship in medieval London: the association between dental disease and a demographic measure of general health. *American Journal of Physical Anthropology Supplement* 66:307. Invited paper.
53. **DeWitte SN**. 2017. Bioarchaeological practice and resistance in the shadow of the Trump administration. American Anthropological Association, Washington, DC. Invited paper.
52. **DeWitte SN**. 2017. Sex, stress, and famine: Bioarchaeological analysis of sex differentials in risk of mortality among victims of medieval famine. Rural History 2017, Leuven, Belgium. Invited paper.
51. **DeWitte SN**. 2017. Sex differences in pre- vs. post-Black Death trends in survivorship. *American Journal of Physical Anthropology Supplement* 64:162.
50. Betsinger TK, and **DeWitte SN**. 2017. Urbanization's impact: health and survivorship patterns in Medieval Poland. *American Journal of Physical Anthropology Supplement* 64:121
49. Duncanson ME, **DeWitte SN**, and Crespo FA. 2017. Effect of mycobacterial species on immune cells and its potential impact on inflammatory responses in periosteal lesions. *American Journal of Physical Anthropology Supplement* 162:168.
48. Wilham KN, Diblasi PJ, **DeWitte SN**, and Crespo FA. 2017. Periodontal disease and periosteal lesions in a prehistoric population from Kentucky: searching for evidence of systemic inflammation. *American Journal of Physical Anthropology Supplement* 64:409.
47. Yaussy SL, and **DeWitte SN**. 2017. Childhood and famine in Medieval London. *American Journal of Physical Anthropology Supplement* 162:416.
46. **DeWitte SN**. 2017. Sex differences in pre- vs. post-Black Death trends in developmental stress markers. Society for American Archaeology, Vancouver, BC.
45. **DeWitte SN**. 2017. Sex differences in pre- vs. post-Black Death trends in developmental stress markers. Skeletal Biology in the Carolinas, Greensboro, NC
44. **DeWitte SN**. 2016. Misconceptions about the bioarchaeology of plague. American Anthropological Association, Minneapolis, MN. Invited paper.

43. **DeWitte SN**. 2016. The effect of multiple stress events on risk of mortality during the medieval Black Death. *American Journal of Physical Anthropology Supplement* 62:130. Invited paper.
42. Redfern R, **DeWitte S**, and Judd M. 2016. Do people with multiple injuries also have poor health? *American Journal of Physical Anthropology Supplement* 62:265.
41. Walter BS, and **DeWitte S**. 2016. Urbanization and Mortality Risk in Late Medieval London. *American Journal of Physical Anthropology Supplement* 62:327.
40. Yaussy SL, and **DeWitte SN**. 2016. Sex and Famine: Mortality Differentials in Medieval London. *American Journal of Physical Anthropology Supplement* 62:341.
39. Yaussy SL, and **DeWitte SN**. 2016. Patterns of physiological stress among victims of medieval crisis mortality. Invited paper. Paleopathology Association, Atlanta, GA.
38. Crespo F, Klaes C, Alnaeeli M, and **DeWitte S**. 2016. Osteoimmunology: a new frontier in paleopathology. Paleopathology Association, Atlanta, GA.
37. Duncanson M, Klaes C, **DeWitte S**, and Crespo F. 2016. Periosteal lesions as marker for systemic inflammatory shifts in tuberculosis and leprosy infections: an *in vitro* analysis. Paleopathology Association, Atlanta, GA.
36. **DeWitte SN**. 2015. Parsing the paradox: examining heterogeneous frailty in bioarchaeological assemblages. American Anthropological Association, Denver, CO. Invited paper.
35. Redfern R, and **DeWitte SN**. 2015. Plague in Medieval London: Perspectives from the East Smithfield Cemetery. Centre for Research in the Arts, Social Sciences, and Humanities "Corpses, Burials, and Infections" Conference, Cambridge, UK
34. **DeWitte SN**, and Yaussy S. 2015. Famine and frailty: crisis mortality and stature in medieval London. *American Journal of Physical Anthropology Supplement* 60:122. Invited paper.
33. Walter BS, and **DeWitte S**. 2015. Temporal survival analysis of medieval St. Mary Spital, London (c. 1120-1400 CE). *American Journal of Physical Anthropology Supplement* 60:318.
32. Klaes C, Lawrenz M, **DeWitte SN**, and Crespo F. 2015. Reconstructing the impact of infectious diseases on the immune system of human populations: periodontal disease as marker to detect immunological shifts? *American Journal of Physical Anthropology Supplement* 60:189-190
31. **DeWitte SN**. 2015. Developmental stress and disease susceptibility: the association between skeletal indicators of leprosy and other physiological stressors. Society for American Archaeology, San Francisco, CA.
30. **DeWitte SN**. 2014. Setting the stage for medieval plague: pre-Black Death trends in survival and mortality. *American Journal of Physical Anthropology Supplement* 58: 105-06
29. **DeWitte SN**. 2014. The aftermath of catastrophic mortality: physiological stress, stature, and the effects of the Black Death. Society for American Archaeology, Austin, TX.
28. Walter BS, **DeWitte S**, Redfern R, and Bekvalac J. 2014. Sex, age, and caries: sex differences in caries frequency in medieval London. *American Journal of Physical Anthropology Supplement* 58:265
27. Klaes C, Lawrenz M, **DeWitte S**, and Crespo F. 2014. Reconstructing the impact of medieval Black Death on the immune system of human populations (I): the impact of *Yersinia pestis* immunosuppression on the subsequent immune response to periodontal pathogens. Paleopathology Association, Calgary, AB.
26. **DeWitte SN**. 2013. The demographic effects of medieval plague: mortality risk and survival in post-Black Death London. Society for American Archaeology, Honolulu, HI.
25. **DeWitte SN**. 2013. Health in post-Black Death London (1350-1538): Age patterns of periosteal new bone formation in a post-epidemic population. *American Journal of Physical Anthropology Supplement* 56:112. Invited paper.
24. Boulware JC and **DeWitte SN**. 2013. Medieval monastic mortality: hazard analysis of mortality differences between monastic and non-monastic cemeteries in England. *American Journal of Physical Anthropology Supplement* 56:86.

23. Parker D, Wood J, Tomita S, **DeWitte S**, Sirichaisinthop J, and Cui L. 2013. A sensitivity analysis of the impact of household consumer-producer ratios on the hazard of out-migration among the Karen. *American Journal of Physical Anthropology Supplement* 56:216.
22. Walter BS and **DeWitte SN**. 2013. Status and stature: Analysis of the association between socioeconomic status and adult stature in medieval London c. 1350-1538. *American Journal of Physical Anthropology Supplement* 56:283.
21. Parker D, Wood J, Tomita S, **DeWitte S**, Sirichaisinthop J, and Cui L. 2013. Household level predictors and migration: A micro-demographic study of Karen villages along the Thai-Myanmar Border. Population Association of America, New Orleans, LA
20. **DeWitte SN**. 2012. Sex differences in periodontal disease in catastrophic and attritional assemblages from medieval London. Society for American Archaeology, Memphis, TN.
19. **DeWitte SN** and Pollard J. 2012. Medieval famine and health: skeletal markers of childhood physiological stress in survivors of the Great Famine, 1315-1322. *American Journal of Physical Anthropology Supplement* 54:131
18. Bos KI, Schuenemann VJ, Golding GB, Burbano HA, Waglechner N, Coombes BK, McPhee JB, **DeWitte SN**, Poinar HN, and Krause J. 2012. A draft genome of *Yersinia pestis* from victims of the Black Death. *American Journal of Physical Anthropology Supplement* 54:103
17. Krause J, Bos KI, **DeWitte SN**, Schuenemann VJ, and Poinar HN. 2012. The genome of the Black Death. Paleopathology Association, Portland, OR.
16. **DeWitte SN**. 2011. Paleodemographic Analyses of the 14th-century Black Death. Anglo-American Conference, London, UK. Invited paper
15. **DeWitte SN**. 2011. Paleoepidemiological modeling of the second epidemiological transition in London. Invited paper, SCIAA Post-Doctoral Fellows Conference, University of South Carolina.
14. **DeWitte SN** and RC Redfern. 2011. The effect of social status on risks of mortality in Roman Dorset, England. *American Journal of Physical Anthropology Supplement* 52:125
13. **DeWitte SN**. 2011. Sex and frailty: patterns from catastrophic and attritional assemblages. Invited paper, Society for American Archaeology, Sacramento, CA.
12. **DeWitte SN**. 2010. The relationship between oral health and general health: association between periodontitis and non-oral skeletal pathologies. *American Journal of Physical Anthropology Supplement* 50:94.
11. **DeWitte SN**. 2009. Death and dying in the Middle Ages: The Black Death of 1347-1351. Society for Literature, Science, and the Arts, Atlanta, GA.
10. **DeWitte SN**. 2009. The effect of adult age estimates on inferences about sex patterns of mortality. *American Journal of Physical Anthropology Supplement* 48:174.
9. **DeWitte SN**. 2009. Mortality patterns of the 14th-century Black Death: the skeletal evidence. Invited paper, Rhetorics of Plague Symposium, University at Albany, NY.
8. Bos KI, **DeWitte SN**, and HN Poinar. 2008. Metagenomics and disease in past human populations. Canadian Association of Physical Anthropology, Hamilton, ON.
7. **DeWitte SN**, Hughes GM, and Reedy SC. 2008. Comparison of paleodemographic age estimation methods: case study of the East Smithfield Black Death cemetery. *American Journal of Physical Anthropology Supplement* 46:89. Invited paper.
6. **DeWitte SN**. 2008. Distribution of skeletal lesions within the East Smithfield Black Death cemetery. Society for American Archaeology, Vancouver, BC.
5. **DeWitte SN**. 2007. Age and sex patterns of Black Death mortality: estimates from the East Smithfield cemetery. Society for American Archaeology, Austin, TX.
4. **DeWitte SN**. 2007. Black Death mortality: selectivity with respect to frailty. *American Journal of Physical Anthropology Supplement* 44:97.

3. Sparks CS and **DeWitte-Aviña SN**. 2004 Population dynamics under catastrophic mortality: the case of the Black Death. *American Journal of Human Biology* 16:187.
2. Wood JW, Ferrell RJ, and **DeWitte-Aviña SN**. 2002. The role of infectious diseases in human populations: New evidence from the Black Death in England, 1348-1350. *American Journal of Physical Anthropology Supplement*. 34:167.
1. Wood JW, Ferrell RJ, **DeWitte-Aviña SN**, and Holman DJ. 2002. Mortality differentials during the Black Death in England, 1349. *American Journal of Human Biology* 14:95.

SYMPOSIA ORGANIZED

- 2019 Betsinger TK, and **DeWitte SN**. Bioarchaeology of Urbanization: The Biological, Demographic, and Social Consequences of Population Increase and Agglomeration. *American Journal of Physical Anthropology* 168 (Supplement 68).
- 2017 **DeWitte SN**, Ferrell R, Sparks C, Usher B. Anthropological Demography, Well-being, and the Osteological Paradox: A Symposium in Honor of James W. Wood. *American Journal of Physical Anthropology Supplement* 162: 61.
- 2017 Walter BS, and **DeWitte SN**. Bioarchaeology of Transition: Health and Changing Environments (joint AAPA-PPA session). *American Journal of Physical Anthropology Supplement* 162:17.

INVITED PANELIST/DISCUSSANT/KEYNOTE SPEAKER

- 2022 Center for the Humanities (CHAT) at Temple University, Pandemic Perspectives Seminar Series Pre-Modern Research Symposium: “Epidemics and the Environment in the Pre-Modern World”
- 2022 Medieval Academy of America Council Plenary Session: “Medieval Studies for the Modern Age: New Approaches to Medicine, Disease, and Health”
- 2021 Emerging Adolescence Workshop, Department of Anthropology, McMaster University
- 2021 (Un)natural Lives: Bioarchaeology of Urbanization Research Group (BURG) Conference
- 2019 Ethics Panel, Paleopathology Association Student Group
- 2018 #MeToo In Archaeology, American Anthropological Association, San Jose, California.

INVITED TALKS/SEMINARS/WORKSHOPS

- 2024 University of California, Los Angeles, Cotsen Institute of Archaeology
- 2024 University of New Mexico, Department of Anthropology
- 2023 Yale University, Department of Anthropology
- 2023 Agent-based modeling of the Osteological Paradox Workshop, The Australian National University
- 2022 Vanderbilt University, Department of Anthropology
- 2022 Texas A&M School of Dentistry Pathway to Excellence and Dallas-Fort Worth Human Evolution Seminar Series for the Public
- 2022 University of Central Florida, Department of Anthropology Kent Family Speaker Series
- 2021 Dondena Center for Research on Social Dynamics and Public Policies, Bocconi University, Milan
- 2021 Centre for Research on Pandemics & Society (PANSOC), Oslo Metropolitan University
- 2021 Saint Mary's University, Anthropology Course
- 2021 University of Louisville, Anthropology Course
- 2021 Cornell University, Anthropology Course
- 2021 Approaches to Life and Health in Medieval Cities Workshop, University of Amsterdam
- 2021 Wake Forest University, Environment and Disease in the Medieval Mediterranean:

- Pandemic and Bubonic Plague Course
- 2021 Princeton University, The Art and Archaeology of Plague Course
- 2020 Oregon State University, Anthropology Lecture Series
- 2020 Washington University, Anthropology Course and Archaeology lecture series
- 2020 Drew University, Anthropology Course
- 2020 University of Massachusetts Amherst, Anthropology Course
- 2020 McMaster University, Anthropology Course
- 2020 University of South Dakota, Anthropology Course
- 2020 University Nevada Reno, Bioarchaeology Course
- 2019 Georgetown University, Department of History
- 2019 Durham University, Department of Archaeology
- 2019 University of California, Santa Barbara, Broom Demography Center
- 2019 Iowa City Darwin Day
- 2018 University of Missouri, Columbia, Department of Anthropology
- 2018 Appalachian State University, Department of Anthropology
- 2018 University of Southern California, Leonard Davis School of Gerontology
- 2018 Arizona State University Kamsville Field School
- 2018 University of Missouri, St. Louis, Department of Anthropology and Archaeology
- 2017 University of Kent, CHASE Training Programme ‘Scientific Approaches to the Study of the Past’
- 2017 University of Sheffield, Department of Archaeology
- 2017 Sage Colleges, Women in Science Lecture
- 2016 Davidson University, Department of Anthropology
- 2016 University of Tennessee, Knoxville, Department of Anthropology Visiting Lecture Series
- 2016 Clemson University, Department of Sociology and Anthropology and The Strom Thurmond Institute
- 2016 University of Michigan School of Law, Legal Theory Workshop
- 2015 University of North Carolina, Chapel Hill, Department of Anthropology
- 2015 Workshop on Paleodemography, University of North Carolina, Chapel Hill, Department of Anthropology and Research Labs of Archaeology (two-day workshop on statistical approaches for addressing biases in skeletal age estimation and paleodemographic analyses)
- 2015 Field School in Medieval Archaeology and Bioarchaeology at Badia Pozzeveri, Italy
- 2015 Arizona State University Center for Evolution and Medicine Seminar
- 2015 Cleveland State University Department of History
- 2014 The Pennsylvania State University Department of Anthropology Colloquium Series
- 2014 Cypress College Anthropology Department
- 2014 The Ohio State University, Department of Anthropology
- 2014 UNC Wilmington, Identity and Humanity in Anthropology Series
- 2013 Seminar Series: Arizona State University School of Human Evolution and Social Change:
- 2013 University of Louisville Department of Anthropology Lecture Series
- 2013 Coastal Carolina University Explorations Lecture Series
- 2012 School for Advanced Research Colloquium Series
- 2011 Hunter College, Anthropology Graduate Student Association Women in Archaeology Conference
- 2010 SUNY New Paltz Speaker Series
- 2010 McGill University, Department of Epidemiology, Biostatistics, and Occupational Health Biostatistics Seminar
- 2010 Rutgers University, Extinction Signature Course

- 2010 Wake Forest University, Museum of Anthropology Public Lecture
 2008 Skidmore College, Women in Science Lecture Series
 2008 McMaster University, Anthropology Department Colloquium
 2008 University of Massachusetts, Amherst, Anthropology Department Colloquium

WORKSHOP ORGANIZED

- 2020 Workshop on 21st Century Bioarchaeology; Tempe, AZ; co-organized with Jane Buikstra (Arizona State University)

SEMINARS/WORKSHOPS (PARTICIPANT)

- 2024 NSF-AABA Mock Review Workshop
 2015 **DeWitte SN**, and Kowaleski M. “Black Death Bodies.” A Thing of the Past (interdisciplinary workshop), University of Michigan (Katherine French and Robin Fleming, Organizers).
 2013 Radcliffe Seminar: “A Thing of the Past: Material Evidence and the Writing of Medieval England’s Past”. Radcliffe Institute for Advanced Study, Cambridge, MA (Katherine French and Robin Fleming, Organizers).

TRAVEL GRANTS

- 2007-2010 College of Arts and Science Travel Funds Awards (3), University at Albany
 2007-2009 New York State/United University Professions Individual Development Awards (3)

TEACHING

COURSES TAUGHT

- Bioarchaeological Principles (graduate)
 Biological Anthropology Principles and Theory (graduate)
 Forensic Anthropology (graduate and undergraduate)
 Human Anatomy and Physiology (undergraduate, online and in-person)
 Human Osteology (graduate and undergraduate)
 Introduction to Biological Anthropology (undergraduate)
 Introduction to Primates (undergraduate)
 Paleodemography (graduate)
 Plagues Past and Present (undergraduate)
 Social Bioarchaeology (undergraduate and graduate)

CERTIFICATES AND TRAINING COMPLETED

- Teaching Toward Inclusive Excellence, University of South Carolina
 Safe Zone Ally Program, University of South Carolina

POSTDOCTORAL ADVISOR

Amanda Wissler (2021-2023):

NSF SBE Postdoctoral Fellowship (co-PI DeWitte, #2104830, \$138,000), “Investigating the Long-Term Impacts of Pandemic Disease”

GRADUATE STUDENT COMMITTEES

Current Committees

Masters, Committee Member

Savannah Keating, University of South Carolina

PhD, Committee Chair

Emily Brennan, University of South Carolina
David Hansen, University of Colorado, Boulder

PhD, Committee Member

Andrea Acosta, University of South Carolina
Larissa Daniels-Hill, University of South Carolina
Abigail Gancz, Pennsylvania State University
Kelsee Hentschel-Fey, University of South Florida
Akacia Propst, McMaster University
Carly Slank, Wayne State University

Past Committees***Masters, Committee Chair***

Jordan Karsten, University at Albany, 2011
Bianca Englese, University at Albany, 2010
David Hansen, University of South Carolina, 2022
Heather Miller, University at Albany, 2010
Melanie Brasor, University at Albany, 2009
Jasmine Munk, University at Albany, 2009
Sarah Reedy, University at Albany, 2007
Samantha Yaussy, University of South Carolina, 2015

Masters, Committee Member

Agatha Kenda Chalaopak, University of South Carolina, 2017
Ashley Dafoe, Mississippi State University, 2020
Taylor Emery, Mississippi State University, 2023
Krysta Wilham, University of Louisville, 2017

PhD, Committee Chair

Madeline Atwell, University of South Carolina, University of South Carolina, 2022 (co-chair)
Alison Ham, University of South Carolina, 2023
Gail Hughes Morey, University at Albany, SUNY 2012
Brittany Walter, University of South Carolina 2017
Samantha Yaussy, University of South Carolina 2019

PhD, Committee Member

Derek Boyd, University of Tennessee, Knoxville, 2022
Erin O'Neill, University at Albany
Kelli Tamvada, University at Albany, 2015
Amanda Wissler, Arizona State University, 2021

PhD, External Examiner

Melandri Vlok, University of Otago, NZ, 2020

MENTORED UNDERGRADUATE RESEARCH

Melanie Brasor, University at Albany, 2007 (independent study)

Bianca Englese, University at Albany, 2007 (independent study)
 Nadine Huseby, University of Colorado, Boulder (Honors Thesis)
 Savannah Keating, University of South Carolina, 2022 (Magellan Journey)
 Colin Partridge, University of South Carolina, 2012 (independent study)
 Jennifer Pollard, University at Albany, 2009 (Honor's thesis research)
 Rowan Ooi, University of South Carolina, 2015 (Magellan Apprentice)
 Willis Orlando, University at Albany, 2011 (independent study)
 Gregory Wehrman, University of South Carolina, 2013 (Magellan Scholar, Honor's thesis)
 Hannah Willis, University of South Carolina, 2021 (Honor's thesis Second Reader)
 Skyler Yakes, University of South Carolina, 2022 (Magellan Scholar, Senior Thesis)

SERVICE

DEPARTMENTAL

University of Colorado, Boulder

2023-present Department of Anthropology Undergraduate and Curriculum Committee
 2024 Chair, Department of Anthropology Ethics Statement Committee
 2023-2024 Department of Anthropology Primary Unit Evaluation Committee (PUEC), Dr. Gerardo Gutiérrez

University of South Carolina Department of Anthropology

2021-present Chair of Department Tenure and Promotion Committee
 2018-present Department Curriculum Committee
 2018-present Biological Anthropology Subfield Coordinator
 2012-present Graduate Admissions Committee
 2022-2023 Chair, Biological Anthropology Assistant Professor Search Committee
 2019-2022 Department Graduate Director
 2019-2022 Department Web Committee
 2021-2022 Member, Linguistic Anthropology Visiting Assistant Professor Search Committee
 2021-2022 Member, Biological Anthropology Assistant Professor Search Committee
 2016-2022 Ann Kingsolver Research and Professionalization Skills Fund Committee
 2018-2021 Member of Department Tenure and Promotion Committee
 2017 Medical Anthropology Assistant Professor Search Committee
 2017 Member, Biological Anthropology Visiting Assistant Professor Search Committee
 2012 Member, Southern Studies/Sociocultural Anthropology Assistant Professor Search Committee
 2011 Member, Linguistic Anthropology Assistant Professor Search Committee

University at Albany, SUNY

2009-2011 Graduate Affairs Committee
 2007-2009 Faculty Sponsor for University at Albany chapter of Lambda Alpha
 2007-2009 Speaker Series Coordinator
 2007 Paleoanthropology Search Committee

UNIVERSITY

University of South Carolina

2015-present UofSC NSF Graduate Research Fellowship Committee
 2022 UofSC Doctoral Commencement speaker

2021	College of Arts and Sciences Carolina Core Task Force
2020	Graduate Council
2017	USC ASPIRE I Grant Review Committee
2015-2016	SPARC Graduate Research Grant Review Committee
2014-2015	Office of the Provost Social Sciences Grant Committee
2014	Presentation at Carolina's Promise Capital Campaign Meeting
2013	Reviewer for Magellan Scholar application
2013	Presentation at CAS Board of Visitors Meeting
2012 -2013	Guest lectures, STEPS to Stem (STEM 101)
2012	Guest lecture Office of Undergraduate Research <i>Discover</i> course

University at Albany, SUNY

2007-2009	College of Arts and Sciences Faculty Council Committee; Academic Planning standing subcommittee
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PROFESSIONAL

	Panel member, National Science Foundation Review Panels
2024-present	Editorial Committee, <i>Annual Review of Anthropology</i>
2022-present	Associate Editor, <i>Science Advances</i>
2019-present	BodoArxiv Steering Committee
2017-present	Editorial Board Member, <i>Evolutionary Anthropology</i>
2019-2022	Member of the Electorate Nominating Committee (ENC), Section on Anthropology, AAAS
2018-2020	Series Co-Editor, <i>Bridging Perspectives in the Anthropology of Health and Well-Being</i> , University of Florida Press
2017-2020	Secretary, Paleopathology Association
2017-2020	Secretary/Treasurer, Biological Anthropology Section of the American Anthropological Association
2013-2019	Associate Editor, <i>American Journal of Physical Anthropology</i>
2014-2017	Academic Editor, <i>PLOS ONE</i>

Ad Hoc Reviewer for:

Journals: *American Anthropologist*, *American Antiquity*, *American Journal of Human Biology*, *American Journal of Biological Anthropology* (formerly *American Journal of Physical Anthropology*), *Archives of Oral Biology*, *Bioarchaeology International*, *Boyhood Studies*, *Bulletins et Mémoires de la Société de Paris*, *Demographic Research*, *European Journal of Archaeology*, *Evolutionary Anthropology*, *Geography Compass*, *Historical Archaeology*, *Human Ecology*, *International Journal of Osteoarchaeology*, *International Journal of Paleopathology*, *Journal of Anthropological Archaeology*, *Journal of Archaeological Science*, *Journal of Archaeological Science: Reports*, *Landscapes*, *Medieval Archaeology*, *Molecules*, *PLOS One*, *Proceedings of the Royal Society B*, *Yearbook of Physical Anthropology*

Funding Agencies: American Association of Physical Anthropologists (Professional Development Award Committee), Canada Foundation for Innovation, Estonian Research Council, European Research Council (ERC), Leakey Foundation, National Geographic Society, National Science Foundation, Social Sciences and Humanities Research Council of Canada, Swiss National Science Foundation

Other Professional Service:

- 2024 American Association of Biological Anthropologists Professional Development Committee
- 2022 Host, Society for American Archaeology, Committee on the Status of Women in Archaeology-sponsored brown-bag, "Funding your bioarchaeology project"
- 2020 Guest Editor, *Proceedings of the National Academy of Sciences*
- 2018 American Association of Physical Anthropologists Student Presentation Prize Judging Committee
- 2018 Content consultant for Red Line Editorial
- 2017-2018 Member, 2018 AAA Annual Meeting Executive Program Committee
- 2014 Panel member, "After Carpenter," workshop on strategies for navigating the academic job market, Pennsylvania State University Department of Anthropology
- 2013 Society for American Archaeology Program Committee
- 2008-2012 American Association of Physical Anthropologists Program Committee
- 2007-2012 American Association of Physical Anthropologists Student Affairs Committee

PUBLIC OUTREACH AND COMMUNITY SERVICE

- 2019 Guest Speaker, Columbia Medical Society
- 2019 Guest on St. Ambrose University KALA's "Relevant or Irrelevant" (ROI) radio program, Episode #314 "Survival in the Context of Medieval Mortality Crisis"
- 2019 Talk at Iowa City FilmScene: "*Contagion* and the reality of emerging infectious diseases,"
https://www.youtube.com/watch?v=W4KEdR8cCQ8&list=PLf83H_YszGV7c0igx991gk3Ixy8vT8C8_&index=2&t=393s
- 2017 Guest Speaker, Central South Carolina Mensa group, Columbia, SC
- 2017 Co-instructor, *Health, Disease and Society in the Age of Black Death*, Lifelong Learning Program, Wake Forest University
- 2017 Guest Speaker, North Carolina Governor's School West, Winston Salem, NC
- 2017 Blog post for Interdisciplinary Association for Population Health Science (iaphs.org), "Population Health Lessons from the Black Death"
- 2016 Guest speaker, DavidsonLearns class, "Plagues!" Davidson, NC
- 2016 Guest speaker, Capital Rotary Club, Columbia, SC
- 2015 Guest lecture, Epidemiology class, Christian Brothers Academy, Syracuse, NY
- 2014 TED-Ed educational video, 2014, "The past, present and future of the bubonic plague,"
<https://ed.ted.com/lessons/the-past-present-and-future-of-the-bubonic-plague-sharon-n-dewitte>
- 2009 Mentor, Niskayuna NY Central School District Career Exploration Internship Program
- 2007-2009 Outreach program, Albany High School, Anthropology class
- 2007 Third Annual UAlbany/Albany High School Alliance Teach Together
- 2007 Referee at the Upstate New York Junior Science and Humanities

PROFESSIONAL MEMBERSHIPS

American Association of Biological Anthropologists, American Anthropological Association, Dental Anthropology Association, Human Biology Association, Paleopathology Association, Register of Professional Archaeologists, Sigma Delta Epsilon/Graduate Women in Science, Society for American Archaeology

SELECTED MEDIA APPEARANCES

- Research featured in the following articles:
 - “Black women most likely to die in medieval plague, Museum of London says,” *BBC* 11/21/2023
 - “Skeletons of 1918 Flu Victims Reveal Clues About Who Was Likely to Die,” *New York Times* 10/09/2023
 - *Science Magazine*, “From Black Death to fatal flu, past pandemics show why people on the margins suffer most,” <https://www.sciencemag.org/news/2020/05/black-death-fatal-flu-past-pandemics-show-why-people-margins-suffer-most>
 - *Vice.com*, “Ancient Skeletons Might Explain One of Humanity's Worst Epidemics,” https://tonic.vice.com/en_us/article/9kdkdv/ancient-skeletons-might-explain-one-of-humanitys-worst-epidemics
 - “Plague may not be solely to blame for Black Death’s mortality”, *NewsScientist.com*, 7/25/15
 - Shipman P (2014) “The Bright Side of the Black Death”, *American Scientist* 102:410-413
 - “The medieval Black Death made you healthier – if you survived”, *TIME.com*, 5/7/14
 - “Scientists solve DNA puzzle of the Black Death,” *New York Times* 10/12/11
 - “Clues to Black Plague’s fury in 650-year-old skeletons,” *New York Times* 1/29/08

- Interviewed for the following news, podcasts, or popular science programs:
 - Callaway E. “Ancient DNA traces origin of Black Death”. *Nature* 6/15/22
 - *Gizmodo.com*, “What’s the oldest disease?”, 4/1/19
 - *BBC Radio 4*, *More or Less: Behind the Stats*, “Avengers: should we reverse the snap?”, 5/10/18, <https://www.bbc.co.uk/programmes/p0788fyl>
 - *Human Biology Association* podcast, 2/27/18: <https://soundcloud.com/humanbiologyassociation/stress-sex-and-plague-a-chat-with-sharon-dewitte-sos-6>
 - *BBC Radio 4* program, *Conflict and Cooperation: A History of Trade*, 1/08/18, <http://www.bbc.co.uk/programmes/b09kxsdv>
 - *CBC* program, *The Nature of Things: Secrets in the Bones: The Hunt for the Black Death Killer*, 2014
 - *ABC Columbia*, *Good Morning Columbia*, 9/12/12
 - *The Discovery Channel Canada*’s program *The Daily Planet*, 1/29/08
 - *German Public Radio*, host Volker Mrasek, 1/29/08
 - *The Health Show* (nationally syndicated), *WAMC Northeast*, 2/04/08

Honor Society Memberships

Lambda Alpha, National Anthropology Honor’s Society

Phi Kappa Phi Honor Society, The Pennsylvania State University