

SHARON N. DEWITTE

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CURRICULUM VITAE

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RESEARCH INTERESTS: Biological anthropology, paleodemography, paleoepidemiology, paleopathology, bioarchaeology, osteology, infectious diseases epidemiology and evolution, diet, migration

EDUCATION AND PROFESSIONAL HISTORY**ACADEMIC EXPERIENCE**

- 2014 – Associate Professor, Department of Anthropology, University of South Carolina, Columbia
- 2014 – Peter and Bonnie McCausland Fellow of Anthropology
- 2011 – 2014 Assistant Professor, Department of Anthropology, University of South Carolina, Columbia
- 2006 – 2011 Assistant Professor, Anthropology Department, Human Biology Program, University at Albany
- 2005 – 2006 Assistant Professor (non-tenure-track), Sociology/Anthropology Department, Shippensburg University

EDUCATION

- 2006 Ph.D., Anthropology, The Pennsylvania State University (Chair: James Wood).
Thesis: 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

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

- 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 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)

- 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)

38. Walter BS*, and **DeWitte SN**. In press. Urban and Rural Mortality and Survival in Medieval England. *Annals of Human Biology*
37. Redfern RC, Judd M, and **DeWitte S**. In press. Multiple injury and health in past societies: an analysis of concepts and approaches, and insights from a multi-period study. *International Journal of Osteoarchaeology*.
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* doi:10.1093/pubmed/fdw044.
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, Mittnik 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 USA* 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

3. **DeWitte SN**. 2017. Sex and frailty in medieval Europe: Patterns from catastrophic and attritional assemblages. In S Argawal 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.

REFEREED ENCYCLOPEDIA ENTRIES

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

PUBLICATIONS SUBMITTED FOR PEER REVIEW

- Betsinger TR, and **DeWitte S**. Health of a medieval Polish urban population. Submitted to *International Journal of Paleopathology*.
- DeWitte SN**, and Yaussy SL. Short Stature and Famine Mortality in Medieval London. Submitted to *Bioarchaeology International*.
- DeWitte SN**. Misconceptions about the Bioarchaeology of Plague. In Buikstra JE (Ed) *Bioarchaeologists Speak Out*.

PUBLISHED ABSTRACTS/PROFESSIONAL MEETING PRESENTATIONS

- 2017 **DeWitte SN**. Sex differences in pre- vs. post-Black Death trends in survivorship. *American Journal of Physical Anthropology Supplement* 162:162.
- 2017 Betsinger TK, and **DeWitte SN**. Urbanization's impact: health and survivorship patterns in Medieval Poland. *American Journal of Physical Anthropology Supplement* 162:121

- 2017 Duncanson ME, **DeWitte SN**, and Crespo FA. 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.
- 2017 Wilham KN, Diblasi PJ, **DeWitte SN**, and Crespo FA. Periodontal disease and periosteal lesions in a prehistoric population from Kentucky: searching for evidence of systemic inflammation. *American Journal of Physical Anthropology Supplement* 162:409.
- 2017 Yaussy SL, and **DeWitte SN**. Childhood and famine in Medieval London. *American Journal of Physical Anthropology Supplement* 162:416.
- 2017 **DeWitte SN**. Sex differences in pre- vs. post-Black Death trends in developmental stress markers. Society for American Archaeology, Vancouver, BC.
- 2017 **DeWitte SN**. Sex differences in pre- vs. post-Black Death trends in developmental stress markers. Skeletal Biology in the Carolinas, Greensboro, NC
- 2016 **DeWitte SN**. Misconceptions about the bioarchaeology of plague. American Anthropological Association, Minneapolis, MN. Invited paper.
- 2016 **DeWitte SN**. 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.
- 2016 Redfern R, **DeWitte S**, and Judd M. Do people with multiple injuries also have poor health? *American Journal of Physical Anthropology Supplement* 62:265.
- 2016 Walter BS, and **DeWitte S**. Urbanization and Mortality Risk in Late Medieval London. *American Journal of Physical Anthropology Supplement* 62:327.
- 2016 Yaussy SL, and **DeWitte SN**. Sex and Famine: Mortality Differentials in Medieval London. *American Journal of Physical Anthropology Supplement* 62:341.
- 2016 Yaussy SL, and **DeWitte SN**. Patterns of physiological stress among victims of medieval crisis mortality. Invited paper. Paleopathology Association, Atlanta, GA.
- 2016 Crespo F, Klaes C, Alnaeeli M, and **DeWitte S**. Osteoimmunology: a new frontier in paleopathology. Paleopathology Association, Atlanta, GA.
- 2016 Duncanson M, Klaes C, **DeWitte S**, and Crespo F. Periosteal lesions as marker for systemic inflammatory shifts in tuberculosis and leprosy infections: an *in vitro* analysis. Paleopathology Association, Atlanta, GA.
- 2015 **DeWitte SN**. Parsing the paradox: examining heterogeneous frailty in bioarchaeological assemblages. American Anthropological Association, Denver, CO. Invited paper.
- 2015 Redfern R, and **DeWitte SN**. 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
- 2015 **DeWitte SN**, and Yaussy S. Famine and frailty: crisis mortality and stature in medieval London. *American Journal of Physical Anthropology Supplement* 60:122. Invited paper.
- 2015 Walter BS, and **DeWitte S**. Temporal survival analysis of medieval St. Mary Spital, London (c. 1120-1400 CE). *American Journal of Physical Anthropology Supplement* 60:319.
- 2015 Klaes C, Lawrenz M, **DeWitte SN**, and Crespo F. 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* 60:190
- 2015 **DeWitte SN**. Developmental stress and disease susceptibility: the association between skeletal indicators of leprosy and other physiological stressors. Society for American Archaeology, San Francisco, CA.
- 2014 **DeWitte SN**. Setting the stage for medieval plague: pre-Black Death trends in survival and mortality. *American Journal of Physical Anthropology Supplement* 58: 105-06
- 2014 **DeWitte SN**. The aftermath of catastrophic mortality: physiological stress, stature, and the effects of the Black Death. Society for American Archaeology, Austin, TX.

- 2014 Walter BS, **DeWitte S**, Redfern R, and Bekvalac J. Sex, age, and caries: sex differences in caries frequency in medieval London. *American Journal of Physical Anthropology Supplement* 58:265
- 2014 Klaes C, Lawrenz M, **DeWitte S**, and Crespo F. 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.
- 2013 **DeWitte SN**. The demographic effects of medieval plague: mortality risk and survival in post-Black Death London. Society for American Archaeology, Honolulu, HI.
- 2013 **DeWitte SN**. 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.
- 2013 Boulware JC and **DeWitte SN**. Medieval monastic mortality: hazard analysis of mortality differences between monastic and non-monastic cemeteries in England. *American Journal of Physical Anthropology Supplement* 56:86.
- 2013 Parker D, Wood J, Tomita S, **DeWitte S**, Sirichaisinthop J, and Cui L. 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.
- 2013 Walter BS and **DeWitte SN**. 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.
- 2013 Parker D, Wood J, Tomita S, **DeWitte S**, Sirichaisinthop J, and Cui L. Household level predictors and migration: A micro-demographic study of Karen villages along the Thai-Myanmar Border. Population Association of America, New Orleans, LA
- 2012 **DeWitte SN**. Sex differences in periodontal disease in catastrophic and attritional assemblages from medieval London. Society for American Archaeology, Memphis, TN.
- 2012 **DeWitte SN** and Pollard J. 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
- 2012 Bos KI, Schuenemann VJ, Golding GB, Burbano HA, Waglechner N, Coombes BK, McPhee JB, **DeWitte SN**, Poinar HN, and Krause J. A draft genome of *Yersinia pestis* from victims of the Black Death. *American Journal of Physical Anthropology Supplement* 54:103
- 2012 Krause J, Bos KI, **DeWitte SN**, Schuenemann VJ, and Poinar HN. The genome of the Black Death. Paleopathology Association, Portland, OR.
- 2011 **DeWitte SN**. Paleodemographic Analyses of the 14th-century Black Death. Invited paper, Anglo-American Conference, London, UK.
- 2011 **DeWitte SN**. Paleoepidemiological modeling of the second epidemiological transition in London. Invited paper, SCIAA Post-Doctoral Fellows Conference, University of South Carolina.
- 2011 **DeWitte SN** and RC Redfern. The effect of social status on risks of mortality in Roman Dorset, England. *American Journal of Physical Anthropology Supplement* 52:125
- 2011 **DeWitte SN**. Sex and frailty: patterns from catastrophic and attritional assemblages. Invited paper, Society for American Archaeology, Sacramento, CA.
- 2010 **DeWitte SN**. The relationship between oral health and general health: associations between periodontitis and non-oral skeletal pathologies. *American Journal of Physical Anthropology Supplement* 50:94.
- 2009 **DeWitte SN**. Death and dying in the Middle Ages: The Black Death of 1347-1351. Society for Literature, Science, and the Arts, Atlanta, GA.

- 2009 **DeWitte SN.** The effect of adult age estimates on inferences about sex patterns of mortality. *American Journal of Physical Anthropology Supplement* 48:174.
- 2009 **DeWitte SN.** Mortality patterns of the 14th-century Black Death: the skeletal evidence. Invited paper, Rhetorics of Plague Symposium, University at Albany, NY.
- 2008 Bos KI, **DeWitte SN**, and HN Poinar. Metagenomics and disease in past human populations. Canadian Association of Physical Anthropology, Hamilton, ON.
- 2008 **DeWitte SN**, Hughes GM, and Reedy SC. 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.
- 2008 **DeWitte SN.** Distribution of skeletal lesions within the East Smithfield Black Death cemetery. Society for American Archaeology, Vancouver, BC.
- 2007 **DeWitte SN.** Age and sex patterns of Black Death mortality: estimates from the East Smithfield cemetery. Society for American Archaeology, Austin, TX.
- 2007 **DeWitte SN.** Black Death mortality: selectivity with respect to frailty. *American Journal of Physical Anthropology Supplement* 44:97.
- 2004 Sparks CS and **DeWitte-Aviña SN.** Population dynamics under catastrophic mortality: the case of the Black Death. *American Journal of Human Biology* 16:187.
- 2002 Wood JW, Ferrell RJ, and **DeWitte-Aviña SN.** 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.
- 2002 Wood JW, Ferrell RJ, **DeWitte-Aviña SN**, and Holman DJ. Mortality differentials during the Black Death in England, 1349. *American Journal of Human Biology* 14:95.

ORGANIZED SESSIONS

- 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. *Journal of Physical Anthropology Supplement* 162: 61.
- 2017 Walter BS, and **DeWitte SN.** Bioarchaeology of Transition: Health and Changing Environments (joint AAPA-PPA session). *Journal of Physical Anthropology Supplement* 162:17.

BOOK REVIEWS

- 2016 **DeWitte SN.** 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.
- 2011 **DeWitte SN.** 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.
- 2007 **DeWitte SN.** Review of Chamberlain D (2006) *Demography in Archaeology*. Cambridge: Cambridge University Press. *American Journal of Physical Anthropology* 135:247-248.

NON-REFEREED PUBLICATIONS

- 2017 **DeWitte SN.** 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:
- 2008 **DeWitte SN.** Distribution of skeletal lesions within the East Smithfield Black Death cemetery. *Society for Archaeological Sciences Bulletin* 31:15-18.

INVITED TALKS/SEMINARS/WORKSHOPS

- 2017 Sage Colleges, Women in Science Lecture, "Famine and Plague: Health and Survival in the Face of Medieval Demographic Crises"
- 2016 Davidson University, "The Black Death and Society: the Consequences of a Medieval Mortality Crisis"
- 2016 University of Tennessee, Knoxville, Department of Anthropology Visiting Lecture Series
- "Famine and Plague: Health and Survival in the Face of Medieval Demographic Crises"
 - "The Bioarchaeology of Plague: Biological and Social Responses to the Black Death in London"
- 2016 Clemson University, Department of Sociology and Anthropology and The Strom Thurmond Institute, "Bioarchaeology of Plague: Health and Demography in Medieval London"
- 2016 University of Michigan School of Law, Legal Theory Workshop, "The Medieval Black Death: Analysis of the Emergence and Consequences of a Historic Plague Epidemic"
- 2015 University of North Carolina, Chapel Hill, "Bioarchaeology of Plague: Health and Demography in Medieval London"
- 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 "Bioarchaeology of Plague: Health and Demography in Medieval London"
- 2015 Arizona State University Center for Evolution and Medicine Seminar, "Epidemics Past and Present: What Historic Diseases Tell Us About Future Threats"
- 2015 Cleveland State University Department of History, "The Bioarchaeology of Plague: Health and Survival in 14th-Century London"
- 2014 The Pennsylvania State University Department of Anthropology Colloquium Series, "In the Aftermath of Plague: Health and Demography in Post-Black Death London"
- 2014 Cypress College Anthropology Department, "Bioarchaeology of the Black Death: Insights from an Epidemic Cemetery"
- 2014 The Ohio State University
- University-wide talk: "The Bioarchaeology of Medieval Plague - Insights from an Epidemic Cemetery"
 - Department of Anthropology talk, "In the Aftermath of Plague: Health and Demography in Post-Black Death London"
- 2014 UNC Wilmington, Identity and Humanity in Anthropology Series, "The Bioarchaeology of Medieval Plague - Insights from an Epidemic Cemetery"
- 2013 Seminar Series: Arizona State University School of Human Evolution and Social Change:
- "The Demographic Effects of Medieval Plague: Survival and Mortality in the Aftermath of the Black Death."
 - "Hazard Analysis and Paleodemography: The Case of Medieval Monastic Health."
- 2013 University of Louisville Department of Anthropology Lecture Series, "The Paleodemography of Medieval Plague: Health and Mortality in Post-Black Death London"
- 2013 Coastal Carolina University Explorations Lecture Series, "'Bring Out Your Dead!': the Archaeology of Medieval Plague,"
- 2012 School for Advanced Research Colloquium Series, "The Demographic Effects of Medieval Plague: Longevity and Health in Post-Black Death London"
- 2011 Hunter College, Anthropology Graduate Student Association Women in Archaeology Conference, "Disease and Gender in Medieval Europe"

- 2010 SUNY New Paltz Speaker Series, “Anthropology, Epidemics, and Evolution: the Case of the Medieval Black Death”
- 2010 McGill University, Department of Epidemiology, Biostatistics, and Occupational Health Biostatistics Seminar, “Paleodemographic Modeling: Mortality During the Medieval Black Death”
- 2010 Rutgers University, Extinction Signature Course, “Emerging Infectious Diseases and Catastrophic Mortality: The Case of the Medieval Black Death”
- 2010 Wake Forest University, Museum of Anthropology Public Lecture, “Death in Medieval London: The Black Plague of 1349”
- 2008 Skidmore College, Women in Science Lecture Series, “Risk of Death during the Black Plague: the Skeletal Evidence”
- 2008 McMaster University, Anthropology Department Colloquium, “The Black Death: Mortality Patterns from a Medieval Catastrophic Burial Ground”
- 2008 University of Massachusetts, Amherst, Anthropology Department Colloquium, “The Black Death: Mortality Patterns of the 14th-Century Epidemic”

SEMINARS/WORKSHOPS (PARTICIPANT)

- 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)

Physical Anthropology Graduate Proseminar

GRADUATE STUDENT COMMITTEES

Completed Masters

Agatha Kenda Chalaopak, Committee Member, University of South Carolina, 2017

Jordan Karsten, Chair, University at Albany, 2011

Bianca Englese, Chair, University at Albany, 2010

Heather Miller, Chair, University at Albany, 2010

Melanie Brasor, Chair, University at Albany, 2009

Jasmine Munk, Chair, University at Albany, 2009
 Sarah Reedy, Chair, University at Albany, 2007
 Samantha Yaussy, Chair, University of South Carolina, 2015
 Krysta Wilham, Committee Member, University of Louisville, 2017

Current PhD

Jessica Boulware, Co-Chair, University of South Carolina
 Erin O'Neill, Committee Member, University at Albany
 Kelli Tamvada, Committee Member, University at Albany
 Brittany Walter, Chair, University of South Carolina
 Samantha Yaussy, Chair, University of South Carolina

Completed PhD

Gail Hughes Morey, Chair, University at Albany, SUNY 2012 (current position: Assistant Professor of Research, Department of Occupational Therapy, Russell Sage College)

MENTORED UNDERGRADUATE RESEARCH

Melanie Brasor, University at Albany, 2007 (independent study)
 Bianca Englese, University at Albany, 207 (independent study)
 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)

SERVICE

DEPARTMENTAL

2016	University of South Carolina Department of Anthropology Ann Kingsolver Research and Professionalization Skills Fund Committee
2012 –	University of South Carolina Department of Anthropology Graduate Admissions Committee
2012	University of South Carolina Southern Studies/Sociocultural Anthropology Search Committee
2011	University of South Carolina Linguistic Anthropology Search Committee
2009 – 2011	Department of Anthropology, University at Albany Graduate Affairs Committee
2007 – 2009	Faculty Sponsor for University at Albany chapter of Lambda Alpha
2007 – 2009	Speaker Series Coordinator, Department of Anthropology, University at Albany
2007	University at Albany Paleoanthropology Search Committee

UNIVERSITY

University of South Carolina

2017	USC ASPIRE I Grant Review Committee
2015 – 2016	USC NSF Graduate Research Fellowship Committee
2015 – 2016	SPARC Graduate Research Grant Review Committee
2014 – 2015	Office of the Provost Social Sciences Grant Committee
2104	Presentation at Carolina's Promise Capital Campaign Meeting

- 2013 Presentation at CAS Board of Visitors Meeting
 2012 – 2013 Guest lectures, STEPS to Stem (STEM 101)
 2012 Guest lecture Office of Undergraduate Research *Discover* course

University at Albany, SUNY

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

PROFESSIONAL

- Panel member, National Science Foundation Review Panel
 2017 - present Secretary, Paleopathology Association
 2014 - present Academic Editor, PLOS ONE
 2013 - present Associate Editor, *American Journal of Physical Anthropology*

Ad Hoc Reviewer for:

Journals: *American Anthropologist*, *American Journal of Human Biology*, *American Journal of Physical Anthropology*, *Archives of Oral Biology*, *Bioarchaeology International*, *Demographic Research*, *European Journal of Archaeology*, *Geography Compass*, *International Journal of Osteoarchaeology*, *International Journal of Paleopathology*, *Journal of Archaeological Science*, *PLOS One*

Funding Agencies: American Association of Physical Anthropologists (Professional Development Grant), Canada Foundation for Innovation, National Geographic Society, National Science Foundation, Social Sciences and Humanities Research Council of Canada

Other Professional Service:

- 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

- 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
 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 Symposium

PROFESSIONAL MEMBERSHIPS

American Association of Physical Anthropologists, American Anthropological Association, Human Biology Association, Paleopathology Association, Sigma Delta Epsilon/Graduate Women in Science, Society for American Archaeology

SELECTED MEDIA APPEARANCES

- TED-Ed educational video, “The past, present and future of the bubonic plague,” <http://ed.ted.com/lessons/the-past-present-and-future-of-the-bubonic-plague-sharon-n-dewitte>
- Research featured in the following articles:
 - “Plague may not be solely to blame for Black Death’s mortality”, Newscientist.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 or popular science programs:
 - CBC program, *The Nature of Things: Secrets in the Bones: The Hunt for the Black Death Killer*, 1/16/13
 - 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

SELECTED ACADEMIC AWARDS AND HONORS

- Office of Student Disability Services Two Thumbs Up Award 2017
- University of South Carolina 2014 Breakthrough Star
- Lambda Alpha, National Anthropology Honor’s Society
- Phi Kappa Phi Honor Society, The Pennsylvania State University
- National Science Foundation Graduate Research Fellowship Competition Honorable Mention (2000)