

Academic Year 2012-2013 Publications and Conference Presentations Faculty and Students Associated with the Forensic Anthropology Center

Publications

- Abdel Fatah EE, Shirley NR, Mahfouz MR, Auerbach BM. (2012) A Three-Dimensional Analysis of Bilateral Directional Asymmetry in the Human Clavicle. *American Journal of Physical Anthropology* 149(4):547-59.
- Andronowski JM, Crowder C. 2012. Bone Area as a histomorphometric variable for evaluating age-related changes. *Am J Phys Anthropol*, 147(54): 84-84.
- Berryman HE, NR Shirley, and AK Lanfear. (2012). Basic Gunshot Trauma Interpretation in Forensic Anthropology. In Tersigni-Tarrant, MT and NR Shirley, editors. *Forensic Anthropology: An Introduction*. Taylor and Francis Group Publishing.
- Berryman HE, Shirley NR, and AK Lanfear (2012) Low Velocity Trauma Interpretation in Forensic Anthropology. In Tersigni-Tarrant, MT and NR Shirley, editors. *Forensic Anthropology: An Introduction*. Taylor and Francis Group Publishing.
- Cabana GS, Hulseley BI, Pack FL. 2012. Molecular Methods for Skeletal Biologists. In: EA DiGangi & MK Moore. *Research Methods in Human Skeletal Biology*, 449-482.
- Devlin, J. 2013. *Anthropology Course Reader, Editor's Choice Electronic Compilation*. Forensic Anthropology. Wadsworth/Cengage, Belmont, CA.
- Jeong, Yangseung, Woo EJ, Pak S. 2013. No significant difference in the levels of dental fluctuating asymmetry between hypoplastic and non-hypoplastic groups from the Joseon Dynasty (mid 15th-early 20th century), South Korea. *Archives of Oral Biology*, in press.
<http://dx.doi.org/10.1016/j.archoralbio.2013.03.003>.
- Steadman, Dawnie Wolfe. 2013. *The Places We Will Go: Paths Forward in Forensic Anthropology*. In: *Forensic Science: Current Issues, Future Directions*. Douglas H. Ubelaker, ed. Wiley-Blackwell Press. pp-131-159.
- Tersigni-Tarrant, MT and NR Shirley. (2012). *Human Osteology*. In Tersigni-Tarrant, MT and NR Shirley, editors. *Forensic Anthropology: An Introduction*. Taylor and Francis Group Publishing.
- Worne, Heather, Charles R. Cobb, Giovanna Vidoli and Dawnie Wolfe Steadman. 2012. *The Space of War: Connecting Geophysical Landscapes with Skeletal Evidence of Warfare-Related Trauma*. In: *The Bioarchaeology of Violence*. D.L. Martin, R.P. Harrod and V.R. Perez, eds. pp 141-159.

Conference Papers/Posters/Symposia/Workshops

Algee-Hewitt, Bridget F.B. 2013. *Crania, coordinates, and clusters: testing a finite mixture modeling approach for the detection of population structure in modern America using high-dimensional data*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Algee-Hewitt, Mark A. and Bridget F.B. Algee-Hewitt. 2013. *Finding the place of race in anthropological discourse: a digital textual analysis*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Bowers, Christopher, Graciela S. Cabana and Bridget F.B. Algee-Hewitt. 2013. *Assessing damages: testing the assumptions of a non-destructive protocol for DNA extraction from modern human teeth*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Dautartas, Angela M., Bridget F.B. Algee-Hewitt, K. Driscoll, Courtney Eleazer, K. Godde, Brannon I. Hulsey and Andrew Kramer. 2013. *Identifying hominin hybridity in light of taxonomy: testing a Papiro model using craniometrics*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Devlin, J. 2012. *Invited Speaker. The Forensic anthropology Center. History and Research. Pennsylvania State Coroners' Association Convention. September 20, 2012.*

Dudzik, Beatrix and Lee Meadows Jantz. 2013. *Investigating shape changes in American White and Black cranial dimensions: a 3d geometric morphometric approach*. Poster presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 11, 2013.

Fazlollah, Alice E., M. Jared Wood, and Brigitte Wray-Miller. 2013. *The Application and Use of Cyclodocane, Part II: En Bloc Removal of Osteological Remains*. Poster Presented at the American Association of Physical Anthropologists in Knoxville, TN. April 11-13, 2013.

Figueroa Soto, Cristina and Spradley, Kate. 2013. *Cranial variation among three different regions in Mexico*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Guthrie, Erin, Giovanna Vidoli, Daniel Seib and Nina Versaggi. 2013. *Poorhouse portrait: Analysis of the burial population in a New York poorhouse and tuberculosis ward cemetery*. Paper presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 11, 2013.

Tricia R. Hepner. "Massacres, Mass Graves, and the Measure of Reconciliation in Northern Uganda." Paper presented at American Ethnological Society/Association of Political and Legal Anthropology Joint Spring Conference, Chicago, April 11-13, 2013.

Hulsey Brannon I. 2013. *Evolvability and integration in human and non-human primate limbs*. Paper presented at the 82nd Annual Meeting of the American Association of Physical Anthropologists, Knoxville, Tennessee, April 12, 2013.

Jantz, Lee Meadows and Joanne Devlin. 2012. *Invited Speaker. Forensic anthropologists and missing persons*. Rutherford County Cold Case Conference. August 13, 2012.

Jantz Richard L, Ntaalie R. Shirle, E.E. Abdel Fatah, M.R. Mahfouz. (2013). *Improving Sex Estimation from Crania Using 3-dimensional Models from CT Scans*. Oral Presentation at the 2013 National Institute of Justice Forensic Science Research and Development Grantees Meeting in Washington, D.C. Feb. 19th.

Jeong, Yangseung. 2013. *Comparing the level of dental fluctuating asymmetry between hypoplastic and non-hypoplastic samples from the Joseon Dynasty, South Korea*. Paper presented at the Society for American Archaeology. Honolulu, HI. April 2013.

Jeong, Yangseung. 2013. *First oviposition timing of blow flies on human cadavers*. Poster presented at the American Academy of Forensic Sciences. Washington, D.C. February 2013.

Jeong, Yangseung. 2013. *Decomposition pattern of human heads as related to insect activity*. Paper presented at the American Academy of Forensic Sciences. Washington, D.C. February 2013.

Jeong, Yangseung. 2013. *Introduction to Forensic Anthropology Center of the University of Tennessee, Knoxville*. Paper presented at the Korean Academy of Paleopathology and Osteoarchaeology (KAPO). Seoul, Korea. January 2013.

Kim, Jieun. 2013. *"Potentials of Transition Analysis in its Application to Korean Archaeological Skeletal Samples."* Paper presented at the Society for American Archaeology. Honolulu, Hawaii. April 2013.

Kim, Jieun, Dawnie Wolfe Steadman, SunYong Pak and Dong Hoon Shin. 2013. *Do two age-related characteristics identified in Korean archaeological skeletal samples influence Transition Analysis final age-at-death estimates?* Poster presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 12, 2013.

Lopez, Maria Alexandra. 2013. *Justice and Peace in Colombia: Identifying victims of war*. Poster presented at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Mahfouz MR, Abdel Fatah EE, Shirley NR, Herrmann NP, Mustafa A (2013). *Computerized Reconstruction of Fragmentary Skeletal Remains*. Oral Presentation at the American Academy of Forensic Sciences 2013 Annual Meetings in Washington, D.C. Feb. 18-23.

Maijanen, Heli. 2013. *Reported and Observed Healed Fractures in a Modern Skeletal Collection*. Poster presented at the American Academy of Forensic Sciences in Washington DC. February 22, 2013.

- Maijanen, Heli and Dawnie Wolfe Steadman. 2013. Cancer-related lesions in a contemporary skeletal collection with known cancer cases. Poster presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 12, 2013.*
- Maijanen, Heli. 2013. Co-Organizer and presenter, Donald J. Ortner PPA Workshop Rheumatic Diseases in Antiquity and Contemporary Populations. Workshop presented at the Paleopathology Association in Knoxville, Tennessee. April 9, 2013.*
- May, Shannon. 2013. An ELISA examination of pro-inflammatory proteins in human blood samples: A potential means for investigating diabetes in postmortem human remains. Poster presented at the American Academy of Forensic Sciences. Washington, DC. February 21, 2013.*
- McCormick, Kyle, Michael Kenyhercz and Nicholas Passalacqua. 2013. A Reexamination of Age-at-Death Estimation from the Human Sacrum. Poster presented at the American Association of Forensic Sciences in Washington, D.C., February 20, 2013.*
- McCormick, Kyle. 2012. Invited Speaker. Using FORDISC to Assess the Ancestry of Unknown Individuals from an Unmarked Cemetery from Nevada. KGU Forensic Osteology Workshop, Department of Anatomy, Faculty of Medicine, Khon Kaen University, Thailand. November 28, 2012.*
- Mileusnic-Polchan Darinka, Christina L Fojas, Dawnie Wolfe Steadman, Murray K. Marks. 2013. Postmortem Redistribution and Necrokinetics of Amphetamine, Cocaine, Morphine, and Oxycodone During Post-Embalming Decomposition. Paper presented at the 65th Annual Meeting of the American Academy of Forensic Sciences, Washington, DC. February 22, 2013.*
- Minsky-Rowland, Jocelyn D. 2013. The effect of sex and biological stress on the skeletal expression of infectious disease during the reproductive years. Poster Presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 12, 2013.*
- Minsky-Rowland, Jocelyn D. and Dawnie Wolfe Steadman. 2013. Unusual pathological reactions in an individual from prehistoric west-Central Illinois. Poster presented at the Paleopathology Association in Knoxville, Tennessee. April 10, 2013.*
- Pack, Frankie L, Brannon I Hulsey, Bridget F. Algee-Hewitt, Dawnie Wolfe Steadman, and Graciela S. Cabana. 2013. "Assessing the Utility of a Non-destructive DNA Extraction Technique on Forensically Relevant Samples." Poster presented at the Disasters, Displacement, and Human Rights Conference, The University of Tennessee, Knoxville, Tennessee. February 9, 2013.*
- Pack, Frankie L. and Angela M. Dautartas. 2013. "Assessing the correlation between dermatoglyphics and genetic data in worldwide populations" Poster presented at the American Association of Physical Anthropologists, Knoxville, Tennessee. April 11, 2013.*
- Sauerwein, Kelly, Kyra E. Stull, and Michelle D. Hamilton. 2013. The Interaction of DISH and Obesity on a Pathological Anterior Pubis. Poster presented at the American Association of Physical Anthropologists in Knoxville, TN. April 12, 2013.*

- Scopa, Kelso, R. 2013. *Chicken or the egg?: The incidence of lower limb pathology and the association with individuals with increased body mass. Poster presented at The 125th Annual Meeting of the American Association of Anatomists in Boston, Massachusetts. April 22, 2013.*
- Scopa, Kelso, R. 2013. *The Health and Status of Children from the Middle and Late Mississippian Periods in the Tennessee. Paper presented at the 81th Annual Meeting of the American Association of Physical Anthropologists Annual Conference in Knoxville, Tennessee. April 11 2013.*
- Scopa Kelso, R. 2012. *The Health and Status of Tennessee Children in the Mississippian Period. Symposium: Culture, morbidity and mortality in the Southeast: Current research in bioarchaeology; T. Betsinger, M. O. Smith, M. Harle. Paper presented at the Southeastern Archaeological Conference in Baton Rouge, Louisiana. November 9, 2012.*
- Shirley NR and Dudzik B (2013). *Investigating Macroscopic Changes of the Pubic Symphysis at the Young End of the Age Spectrum. Oral Presentation at the American Academy of Forensic Sciences 2013 Annual Meetings in Washington, D.C. Feb. 18-23.*
- Skorpinski, Katherine E. and Alice E. Fazlollah. 2013. *Wearing down old perspectives: The prevalence of severe dental attrition in modern individuals. Poster Presented at the American Academy of Forensic Sciences in Washington, D.C. February 20-23, 2013.*
- Steadman, Dawnie Wolfe. 2013. *Co-Organizer and presenter, Donald J. Ortner PPA Workshop, The Biomechanics, Biology and Interpretation of Bone Fracture. Workshop presented at the Paleopathology Association in Knoxville, Tennessee. April 9, 2013.*
- Steadman, Dawnie Wolfe. 2013. *DDHR: Bridging the Sciences in Human Rights Investigations. Inaugural Symposium in Disasters, Displacements and Human Rights in Knoxville, Tennessee. February 9, 2013.*
- Steadman, Dawnie Wolfe. 2012. *Theorizing Forensic Human Rights Investigations. Paper presented at the American Anthropological Association in San Francisco, California. November 18, 2012.*
- Synsteliën, Jennifer A. (2013). *Raccoon Modification of Human Skeletal Remains. Poster presented at the 82nd Annual Meeting of the American Association of Physical Anthropologists, Knoxville, Tennessee, April 8-12.*
- Tallman, Sean D. and Mindy R. Simonson. 2013. *Challenging Archaeology: Archaeological Approaches to the Recovery of Human Remains from Papua New Guinea. Paper presented at the Society for American Archaeology in Honolulu, Hawaii. April 2013.*
- Vidoli, Giovanna, Heather Worne, Dawnie Wolfe Steadman and Charles R. Cobb. 2013. *Middle Cumberland regional relationships and the Mississippian geopolitical landscape. Paper presented at the American Association of Physical Anthropologists in Knoxville, Tennessee. April 13, 2013.*
- Vidoli, Giovanna and Amy Z. Mundorff. 2012. *Victim Fragmentation Patterns and Seat Location Supplements Crash Data: American Airlines Flight 587. Aviation, Space, and Environmental Medicine 83(4):412-417.*
- Wheat, Amber D. and Bridget Algee-Hewitt. 2013. *The Reality of Virtual Anthropology: Testing the utility of computer generated models for the quantitative assessment of the cranium. Poster presented*

at the Annual Meeting of the American Academy of Physical Anthropologists, Knoxville, TN, April 11-13, 2013.

Yerka, Stephen J, Joanne Devlin, and Nicholas Herrmann. 2013. Multi-Instrument Geophysical Surveys of Buried Human Remains in East Tennessee. Poster presented at the 65th annual Meeting of the American Academy of Forensic Sciences, Washington, DC. February, 2013.

Yerka, Stephen J, Joanne Devlin, and Nicholas Herrmann. 2012. Multi-Instrument Geophysical Survey of Historic and Experimental Human Burials in Middle and East Tennessee. Paper presented at the Archaeological Sciences of the Americas Symposium (ASAS), Nashville, TN. October 5-6, 2013.