DAWNIE WOLFE STEADMAN, Ph.D., D-ABFA

Chancellor's Professor of Anthropology
Director Emeritus, Forensic Anthropology Center
Department of Anthropology, University of Tennessee
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EDUCATION and CERTIFICATION

D-ABFA, 2005 Board Certification in Forensic Anthropology, American Board of Forensic Anthropology. Diplomate No. 72.

Ph.D., 1997 Department of Anthropology, University of Chicago.
Dissertation: *Prehistoric Biological Interactions in West Central Illinois: A Population Genetics Approach*.

M.A., 1992 Department of Anthropology, University of Chicago.
Thesis: *The Frequency and Incidence of Transverse Lines in Chiribaya Individuals.*

B.A., 1989 Department of Anthropology, University of Arizona. Minor in biology with emphasis on human anatomy and physiology.

PROFESSIONAL POSITIONS

2011 - Professor, Department of Anthropology, University of Tennessee, Knoxville.
2011 - 2025 Director, Forensic Anthropology Center, University of Tennessee, Knoxville.
2010 - 2012 Professor, Department of Anthropology, Binghamton University, SUNY.
2010 - 2011 Forensic Anthropology Consultant, Onandago County Medical Examiner.
2009 - 2011 Forensic Anthropology Consultant, Nassau County Medical Examiner's Office.
2006 - 2010 Associate Professor, Department of Anthropology, Binghamton University
2004 - 2011 Adjunct Assistant Professor, SUNY Upstate Medical University, Department of Cell and Developmental Biology.
2002 - 2011 Forensic Anthropology Consultant, Suffolk County Medical Examiner's Office, New York.
2001 - 2008 Fellow, Institute for Primary and Preventative Health Care, Binghamton University.
2000 – 2010 Forensic Anthropology Consultant, Iowa Department of Public Health, Office of the Medical Examiner.
2000 - 2006 Assistant Professor, Department of Anthropology, Binghamton University
1997 - 2000 Assistant Professor, Department of Anthropology, Iowa State University.
1995 - 1996 Adjunct Professor, Anatomy and Physiology, Department of Liberal Arts and Sciences, Moraine Valley College.

HONORS and AWARDS

2026	Distinguished Service Professorship Award, University of Tennessee Alumni Association
2020 -	Chancellor's Professor, University of Tennessee
2020 - 2025	Dr. William H. Bass Professor, University of Tennessee
2017 – 2019	Betty Lynn Hendrickson Professorship, University of Tennessee
2011	Elected as Fellow of the American Association for the Advancement of Science

RESEARCH GRANTS (Last 10 years only)

2025-2026	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators" PVB2025. $287,863.
2025	Mae Foundation. Dawnie Wolfe Steadman and Shawn Campagna. "The volatile organic compounds of residual odor." $100,000.
2024-2026	National Science Foundation. George Perry, Mark Hubbe, Collen Cheverko, Dawnie Wolfe Steadman. NSF #2341331. "Collaborative Research: Development and application of a robust method for age estimation from human bone using DNA methylation markers." $597,803 total ($21,547 UTK)
2024-2025	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators" PVB2024. $282,671
2023-2025	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. Dawnie Wolfe Steadman, Mary Cablk, James Ha, Shawn Campagna. 15PNIJ-22-GG-04412-SLFO "Application of Analytical Chemistry to Test the Accuracy of Human Residual Odor Detection by Cadaver Dogs." $395,516.
2023-2024	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2023." $269,652.
2022-2023	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2022." $229,070.
2022-2023	Student Faculty Research Award (SFRA), University of Tennessee. Caroline Znachko and Dawnie Wolfe Steadman. "Correlating Epigenetic Markers of Stress from Human Blood and Bone with Skeletal Manifestations of Stress." $4676.
2022-2024	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. Audris Mockus and Dawnie Wolfe Steadman. 15PNIJ-21-GG-04161-SLFO "Deep Learning Methods for Postmortem Interval Estimation." $406,468.
2021-2022	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2021." $226,765.

2020-2021	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2020." $209,878.
2020-2021	Defense Advanced Research Projects Agency (DARPA). C. Neal Stewart, Scott Lenaghan, Jennifer DeBruyn, Amy Mundorff, Dawnie Wolfe Steadman. "SPOT: Signatures in Plants Over Targets." $930,231.
2020-2021	International Committee of the Red Cross (ICRC). Dawnie Wolfe Steadman, Giovanna Vidoli. "Efficacy and Durability of the Better Body Bag: Outdoor Longitudinal Testing at the Anthropology Research Facility." $59,805
2021-2021	School for Advanced Research (SAR). Tricia Hepner and Dawnie Wolfe Steadman. "Restless Spirits and Human Remains: Life, Death and Social Justice in Post-War Northern Uganda." Workshop September 27 – October 1, 2021.
2020–2021	Student Faculty Research Award (SFRA), University of Tennessee. Hayden McKee-Zech and Dawnie Wolfe Steadman. "Assessing the impacts of end-of-life prescription medications on blow fly larval development." $4923
2020–2021	Student Faculty Research Award (SFRA), University of Tennessee. Karli Palmer and Dawnie Wolfe Steadman. "Gaining insight into fluvial transport by tracking an artificial drowning victim." $3309
2019-2021	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. Dawnie W. Steadman, Jennifer DeBruyn, Shawn Campagna. DOJ-NIJ-2018-DU-BX-0180. "The Impact of Drugs on Human Decomposition and the Postmortem Interval: Insect, Scavenger and Microbial Evidence." $726,629.
2019-2021	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. Audris Mockus and Dawnie Wolfe Steadman. DOJ-NIJ- 2018-DU-BX-0181 "Automation-Supported Curation of Large Forensic Image Databases." $354,751.
2019-2020	West Virginia University Biometrics Center of Excellence. Dawnie Wolfe Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2019." $188,653.
2019	Forensic Sciene Foundation, American Academy of Forensic Sciences, Lucas Grant. Armando Anzellini and Dawnie Wolfe Steadman. "Exploring intra-skeletal variation in stable isotope analysis through non-destructive approaches: Applications of the patterns of skeletal remodeling to forensic contexts." $4410.
2018-2019	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators PVB2018." $189,317.
2017-2018	West Virginia University Biometrics Center of Excellence. D.W. Steadman. "Longitudinal Study of the Postmortem Variability of Biometric Indicators." $231,830.

2017-2019	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. Audris Mockus and D. W. Steadman. DOJ-NIJ 2016-DN-BX-0179. "ICPUTRD: Image Cloud Platform for use in Tagging and Research on Decomposition." $327,372.
2017-2020	Department of Defense. D.W. Steadman. "Biometric Variability During Decomposition." $450,000.
2017-2018	University of Tennessee Faculty/Student Research Awards. T. Hepner and D.W. Steadman. "Spirits of the Dead and Transitional Justice in Northern Uganda." $4900.
2016-2018	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. M. Kenyhercz, G. Vidoli and D.W. Steadman. DOJ-NIJ 2015-DN-BX-K019. "Expanding Total Body Score with Geographic Information Systems." $250,024.
2015-2016	Combating Terrorism Technical Support Office/Technical Support Working Group. C. Boehnen, D. Bolme and D.W. Steadman. "Biometric Viability During Human Decomposition." $100,000.
2015-2017	National Institute of Justice, Applied Scientific Research to Support Forensic Science for Criminal Justice Purposes. G. Gordon, K. Knudson, A.D. Anbar, and D. Steadman. DOJ-NIJ 2014-DN-BX-K002. "Isotopic Taphonomy of Human Remains." $462,226.
2015-2017	NetBio, Inc. D. Steadman. "Advancement of Rapid DNA Technology on Human Remains." $48,216
2015-2017	National Institute of Justice, Applied Scientific Research to Support Forensic Science for Criminal Justice Purposes. N. Shirley, P. Wood, D. Steadman and D. Mileusnic. DOJ-NIJ 2014-DN-BX-K010. "Postmortem interval determination: A metabolomics/lipidomics approach." $193,079.
2015-2017	National Institute of Justice, Applied Research and Development in Forensic Science for Criminal Justice Purposes. J. Bytheway, D. Steadman and D. Wescott. DOJ-NIJ 2014-DN-BX-K009. "Validation Study of the Utility of Using Total Body Score and Accumulated Degree Days to Determine the Post-Mortem Interval of Human Remains from Three Human Decomposition Research Facilities."
2015	Southeastern Conference (SEC) Visiting Faculty Travel Grant. Faculty visit and lecture at the University of Florida. $1000.
2014	National Institute of Justice, Graduate Research Fellowship Program in Science, Technology, Engineering, and Mathematics with Sean Tallman. DOJ-NIJ 2014-DN-BX-0002. "The Evaluation and Refinement of Nonmetric Sex and Ancestry Assessment Methods in Japanese and Thai Individuals." $16,490.
2014-2016	National Institute of Justice, Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes. D. Steadman, G. Vidoli, L. Jantz, J. DeBruyn, S. Schaeffer, and R. Williams. 2013-DN-BX-K037. "A Multidisciplinary Validation Study of Non-human Animal Models for Forensic Decomposition Research." $226,382.

PUBLICATIONS

Peer Reviewed Articles and Book Chapters

88. Boyd DC, Steadman DW, Marzani GR, Andersen V. Recognizing and mitigating the effects of occupational exposure to traumatic death in forensic anthropology. *Journal of Forensic Sciences* 71:105–119. https://doi.org/10.1111/1556-4029.70246 (2026)
87. Nau AM, Ditto P, Steadman DW, Mockus A. Towards automation of human stage of decay identification: An artificial intelligence approach. *Journal of Forensic and Legal Medicine*. Sep 29:102987. https://doi.org/10.1016/j.jflm.2025.102987 (2025)
86. Seitz VA, McGivern BB, Shaffer M, Borton MA, Belk AD, Ghadermazi P, Martino C, Shenhav L, Zhang AR, Shi P, Emmons A, Deel H, Xu ZZ, Nieciecki V, Zhu Q, Cantrell K, Ben-Hur A, Ree SC, Humphry GC, Ackermann G, McDonald D, Chan SHJ, Connor M, Boyd DA, Smith J, Watson J, Vidoli G, **Steadman D**, Lynne AM, Bucheli S, Carter DO, Burcham ZM, Knight R, Wrighton KC, Metcalf JL. CaDAVEr: a metagenome-assembled genome catalog of microbial decomposers across vertebrate environments. *Microbiology Resource Announcements*. 2025 Sep 23:e01323-24. https://journals.asm.org/doi/pdf/10.1128/mra.01323-24 (2025)
85. Owings CG, McKee-Zech HS, Patrick EA, **Steadman DW**. A blow fly (Diptera: Calliphoridae) pre-colonization interval dataset for improving forensic entomology estimations. *Journal of Forensic Sciences* 70(6):2393-2402. https://doi.org/10.1111/1556-4029.70150 (2025)
84. Nau AM, Ditto P, **Steadman DW**, Mockus A. Identifying factors that help improve existing decomposition-based PMI estimation methods. *Journal of Forensic Sciences* 70:1249-1260. https://doi.org/10.1111/1556-4029.70046 (2025)
83. Snoeck C, Beasley MM, **Steadman DW**. Understanding intra-individual isotopic variability in modern cremated human remains for forensic and archaeological studies. *PLOS ONE* 20(4): e0320396. https://doi.org/10.1371/journal.pone.0320396 (2025)
82. Passalacqua NV, Bartelink E, McQuade WEP, **Steadman D**, Boyd D, Spradley K, Sauerwein K, Ho R. The development of standards for the ethical use of human skeletal remains for education, research, and training in forensic anthropology. *American Journal of Biological Anthropology* Mar 2025 186(3): e70022 https://doi.org/10.1002/ajpa.70022 (2025)
81. Connor M, Belcher WR, Dabbs GR, Falsetti A, Forbes SL, Gocha TP, Harris J, Hughes S, Listi G, Mavroudas S, Polonitza A, Reck SI, **Steadman D**, Ward J, Wescott DJ, Yim A, Zejdlik K. From a small plot in Knoxville to a worldwide footprint: An overview of human decomposition facilities. *Forensic Anthropology* 7(4): 267-281. (2024) https://doi.org/10.5744/fa.2024.0002 (2024)
80. Mason AR, McKee-Zech HS, **Steadman DW**, DeBruyn JM. Environmental predictors impact microbial-based postmortem interval (PMI) estimation models within human decomposition soils. *PLoS ONE* 19(10): e0311906. https://doi.org/10.1371/journal.pone.0311906 (2024)
79. Taylor L, Mason AR, Noel H, Essington M, Davis M, Brown V, **Steadman D**, DeBruyn J. Transient hypoxia drives soil microbial community dynamics and biogeochemistry during human decomposition. *FEMS Microbiology Ecology 100*(10), p.fiae119. doi.org/10.1093/femsec/fiae119 (2024)

78. Farmer JG, Specht A, Punshon T, Jackson BP, Bidlack FB, Bakalar CA, Mukherjee R, Davis M, **Steadman DW**, Weisskopf MG. Lead exposure across the life course and age at death. *Science of The Total Environment*. Volume 927, 1 June 2024, 171975 https://doi.org/10.1016/j.scitotenv.2024.171975 (2024)
77. Burcham ZM, Belk AD, McGivern BB, Bouslimani A, Ghadermazi P, Martino C, Shenhav L, Zhang AR, Shi P, Emmons A, Deel HL, Xu ZZ, Nieciecki V, Zhu O, Shaffer M, Panitchpakdi M, Weldon KC, Cantrell K, Ben-Hur A, Reed SC, Humphry GC, Ackermann G, McDonald D, Chan SHJ, Connor M, Boyd D, Smith J, Watson JMS, Vidoli G, **Steadman D**, Lynne AM, Bucheli S, Dorrestein PC, Wrighton KC, Carter DO, Knight R, Metcalf JL. A conserved interdomain microbial network underpins cadaver decomposition despite environmental variables. *Nature Microbiology* **9**, 595–613. https://doi.org/10.1038/s41564-023-01580-y (2024)
76. Nau AM, Mousavi S, Lee D, Hossain R, Griffin T, **Steadman DW**, Mockus A. ICPUTRD: Image Cloud Platform for use in tagging and research on decomposition. *Journal of Forensic Sciences*. 69(5):1671-1680. https://doi.org/10.1111/1556-4029.15448 (2024)
75. Horbaly H, Hubbe M, Sylvester AD, **Steadman DW**, Auerbach BM. Variation in human limb joint articular morphology. *American Journal of Biological Anthropology*. 182(3):388-400. https://doi.org/10.1002/ajpa.24829 (2023)
74. Nau AM, Mockus A, **Steadman DW**. Stage of Decay Estimation Exploiting Exogenous and Endogenous Image Attributes to Minimize Manual Labeling Efforts and Maximize Classification Performance. 2023 *IEEE International Conference on Image Processing* (ICIP), 2705-2709. 10.1109/ICIP49359.2023.10222106 (2023)
73. Taylor LS, Gonzalez A, Essington ME, Lenaghan SC, Stewart CN, Mundorff AZ, **Steadman DW**, DeBruyn JM. Soil elemental changes during human decomposition. *PLOS ONE* 18(6): e0287094. https://doi.org/10.1371/journal.pone.0287094 (2023)
72. Specht AJ, **Steadman DW**, Davis M, Bartell SM, Weisskopf MG. Bone lead variability in bone repository skeletal samples measured with portable x-ray fluorescence. *Science of The Total Environment*. 2023 Mar 29:163197. https://doi.org/10.1016/j.scitotenv.2023.163197 (2023)
71. Redeker Hepner T, **Steadman DW**. Bedeviling binaries: an integrated and dialectical approach to forensic anthropology in northern Uganda. In: RC Parra & DH Ubeaker, eds. *Anthropology of Violent Death: Theoretical Foundations for Forensic Humanitarian Action*. pp 327-50. https://doi.org/10.1002/9781119806394.ch16 (2023)
70. Nienaber C, Forbes SL, Connor M, Wescott DJ, Ward J, **Steadman DW**, Colman KL. 2023. Forensic Taphonomy. In: MH Houck, ed. *Encyclopedia of Forensic Sciences, Third edition.* Elsevier LTD. pp 700-711. https://doi.org/10.1016/B978-0-12-823677-2.00040-4 (2023)
69. Mason AR, McKee-Zech HS, Hoeland KM, Davis MC, Campagna SR, **Steadman DW,** DeBruyn JM. Body Mass Index (BMI) Impacts Soil Chemical and Microbial Response to Human Decomposition. *Msphere*, *7*(5), pp.e00325-22. DOI: 10.1128/msphere.00325-22 (2022)
68. Owings CG, McKee-Zech HS, Schwing ST, Bugajski KN, Davis MC, **Steadman DW**. Not by the Book: Observations of Delayed Oviposition and Re-Colonization of Human Remains by Blow Flies. *Insects*. 2022; 13(10):879-892. (https://doi.org/10.3390/insects13100879 (2022)

67. Mousavi S, Yang Z, Cross K, **Steadman DW**, Mockus A. SLRNet: Semi-Supervised Semantic Segmentation Via Label Reuse for Human Decomposition Images. arXiv preprint arXiv:2202.11900. 2022 Feb 24. https://doi.org/10.48550/arXiv.2202.11900 (2022)
66. Winburn A, Jennings A, **Steadman DW**, DiGangi E. Ancestral diversity in skeletal collections: perspectives on African American body donation. *Forensic Anthropology* 5(2):141-152. DOI: 10.5744/fa.2020.1023 (2022)
65. Saul TB, Chesson LA, **Steadman DW**, Gordon GW. Considerations for stable isotope analysis of human hair: the impact of postmortem environmental exposure. *Forensic Anthropology* 4(3): 35-47. DOI: 10.5744/fa.2020.0052 (2021)
64. Hlad M, Veselka B, **Steadman DW**, Herregods B, Elskens M, Annaert R, Boudin M, Capuzzo G, Dalle S, De Mulder G, Sabaux C, Salesse K, Sengelov A, Stamataki E, Vercauteren M, Warmenbol E, Tys D, Snoeck C. Revisiting metric sex estimation of burnt human remains via supervised learning using a reference collection of modern identified cremated individuals (Knoxville, USA). *American Journal of Physical Anthropology* 175(4):777-793. DOI: 10.1002/ajpa.24270 (2021)
63. Owings C, Mckee-Zech H, **Steadman DW**. First record of the oriental latrine fly, Chrysomya megacephala (Fabricius) (Diptera: Calliphoridae), in Tennessee, USA. *Acta Parasitologica*, *66*(3), 1079-1081. PMID 33682073. DOI: 10.1007/s11686-021-00346-y (2021)
62. Veselka B, Hlad M, **Steadman DW**, Annaert H, Boudin M, Capuzzo G, Dalle S, Kontopoulos I, De Mulder G, Sabaux C, Salesse K. Estimating age-at-death in burnt adult human remains using the Falys–Prangle method. *American Journal of Physical Anthropology 175*(1):128-136. DOI: 10/1002/ajpa.24210 (2021)
61. Mousavi S, Lee D, Griffin T, Cross K, **Steadman DW**, Mockus A. SChISM: Semantic Clustering via Image Sequence Merging for Images of Human-Decomposition. In *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision*, pp. 2190-2199. (2021)
60. DeBruyn JM, Hoeland KM, Taylor LS, Stevens JD, Moats MA, Bandopadhyay S, Dearth SP, Castro HF, Hewitt KK, Campagna SR, Dautartas AM, Vidoli GM, Mundorff AZ, **Steadman DW**. Comparative decomposition of humans and pigs: Soil biogeochemistry, microbial activity and metabolomic profiles. *Frontiers in Microbiology*, *11*, 3521. PMID 33519758 DOI: 10.3389/fmicb.2020.608856 (2021)
59. Mousavi S, Yang Z, Cross K, **Steadman DW**, Mockus A. Pseudo pixel-level labeling for images with evolving content. arXiv:2105.09975. (2021)
58. Cobb CR, **Steadman DW**. Warfare and structural violence in Mississippian-Period Southeastern North America. In: *Pearls, Politics and Pistachios. Essays in Anthropology and Memories on the Occasion of Susan Pollock's 65th Birthday*. Berlin: Ex Oriente Publishers. pp 381-393. (2021)
57. **Steadman DW**, Wagner S. Taking stock: DNA testing and its complex truths. In: H. Erlich, E. Stover & T.J. White, eds. *Silent Witness: Forensic DNA Analysis in Criminal Investigations and Humanitarian Disasters.* New York: Oxford University Press. pp 268-287. DOI: 10.1093/oso/9780190909444.001.0001 (2020)
56. Brazabon H, DeBruyn JM, Lenaghan SC, Li F, Mundorff AZ, **Steadman DW**, Stewart Jr. CS. Plants to remotely detect human decomposition? *Trends in Plant Science 25*(10), 947-949. PMID 32893124 DOI: 10.1016/J.Tplants.2020.07.013 (2020)

55. Donfack J, Moini M, Carlson TL, Allred BM, Otterstatter LM, **Steadman DW**, Jantz LM, Hauther K, Eckenrode BA. Proteomic analysis of decedent scalp hair segments exhibiting a postmortem hair root band. *Forensic Chemistry* Vol 18:100226. DOI: 10.1016/J.Forc.2020.100226 (2020)
54. Turingan RS, Brown J, Kaplun L, Smith J, Watson J, Boyd DA, **Steadman DW**, Selden RF. Identification of human remains using Rapid DNA analysis. *International Journal of Legal Medicine* 134:863-872. PMID 31781850 DOI: 10.1007/S00414-019-02186-Y (2020)
53. Vidoli GM, Beasley MM, Jantz LM, Devlin JB, **Steadman DW**. The future of taphonomic research. In: Hayman and Jarvis, eds. *Estimation of the Time Since Death: Current Research and Future Trends.* London: Academic Press. pp. 251-268. (2020)
52. Mousavi S, Lee D, Griffin T, **Steadman DW**, Mockus A. Collaborative learning of semi-supervised clustering and classification for labeling uncurated data. *IEEE International Conference on Image Processing (ICIP*) pp. 1716-1720. DOI: 10.1109/ICIP40778.2020.9191300 (2020)
51. Mousavi S, Lee D, Griffin T, **Steadman DW**, Mockus A. An analytical workflow for clustering forensic images. *arXiv preprint arXiv:2001.05845, Proceedings of the Aaai Conference on Artificial Intelligence* 34:13879-13880. DOI: 10.1609/aaai.v34i10.7212 (2019)
50. Langley N, Wood P, Herring P, **Steadman DW**. Forensic postmortem interval estimation from skeletal muscle tissue: A lipidomics approach. *Forensic Anthropology* 2(3):152-157. DOI: 10.5744/Fa.2019.1011 (2019)
49. Cornett D, Bolme D, **Steadman DW**, Sauerwein KA, Saul TB. Effects of postmortem decomposition on face recognition. United States. *IEEE International Conference on Biometrics: Theory, Applications and Systems (BTAS 2019*) pp 1-8. DOI: 10.1109/BTAS46853.2019.9185971 (2019)
48. **Steadman DW**. Demography and Pathology at Monjukli Depe, Turkmenistan. In: *Looking Closely. Excavations at Monjukli Depe, Turkmenistan, 2010-2014, Vol 2*. Susan Pollock, Reinhard Bernbeck and Birgül Ögü, eds. Leiden, The Netherlands: Sidestone Press. pp265-288. (2019)
47. Mousavi S, Nabati R, Kleeschulte M, **Steadman DW**, Mockus A. Machine-assisted annotation of forensic imagery. *IEEE International Conference on Image Processing (ICIP 2019)*, pp. 1595-1599. DOI: 10.1109/ICIP.2019.8803068 (2019)
46. Horbaly HE, Kenyhercz MW, Hubbe M, **Steadman, DW**. The influence of body size on the expression of sexually dimorphic morphological traits. *Journal of Forensic Sciences* 64(1):52-57. PMID 29975982 DOI: 10.1111/1556-4029.13850 (2019)
45. **Steadman DW**. Bodies of Evidence: The Body-as-Evidence Paradigm in Domestic and International Forensic Anthropology. In: *Bioarchaeologists Speak Out - Deep Time Perspectives on Contemporary Issues*. Jane Buikstra, ed. New York: Springer. pp 243-255. DOI: 10.1007/978-3-319-93012-1_11 (2019)
44. Milner GR, Boldsen JL, Ousley SD, Getz SM, Weise S, Tarp P, **Steadman DW**. Selective mortality in middle-aged American women with Diffuse Idiopathic Skeletal Hyperostosis (DISH). *PLoS ONE* 13(8): e0202283. PMID 30153267 DOI: 10.1371/Journal.Pone.0202283 (2018)
43. Soto CF, Algee-Hewitt BFB, Morante GB, Slice DE, **Steadman DW**. Age-at-death estimation for modern populations in Mexico and Puerto Rico through the use of 3D laser

scans of the pubic symphysis. *Human Biology* 90(3): 213-229. PMID 33947176 DOI: 10.13110/humanbiology.90.3.02 (2018)

42. Gordon GW, Saul TB, **Steadman DW**, Wescott DJ, Knudson K. Preservation of hair stable isotope signatures during freezing and law enforcement evidence packaging. *Forensic Chemistry* 11:108-119. DOI: 10.1016/J.Forc.2018.10.004 (2018)
41. Redeker-Hepner T, **Steadman DW**, Hanebrink JR. Sowing the dead: Massacres and the missing in Northern Uganda. In: Cheryl Anderson and Debra Martin, eds. *Massacres: Bioarchaeological and Forensic Anthropology Approaches.* Gainesville: University of Florida Press. pp136-154. https://muse.jhu.edu/book/62728 (2018)
40. **Steadman DW**. Who Needs Data? I've Got Experience! *Human Biology* 90(1):77-82. PMID 30387385 DOI: 10.13110/Humanbiology.90.1.05 (2018)
39. Damaso N, Jones KF, Carlson TL, Fleming J, **Steadman DW**, Jantz LM, Hauther K, Otterslatter LM, Donfack J. A study of the intrinsic variability and the effect of environmental conditions on the formation of a postmortem root band. *Forensic Science International* 293:63-69. PMID 30399603 DOI: 10.1016/J.Forsciint.2018.09.032 (2018)
38. Dawnay N, Flamson R, Hall MJR, **Steadman DW**. Impact of sample degradation and inhibition on field-based DNA identification of human remains. *Forensic Science International: Genetics* 37:46-53. PMID 30077890 DOI: 10.1016/J.Fsigen.2018.07.018 (2018)
37. Wescott DJ, **Steadman DW**, Miller N, Sauerwein KA, Clemmons CM, Gleiber DS, McDaneld C, Meckel L, Bytheway JA. Validation of the total body score/accumulated degree-day model at three human decomposition facilities. *Forensic Anthropology* Vol 1(3):143-149. DOI: 10.5744/Fa.2018.0015 (2018)
36. **Steadman DW**, Dautartas A, Kenyhercz MW, Jantz LM, Mundorff AZ, Vidoli GM. Differential scavenging among pig, rabbit and human subjects. *Journal of Forensic Sciences,* 63(6):1684-1691. PMID 29649349 DOI: 10.1111/1556-4029.13786 (2018)
35. Dautartas A, Kenyhercz MW, Vidoli GM, Jantz LM, Mundorff AZ, **Steadman DW**. Differential decomposition among pig, rabbit and human subjects. *Journal of Forensic Sciences* 63(6):1673-1683. PMID 29603225 DOI: 10.1111/1556-4029.13784 (2018)
34. Adserias-Garriga J, Hernandez M, Quijada NM, Lázaro DR, **Steadman DW**, Garcia-Gil LJ. Daily thanatomicrobiome changes in soil as an approach of postmortem interval estimation: An ecological perspective. *Forensic Science International*. 278:388-395. PMID 28818754 DOI: 10.1016/J.Forsciint.2017.07.017 (2017)
33. Adserias-Garriga J, Quijada NM, Hernandez M, Lázaro DR, **Steadman DW**, Garcia-Gil LJ. Dynamics of the oral microbiota as a tool to estimate time since death. *Molecular Oral Microbiology*. 32:511-516. PMID 28654195 DOI: 10.1111/Omi.12191 (2017)
32. Vidoli GM, **Steadman DW**, Devlin J, Jantz LM. History and development of the first Anthropology Research Facility, Knoxville, Tennessee. In *Taphonomy of Human Remains: Forensic Analysis of the Dead and the Depositional Environment.* Editors: Schotsmans EMJ, Marquez-Grant N, Forbes SL. West Sussex, UK: Wiley. pp 463-474. DOI: 10.1002/9781118953358.ch35 (2017)
31. Sauerwein K, Saul TB, **Steadman DW**, Boehnen CB. The effects of decomposition on the efficacy of biometrics for positive identification. *Journal of Forensic Sciences* 62(6):1599-1602. PMID 28240354 DOI: 10.1111/1556-4029.13484 (2017)
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2026 Steadman D. The Humanitarian and Human Rights Resource Center (HHRRC): 10 Years of Serving AAFS and the Global Community. Poster presented at the American Academy of Forensic Sciences annual meeting (New Orleans, LA) [ABSTR Proceeding of the American Academy of Forensic Sciences 78th Annual Scientific Meeting. XXXII:575. Feb 12, 2026]

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2026 Steadman D. The Impact of HHRRC Sponsored Projects. Poster presented at the Humanitarian and Human Rights Resource Center Poster Symposium, American Academy of Forensic Sciences annual meeting (New Orleans, LA). Feb 10, 2026.

2025 Steadman D. Dogs, Bite Marks, and DNA Sniffers: How Junky Forensic Science Harms the Criminal Justice System. 22nd Annual Chico Forensic Conference, California State University, Chico. November 15, 2025.

2025 Steadman D. How do osteophytes grow and M. tuberculosis resorb bone? A primer on osteoimmunology and cellular pathways of pathological conditions. 22nd Annual Chico Forensic Conference, California State University, Chico. November 16, 2025.

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2025 Steadman D, Cablk M, Campagna S, Ha J. The accuracy of cadaver dogs to detect human residual odor in a scientific test: Implications for the courts. Paper presented at the American Academy of Forensic Sciences annual meeting (Baltimore, MD) [ABSTR Proceeding of the American Academy of Forensic Sciences 77th Annual Scientific Meeting. XXXI:676. Feb 21, 2025]

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2025 Steadman D, Cablk M, Campagna S, Ha J. Application of Analytical Chemistry to Test the Accuracy of Human Residual Odor Detection by Cadaver Dogs. Paper presented at the National Institute of Justice Forensic Science Research and Development Symposium (Baltimore, MD). February 18, 2025.

2024 Nau A., Ditto P., Mockus A., Steadman DW. Using Artificial Intelligence: Deep Learning for Human Decomposition Staging. Poster presented at the American Academy of Forensic Sciences annual meeting (Denver, CO). [ABSTR Proceeding of the American Academy of Forensic Sciences 76th Annual Scientific Meeting. XXX:74. Feb 22, 2024]

2024 McKee-Zech H.S., Owings C.G., Steadman D.W. Assessing the Impacts of Prescription Medications and Metabolites on Larval Blow Fly Development. Paper presented at the American Academy of Forensic Sciences annual meeting (Denver, CO). [ABSTR Proceeding of the American Academy of Forensic Sciences 76th Annual Scientific Meeting. XXX:869. Feb 23, 2024]

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2023 Fatula, S., Steadman D. Use of radiographic methods for the detection of metastatic cancer in skeletal remains. Paper presented at the 50th Annual Meeting of the Paleopathology Association (Reno, NV). April 18, 2023.

2023 Steadman D.W. and L. Fondebrider. Forensic Human Rights

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2022 Elgerud L., Davis M., Jantz L.M., Vidoli G., Devlin J., Steadman D.W. Beyond the First Body Farm: Research and Development at the Forensic Anthropology Center, University of Tennessee, Knoxville USA. Paper presented a the European Academy of Forensic Science. Stockholm, Sweden. May 26, 2022.

2022 Owings C., McKee-Zech H., Garza C., McQueen M.S., Smith M.E., Wal, R. K., Patrick E., Schwing S., Delgado T., Davis M.C., Steadman D.W. Validating Standard Methods and Assumptions in Forensic Entomology– Lessons Learned using a Human Decomposition Facility. Poster presented at the Southwestern Branch of the Entomological Society of America. April 2022.

2022 Mason A.R., McKee-Zech H.S., Höland K.M., May A., Davis M.C., Schwing, S. Campagna S.R., Steadman D.W., DeBruyn J.M. Body Mass Composition (BMI) Impacts Soil Chemical And Microbial Responses During Human Decomposition. Poster presentation at the American Academy of Forensic Sciences annual meeting (Seattle, WA). [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting. XXVIII:100-101. Feb 24, 2022]

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2022 Devlin J., Vidoli G., Jantz L.M., Davis M.C., Steadman D.W. F-Track: A Model for Forensic Professionalization. Paper presentation at the American Academy of Forensic Sciences annual meeting (Seattle, WA). [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting. XXVIII:74. Feb 24, 2022]

2022 Mavroudas S., Steadman D.W., Zedjlik K., Wescott D., Gocha T., Hughes S., Dabbs G., Connor M., Ward J., Kimmerle E., Harris J., Forbes S. Falsetti A. 50 Years of Taphonomic Research: From Death's Acre to a Global Footprint. Paper presentation at the American Academy of Forensic Sciences annual meeting (Seattle, WA). [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting. XXVIII:69. Feb 24, 2022]

2022 Kim, J., Hepner, T.R., Tuller, H., Hanebrink J., Steadman D.W. Cultural Relativity and the Bounds of Forensic Interventions: A Case Study in Uganda. Poster presentation at the American Academy of Forensic Sciences annual meeting (Seattle, WA). HHRRC Invited Symposium. February 22, 2022.

2021 Sara Mousavi, Dylan Lee, Tatianna Griffin, Dawnie Steadman, Audris Mockus. SChISM: Semantic Clustering via Image Sequence Merging for Images of Human-Decomposition. Paper presented at the Winter Conference on Applications of Computer Vision, Jan 5, 2021 (virtual).

2021 Mousavi, S., Yang, Z., Cross, K., Steadman, D. W., & Mockus, A. Pseudo Pixel-level Labeling for Images with Evolving Content.. *CoRR*, abs/2105.09975

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2021 May, Amanda, Katharina M. Höland, Hayden McKee, Allison R. Mason, Sarah Schwing, Charity G. Owings, Thomas Delgado, Mary C. Davis, Russell L. Zaretzki, Jennifer M. DeBruyn, Dawnie W. Steadman, Shawn R. Campagna. Using Metabolomics to Gain a Deeper Understanding of Human Decomposition. Poster presented at the American American Academy of Forensic Sciences (virtual) [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting XXVII:125. February 18, 2021]

2021 Mason, Allison R., Hayden S. McKee-Zech, Katharina M. Holand, Mary Davis, Sarah Schwing, Thomas Delgado, Dawnie W. Steadman, PhD, Shawn R. Campagna, Jennifer M. DeBruyn. Inter-Individual Variation in Soil Chemistry and Microbial Ecology During Human Decomposition. Poster presented at the American Academy of Forensic Sciences (virtual) [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting XXVII:640. February 19, 2021]

2021 Höland, Katharina M., Shawn R. Campagna, Amanda May, Hayden McKee, Mary C. Davis, Sarah Schwing, Thomas Delgado, Charity G. Owings, Allison R. Mason, Jennifer M. DeBruyn, Dawnie W. Steadman, Russell L. Zaretzki, Expanding Frontiers in Postmortem Toxicology: Drug Tracing in Different Postmortem Matrices During Human Decomposition Using Ultra High-Performance Liquid Chromatography–High-Resolution Mass Spectrometry (UHPLC-HRMS). Poster presented at the American Academy of Forensic Sciences (virtual) [ABSTR Proceeding of the American Academy of Forensic Sciences 74th Annual Scientific Meeting XXVII:749. February 17, 2021]

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2021 Kim, Jaymelee, Joan Baughman, Julia Hanebrink, Hugh Tuller, Paul D. Emanovsky, Dawnie W. Steadman. Forensic Biology Capacity-Building Challenges and Opportunities in Northern Uganda. Poster presented at the American Academy of Forensic Sciences HHRRC symposium (virtual), February 16, 2021.

2021 Kim, Jaymelee, Julia Hanebrink, Hugh H. Tuller, Tricia Redeker Hepner, Dawnie W. Steadman, Paul D. Emanovsky. Multisector Collaborations for Transitional Justice in Uganda. Poster presented at the American Academy of Forensic Sciences HHRRC symposium (virtual), February 16, 2021.

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2020 McKee, H., Owings, C., & Steadman, D. State Record and Continued Surveillance of the Oriental Latrine Fly at the Anthropology Research Facility, Knoxville, TN. *Entomological Society of America*. Virtual. November, 2020.

2020 Steadman, D., & Owings, C. Assessing the Accuracy of Time of Colonization Estimations on Human Remains: Species and Sample Time Matter. *Entomological Society of America*. virtual. November, 2020.

2020 McKee, Hayden; Owings, Charity; Holand, Katharina; Mason, Allison; Schwing, Sarah; Delgado, Thomas; Campagna, Shawn; DeBruyn, Jennifer; Steadman, Dawnie. Prescription drugs detected in postmortem human toxicological analysis impact Phormia regina Meigen (Diptera: Calliphoridae) larval length. *Entomological Society of America*. virtual. November, 2020.

2020 Duncan, Anielle, Samantha Upton, Kate Flor-Stagnato, Dawnie W. Steadman. Examining Potential Degradation Between Antemortem and Postmortem Fingerprints. Poster presentation at the American Academy of Forensic Sciences annual meeting (Anaheim, CA) [ABSTR Proceeding of the American Academy of Forensic Sciences 72nd Annual Scientific Meeting. XXVI:69. Feb 19, 2020]
Poster presented at the 72nd Annual Scientific Meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 19, 2020.

2020 Dawnie W. Steadman. Disscussant, Data-driven Strategies for Investigating the Deaths of Missing Migrants. Paper presented at the 72nd annual scientific meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 20, 2020.

2020 Melanie M. Beasley, Julie Lesnik, Hayden McKee, Anielle Duncan, Dawnie W. Steadman. Using Stable Nitrogen Isotope Ratios From Fly Larvae for Postmortem Interval (PMI) Estimation. Paper presented at the 72nd annual scientific meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 20, 2020.

2020 Tiffany B. Saul, Lesley A. Chesson, Dawnie W. Steadman, Daniel J. Wescott, Gwyneth W. Gordon. Considerations for Isotope Analysis of Human Hair: The Impact of Postmortem Environmental Exposure. Paper presented at the 72nd annual scientific meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 20, 2020.

2020 Lois S. Taylor, Allison R. Mason, Ernest C. Bernard, Mary C. Davis,

Dawnie W. Steadman, Jennifer M. DeBruyn. Seasonal Differences in Soil Chemistry and Biology Impacted by Long-Term Human Decomposition. Paper presented at the 72nd annual scientific meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 20, 2020.

2020 Katharina M. Höland, Shawn R. Campagna, Dawnie W. Steadman, Jennifer M. DeBruyn, Hayden McKee, Allison R. Mason, Amanda May, Thomas Delgado; Sarah Schwing. Utilizing Metabolomics Toward Time-Dependent Metabolite Monitoring in Different Postmortem Specimens During Human Decomposition. Poster presented at the 72nd annual scientific meeting of the American Academy of Forensic Sciences, Anaheim, CA, February 21, 2020.

2020 Sara Mousavi, D. Lee, T. Griffin, D.W. Steadman, A. Mockus. An analytical workflow for clustering forensic images. Proceedings of the AAAI Conferenceon Artificial Intellegence. 34(10):13879-13880. https://doi.org/10.609/aaai.v34i10.7212

2019 Sara Mousavi, Ramin Nabati, Megan Kleeschulte, Dawnie Steadman, Audris Mockus, "Machine-assisted annotation of forensic imagery", *IEEE International Conference on Image Processing(ICIP)*, Taipei, Taiwan, September 22, 2019

2019 Dawnie W. Steadman. Burning, bootprints and decapitation: The contributions of Jane E. Buikstra to the maturation of the forensic anthropology discipline. Paper presented at the Paleopathology Association Meetings, Cleveland, Ohio, March 26, 2019.

2019 Dawnie W. Steadman. Forensic Anthropology: Mass Disasters, Mass Graves and the Body Farm. 8th African Society of Forensic Medicine Conference. Dar es Salaam, Tanzania. March 15, 2019.

2019 Dawnie W. Steadman, Hugh H. Tuller, Julia Hanebrink, Jaymelee Kim and Tricia Hepner. After atrocity: Why wouldn't you investigate? Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 21, 2019.

2019 Sara Mousavi, Audris Mockus, Dawnie W. Steadman, Angela M. Dautartas. Machine Learning to Detect and Localize Forensics-Relevant Features. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 22, 2019.

2019 Sara Mousavi, Angela Dautartas, Dawnie Wolfe Steadman, Audris Mockus. ICPUTRD: Image Cloud Platform for Use in Tagging and Research on Decomposition. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 22, 2019.

2019 Kelly Sauerwein, Xiaojuan Zhu and Dawnie W. Steadman. Perceptions and cognitive bias in decomposition scoring methods in forensic anthropology. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 21, 2019.

2019 Melanie M. Beasley, Julie Lesnik, Hayden McKee, Dawnie W. Steadman. Using stable nitrogen isotope ratios from human muscle tissue for postmortem interval (PMI) estimation. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 21, 2019.

2019 Samantha Upton, Anielle Duncan, Elizabeth Albee, Kelly Sauerwein, Dawnie W. Steadman. The Effect of Demographic Factors and Mortality-Related Health Conditions on Postmortem Biometric Data. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 21, 2019.

2019 Allysha P. Winburn, Antaya L. Jennings, Dawnie W. Steadman and Elizabeth A. DiGangi. Perspectives on diversity in skeletal collections. Paper presented at the 71st annual scientific meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, February 21, 2019.

2019 Stacy Taylor, Dawnie Steadman, Giovanna Vidoli. Microbiome work at the Forensic Anthropology Center. Stakeholder Meeting for Estimating the Postmortem Interval Using Microbes. Symposium organized at the American Academy of Forensic Sciences, Baltimore, MD. Jessica Metcalf, organizer, February 18, 2019.

2018 Beasley MM, Lesnik J, McKee H, Steadman DW. Using Stable Nitrogen Isotope Ratios from Human Muscle Tissue for Postmortem Interval (PMI) Estimation. Paper presented at the Southwestern Association of Biological Anthropologists, November 3, 2018, Las Vegas, NV.

2018 Steadman, Dawnie Wolfe. Informing Investigations: Case Studies and Research at the Body Farm. FBI 2018 Evidence Response Team Conference, Nashville, TN. August 28, 2018.

2018 Bugajski K., Dautartas A., Jantz L.M., Steadman D.W. 2018. A comparison of insect activity on different carrion types at the Anthropology Research Facility (ARF) in Knoxville, Tennessee. Paper presented at the 70th Annual Meeting of the American Academy of Forensic Sciences, February 23, 2018, Seattle, Washington.

2018 Steadman, Dawnie W. Who Needs Data? I've Got Experience! Paper presented at the American Association of Physical Anthropologists, Austin, TX April 12, 2018.

2018 Sauerwein, Kelly; Samantha Upton, Elizabeth Albee, Anielle Duncan, Dawnie W. Steadman and David Bolme. The Effect of Scanner Performance on Capture Ability and Identification Success on Postmortem Biometric Data. Paper presented at the 70th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, February 23, 2018.

2018 Yan, Wangchen; Audris Mockus, Tiffany B. Saul, Dawnie W. Steadman. Curating forensic Image Collection Using Machine Learning. Paper presented at the 70th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22, 2018.

2017 Donfack, Joseph; Mehdi Moini, Traci L. Carlson, Dawnie W. Steadman,

Lee Meadows Jantz, Hilda S. Castillo, Nicholas R. Vercruysse, Jack Hietpas, JoAnn Buscaglia, Brian Eckenrode. Protein Profiling of Decedent Scalp Hairs to Investigate the Potential Mechanisms for the Formation of Postmortem Root Bands. Paper presented at the American Academy of Forensic Sciences, New Orleans, LA. February 17, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:438-439. Feb 2017]

2017 Kenyhercz, Michael W., Dawnie W. Steadman, Annemarie C. Gundel. A New Approach to Estimating Accumulated Degree Days (ADD): Using Binary Observations From Various Regions of the Body With Random Forest Modeling (RFM) and Geographic Information Systems (GIS). Paper presented at the American Academy of Forensic Sciences, New Orleans, LA. February 17, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:246-247. Feb 2017]

2017 Bytheway, Joan A., Nichole Miller, Dawnie W. Steadman, Kelly Sauerwein, Daniel J. Wescott, Chaunesey Clemmons, Devora S. Gleiber, Chloe P. McDaneld, Lauren A. Meckel. Validation of the Total Body Score/Accumulated Degree Days (TBS/ADD) Equation at 100, 300, 500, and 1,000 ADD on 30 Human Subjects With a Known Postmortem Interval (PMI) From Three Human Decomposition Facilities. Paper presented at the American Academy of Forensic Sciences, New Orleans, LA. February 17, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:248-249. Feb 2017]

2017 Gordon, Gwyneth W., Tiffany B. Saul, Dawnie W. Steadman, Kelly Knudson, Daniel J. Wescott. Preservation of Hair Stable Isotope Signatures During Freezing. Poster presented at the American Academy of Forensic Sciences, New Orleans, LA. February 16, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:699-700. Feb 2017]

2017 Langley, Natalie R., Paul Wood, Patrick Herling and Dawnie W. Steadman. Estimating the Postmortem Interval (PMI): A Metabolomics/Lipidomics Approach. Paper presented at the American Academy of Forensic Sciences, New Orleans, LA. February 16, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:102. Feb 2017]

2017 Cawley, William and Dawnie W. Steadman. Identity by the Numbers: Cancerous Lesions and Likelihood Ratios. Poster presented at the American Academy of Forensic Sciences, New Orleans, LA. February 16, 2017. [ABSTR Proceeding of the American Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:140. Feb 2017]

2017 Adserias, Joe, Heli Maijanen, Sara C. Zapico, Dawnie W. Steadman. The Potential Use of Five Cranial Traits for Sex Assessment in Forensic Cases. Poster presented at the American Academy of Forensic Sciences, New Orleans, LA. February 15, 2017. [ABSTR Proceeding of the American

Academy of Forensic Sciences 69th Annual Scientific Meeting. XXIII:84. Feb 2017]

2016 Steadman, Dawnie W. Bodies of Evidence: Science and Politics in Human Rights Investigations. Paper presented as part of the Executive Symposium, Bioarchaeologists Speak Out: Challenging The Pundits With Evidence And New Discoveries From The Past. American Anthropological Association, Minneapolis, MN. November 19, 2016.

2016 Steadman, Dawnie W. Discussant for the symposium, Understanding the Making of Scientific Evidence: Fostering Cross Sub-disciplinary Conversation on Forensic Practices. American Anthropological Association, Minneapolis, MN. November 17, 2016.

2016 Steadman, Dawnie W. The Role of Forensic Anthropology in Homicide Investigations. Iowa Association of Justice Annual Criminal Law Seminar, Cedar Rapids, IA. September 23, 2016.

2016 Steadman, Dawnie W. Forensic Anthropology and Human Remains Case Studies. FBI 2016 Evidence Response Team Conference, Jacksonville, FL. September 20, 2016.

2016 Steadman, Dawnie W. One Standard Does Not Fit All: The Diversity of Evidence in Forensic Anthropology. Paper presented at the American Chemical Society, Philadelphia, PA. August 22, 2016.

2016 Steadman, Dawnie W. Recovery Practices in Forensic Casework. Kentucky Coroners Association, Louisville, KY. April 27, 2016.

2016 Steadman, Dawnie W. and Heli Maijanen. Recidivism of Traumatic Injury in the Bass Donated Skeletal Collection. Poster presented at the invited symposium, Injury Recidivism and Violence: Perspectives from Bioarchaeology and Forensic Anthropology, American Association of Physical Anthropologists, Atlanta, GA. April 16, 2016.

2016 Hepner, Tricia and Dawnie W. Steadman. Sowing the Dead: Massacres and the Missing in Northern Uganda. Poster presented at the invited symposium, Blood in the Villages: Bioarchaeological and Forensic Evidence for Massacres, American Association of Physical Anthropologists, Atlanta, GA. April 16, 2016.

2016 Steadman, Dawnie W. Discussant, Toward a Holistic Forensic Anthropology. Discussion of invited poster session presented at the American Association of Physical Anthropologists, Atlanta, GA. April 14, 2016.

2016 Steadman, Dawnie W., Angela M. Dautartas, Amy Z. Mundorff, Giovanna M. Vidoli, Lee Meadows Jantz. Differential Raccoon Scavenging Among Pig, Rabbit, and Human Subjects. Paper presented at the American Academy of Forensic Sciences, Las Vegas, NV. February 25, 2016. [ABSTR Proceeding of the American Academy of Forensic Sciences 68th Annual Scientific Meeting. XXII:192. Feb 2016]

2016 Dautartas, Angela M., Dawnie W. Steadman, Amy Z. Mundorff, Lee Meadows Jantz and Giovana M. Vidoli. A Comparison of Seasonal Decomposition Patterns Between Human and Non-human Animal Models. Paper presented at the American Academy of Forensic Sciences, Las

Vegas, NV. February 26, 2016. [ABSTR Proceeding of the American Academy of Forensic Sciences 68th Annual Scientific Meeting. XXII:180. Feb 2016]

2016 Fleming, Jamie N., Hilda S. Castillo, Ernest J. Drummond, Rabih Jabbour, Samir Deshpande, Dawnie W. Steadman, Lee Meadows Jantz, Kathleen Hauther, Jack Hieptas, Stephen D. Shaw, JoAnn Buscaglia, Brian Eckenrode, Joseph Donfack. *In Vitro* Experiments Using Human Cadaver Head Hairs to Investigate the Formation Mechanism of Postmortem Hair Root Bands (PMRBs). Poster presented at the American Academy of Forensic Sciences, Las Vegas, NV. February 25, 2016. [ABSTR Proceeding of the American Academy of Forensic Sciences 68th Annual Scientific Meeting. XXII:214-215. Feb 2016]

2016 Saul, Tiffany, Kelly Sauerwein, Dawnie W. Steadman and Chris Boehnen. Postmortem Identification from Physiological Biometrics: A Study of Fingerprints, Irises and Facial Images. Poster presented at the American Academy of Forensic Sciences, Las Vegas, NV. February 25, 2016. [ABSTR Proceeding of the American Academy of Forensic Sciences 68th Annual Scientific Meeting. XXII:217. Feb 2016]

2016 Steadman, Dawnie W., Angela Dautartas, Lee Jantz, Amy Mundorff, Giovanna Vidoli. A Multidisciplinary Validation Study of Non-Human Animal Models for Human Decomposition Research. Paper presented at the National Institute of Justice Forensic Science Research and Development Symposium, Las Vegas, NV. February 23, 2016.

CONFERENCES AND WORKSHOPS ORGANIZED (last 10 years)

2026 FBI Behavioral Analysis Unit (BAU) Workshop, Decomposition and Taphonomy. Fredericksburg, Maryland. April 24, 2026.

2026 D.W. Steadman (Chair). HHRRC Poster Symposium, American Academy of Forensic Sciences. New Orleans, LA. February 10, 2026.

2025 FBI Behavioral Analysis Unit (BAU) Workshop, Decomposition and Taphonomy. Fredericksburg, Maryland. March 31, 2025.

2025 D.W. Steadman (Chair), M. Cablk, J. Ha, S. Campagna. Can Human Remains Detection Canine Teams Detect Residual Odor? Results of Odor Recognition Tests and Chemical Analysis. Workshop 12, American Academy of Forensic Sciences, Baltimore, MD. February 18, 2025. [ABSTR Proceeding of the American Academy of Forensic Sciences 77th Annual Scientific Meeting. XXXI:30]

2025 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. Baltimore, MD. February 18, 2025.

2024 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. Denver, CO. February 20, 2024.

2023 D.W. Steadman (Chair) and L. Fondebirder (co-Chair). HHRRC

Symposium: The Contemporary Global Scope of Forensic Human Rights Investigations and a New AAFS Initiative. American Academy of Forensic Sciences. Orlando, FL. February 14, 2023

2023 FBI Behavioral Analysis Unit (BAU) Workshop, Decomposition and Taphonomy. Fredericksburg, Maryland. April 14, 2023 (Virtual).

2023 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. Orlando, FL. February 14, 2023

2022 Illinois Homicide Investigators Association Workshop, Crime Scene and Body Farms. Chicago, Illinois, October 13, 2022.

2022 FBI Behavioral Analysis Unit (BAU) Workshop, Decomposition and Taphonomy. Fredericksburg, Maryland. April 1, 2022.

2022 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. Seattle, WA. February 22, 2022.

2021 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. (Virtual) February 2021.

2020 D.W. Steadman and J. Ropero-Miller (co-Chairs). HHRRC Poster Symposium, American Academy of Forensic Sciences. Anaheim, CA. February 18, 2020.

2018 Tuller, Hugh, Paul Emanovsky, Jaymelee Kim and Dawnie Wolfe Steadman. AAFFS HHRRC Forensic Workshop in Kampala, Uganda. December 20-22, 2018.

2015 Steadman, Dawnie Wolfe, Jennifer DeBruyn and Clayton Nolting. Anthropology, Entomology and Microbiology in Forensic Science. Judicial Institute of Maryland, Annapolis, MD. October 30, 2015.

2015 Steadman, Dawnie Wolfe. The Role of Forensic Anthropology in Coroner Cases. Workshops presented at the Kentucky County Coroners Conference, Morehead, Kentucky. August 4, 2015.

2015 Steadman, Dawnie Wolfe. Forensic Anthropology: What Law Enforcement Executives Need to Know. Workshops presented at the Law Enforcement Coordinating Committee, Cedar Rapids, Iowa. May 20, 2015.

2015 Steadman, Dawnie Wolfe. Forensic Anthropology and the Role of the Forensic Anthropology Center, Recovery and Trauma Analysis of Human Remains, The Contribution of Forensic Anthropology to the Investigation of Fatal Child Abuse Cases. Downstate Conference on Child Abuse. Carterville, IL, April 30, 2015.

FORENSIC ANTHROPOLOGY CONSULTING

State of West Virginia
2019 - West Virginia Office of the Chief Medical Examiner.
State of Kentucky
2014 - Kentucky Office of the Chief Medical Examiner.
State of Tennessee
2011 - Tennessee Bureau of Investigation and city and county agencies.
State of New York
2001 – 2011 New York State Police and multiple city and county agencies.
State of Iowa
1997- 2010 Iowa State Medical Examiner's Office and local agencies.

Expert Testimony
2025 Expert witness; State of Colorado v. Shane Dorsey. 18th Judicial District of Colorado. 25CR934. Motion hearing. December 17, 2025. Centennial, Colorado.
2024 Expert witness; State of West Virginia v. Steve Marvin Lawson. Circuit Court of Summers County, West Virginia, CC-45-2021-F-38. March 11, 2024, Hinton, West Virginia.
2016 Expert witness; Commonwealth of KY v. Paris Randall Charles. Fayette Circuit Court. Criminal Branch. Third Division. 15CR261. August 2016, Lexington, Kentucky.
2007 Expert witness; People v. Khairual Abdul, Suffolk County Court, New York.
2005 Expert witness; United States Government v. Angela Johnson, Federal District Court of Northern Iowa, May 2005, Sioux City, Iowa.
2004 Expert witness; United States Government v. Dustin Honken, Federal District Court of Northern Iowa, October 2004, Sioux City, Iowa.
2002 Expert witness; State of Iowa v. Donald Boss, Jr., November 2002, Plymouth County, Iowa.
1998 Expert witness; State of Iowa v. Martin Shane Moon, June, 2000, Clarke County, Iowa.

Disaster Mortuary Operational Response Team (DMORT)
2010 DMORT National Training, Knoxville, Tennessee.
2009 DMORT and NDMS National Training, Nashville, Tennessee (Provided a training module for the anthropology section).
2009 Forensic analysis of victims of the Continental (Colgar Air) Airlines #3407 crash in Buffalo, New York.
2007 DMORT Region I and II training. Albany, New York.
2002 Forensic recovery and analysis of remains at the Tri-State Crematorium site in Noble, Georgia.
2001-2002 Triage and forensic analysis at the Office of the Chief Medical Examiner (OCME) of victims of the World Trade Center Disaster, New York.

RESEARCH ACTIVITIES

Osteological Analayses and Archaeological Fieldwork

2016 -	Bioarchaeological analysis of the Phaleron site in Athens, Greece. Collaborator on an NSF grant with Buikstra et al. at Arizona State University. Work is conducted on site in Athens as well as the American School of Classical Archaeology in Athens. Emphasis is on trauma analysis.
2012	Bioarchaeological analysis of remains recovered from Monjukli Depe, a Neolithic site in Turkmenistan. Susan Pollock and Reinhard Bernbeck, Freie University, Berlin.
2012 - 2014	Bioarchaeological analysis of remains recovered from a prehistoric cemetery in Alabama. Archaeological Research Facility, UTK, Kandace Hollenbach.
2010 - 2011	Co-Director of the recovery and director of anthropological analysis of scores of individuals from the Onondaga Poorhouse Cemetery, Syracuse, New York. Public Archaeology Facility, Nina Versaggi.
2010	Co-Director of archaeological recovery and director of anthropological analysis of 22 individuals from the 19th century Thomas Cemetery in advance of building construction. Public Archaeology Facility, Nina Versaggi.
2009 -	Topography of warfare and community health in the Middle Cumberland Region (MCR). Analyzing the demography (using hazard models), trauma and pathology of over 1700 skeletons. Collaborating with Charles Cobb to analyze the spatial and temporal distribution of warfare-related trauma, disease and demographic perturbations using GIS and ecological data of over 300 sites in the region.
2009 – 2021	Temporary curator, osteological and paleopathological analysis of skeletal material from the Gold Mine site, Louisiana. Dr. Chip McGimsey, Louisiana State Archaeologist.
2008 -2010	Temporary curator and co-investigator of the Cerro Mangote, Panama, skeletal collection. This collection dates to 6000 BP and was on loan from the University of Arkansas for demographic and paleopathological analysis.
2006-2009	Co-Investigator, NSF-sponsored research in Tennessee. *Mississippian Warfare, Territory, and Community Health in the Middle Cumberland Region.* Supervised two graduate students in the collection of data for over 1700 skeletons. Charles Cobb, co-PI.
2006	Bioarchaeologist, Mt. Morris, New York. Excavation and analysis of human remains from a Pioneer Cemetery disturbed by road construction. NYSDOT and Public Archaeology Facility, Nina Versaggi.
2005	Bioarchaeologist, Mt. Morris, New York. Osteological analysis of human and nonhuman skeletal remains from the Mt. Morris site. NYSDOT and Public Archaeology Facility, Nina Versaggi.
1997 -	Primary Investigator, Osteological and paleopathological analysis of skeletal material from the Orendorf site, Illinois. Western Illinois University, L. Conrad.
1996-1997	Illinois State Skeletal Analyst and Primary Investigator, Dunning Poorhouse Cemetery, Chicago, Illinois. Assisted Midwest Archaeological Research (MARS) with the removal of skeletal remains from a disturbed historic cemetery. Also performed the skeletal analysis of 26 discrete burials.

1996	Illinois State Skeletal Analyst and Primary Investigator, Henson site (11-P-426), a Hopewell burial mound, Peoria County, Illinois. Assisted in the removal of multiple individuals from a prehistoric burial mound disturbed by construction and performed the skeletal analyses.
1995	Osteological analysis of skeletal material from the Morton, Gooden, Schild, and Yokem sites from Illinois for PhD dissertation. Indiana University, Dr. Della Collins Cook.
1994-1995	Osteological and paleopathological analysis of skeletal material from Dickson Mounds, Illinois for PhD dissertation. Dickson Mounds Museum, Alan Harn.
1994-1995	Osteological analysis of skeletal material from Norris Farms site, Illinois for PhD dissertation. Pennsylvania State University, Dr. George Milner.
1991-1992	Paleopathological analysis of transverse lines via radiographs of pre-Columbian Peruvian skeletal material for MA thesis. University of Chicago, Dr. Jane E. Buikstra.
1991	Archaeological Field School Student, University of Chicago Archeological Field School, Kampsville, Illinois.

Human Rights Projects and Research Activities

2022 -	Tanzania: Develop partnerships with the Government Chemistry Laboratory of Tanzania and the National Police Laboratories.
2019 -	Tanzania: Developing human rights field school with excavation sites with Dodomo University, Tanzania.
2012 -	Uganda: Ethnographic research in Acholiland, Uganda concerning human rights atroicities and the excavation of mass graves; with Tricia Hepner.
2011	Spain: Human Rights Training Consultant and Assistant Investigator, Menasalbas, Spain. Assisted in the analysis of 16 skeletons recovered from a Spanish mass grave. Universitat Autónoma de Barcelona.
2007	Spain: Human Rights Training Consultant and Assistant Investigator, Malaga, Spain. Assisted in the analysis of 11 skeletons recovered from a mass grave in Spain. Universitat Autónoma de Barcelona.
2004-2005	Spain: Human Rights Training Consultant and Investigator, Santaella, Spain. Assisted in the excavation and supervised analysis of 22 skeletons recovered from two cemeteries in Santaella in 2004. Universitat Autónoma de Barcelona.
2004	Spain: Human Rights Training Consultant and Assistant Investigator, Olessa, Spain. Consulted for and assisted in the search for a mass grave outside of Barcelona. Universitat Autónoma de Barcelona.
1999	Cyrprus: Assistant Investigator, Nicosia, Cyprus. Assisted in the excavation of mass graves of Greek Cypriots killed in the 1975 war with Turkey. Physicians for Human Rights.
1991	Argentina: Assistant Investigator, Buenos Aires, Argentina. Assisted *EAAF* in the exhumations and osteological analyses for the purposes of personal identification and documentation of human rights abuses of 300 "disappeared" individuals buried in mass graves. Mercedes Doretti, Argentine Forensic Anthropology Team.

DEPARTMENTAL, UNIVERISTY AND PROFESSIONAL SERVICE

University of Tennessee Univeristy & Department Committees and Contributions

2024 – 2025	Member, Search Committee for Head, Department of Anthropology
2024	Member, Search Committee for Political Science International Studies Assistant Professor
2023 - 2024	Chair, Search Committee, Archaeology Assistant/Associate Professor
2023	Search Committee, Biological Anthropology Assistant Professor
2021 - 2022	Search Committee, Cultural Anthropology Associate Professor
2020 - 2021	Associate Head, Department of Anthropology
2020 -	Committee, Chancellor Professors
2020 -	Chair, Department Performance Assessment Review Committee
2019 - 2022	Tenure and Promotion Committee, College of Arts and Sciences (elected)
2017	Chair, Search Committee, Research Associate
2016 - 2017	Search Committee, External Head, Department of Anthropology
2016	Search Committee, Associate Vice Chancellor of Research
2015 - 2017	Institutional Compliance Committee
2015	Search Committee, Director of Research Development, ORE
2014	Sociology Chair Review Committee, College of Arts and Sciences
2014 -	Department Review Committee, IRB
2014 - 2017	Research Council
2014 - 2017	Faculty Senate (elected)
2014	Search Committee, Archaeology Research Laboratory Director
2014	Academic Outreach and Engagement Council, College of Arts and Sciences
2013	Search Committee, Associate Dean of Graduate Studies, College of Arts and Sciences
2013	Search Committee, Associate Dean of Diversity, College of Arts and Sciences
2012	Peer Reviewer, Office of Research, Outreach and Engagement grants
2011 - 2012	Department Strategic Planning Committee
2011 -	Director, Forensic Anthropology Center

Binghamton University & Department Committees And Contributions

2010 - 2011	Graduate Council (elected)
2010 - 2011	Presidential Search Committee (elected)
2009	Chair, Interpretations and Procedures Subcommittee, All-University Personnel Committee (elected)
2008	All-University Personnel Committee, Professional Schools (elected)
2008 - 2009	Representations Committee, Department of Anthropology, Binghamton University
2007-	Executive Committee, Department of Anthropology, Binghamton University (elected)
2006-	General Education Laboratory Science Assessment Category Team, Binghamton University

2005 - Second Year Curriculum Committee, SUNY Upstate Medical University
2004 - 2005 Harpur College Academic Honesty Committee, Binghamton University
1999 Bridges Faculty Mentor, SUNY Upstate Bridges to the Baccalaureate
2002 - 2004 Executive Committee, Department of Anthropology, Binghamton University (elected)
2001 – 2002 Harpur College Council, Binghamton University

Professional Memberships

American Academy of Forensic Sciences (Fellow 2005)
American Anthropological Association
American Association of Biological (was Physical) Anthropologists
American Board of Forensic Anthropology (Diplomate 2005)
American Association for the Advancement of Science (Fellow 2011)
American School of Classicial Studies at Athens
Forensic Anthropologist (GS-190-13) for the United States Health and Human Services (USPHS) and National Disaster Medical System (NDMS) Disaster Mortuary Operational Response Team (DMORT)
Paleopathology Association

OFFICES & AWARDS

Professional & Community Offices, Editorial Positions and Committees

2025 - Co-chair, Ethics Committee, American Association of Biological Anthropologists
2023 - Member, Forensic Anthropology Subcommittee, Organization of Scientific Area Committees (OSAC) for Forensic Science.
2023 - 2025 At large member, Section H Steering Committee, American Association for the Advancement of Science (appointed by Section H president)
2020 - Chair, Humanitarian and Human Rights Resource Center (HHRRC), American Academy of Forensic Sciences (AAFS) (appointed by AAFS BOD)
2019 - 2020 Participant, Workshop on Data Sharing in Biological Anthropology. Sponsored by National Science Foundation, Grant/Award Number: 1826885. Publications include: Turner, T. R., & Mulligan, C. J. (2019). Data sharing in biological anthropology: Guiding principles and best practices. *American Journal of Physical Anthropology*, 170, 3– 4; and Boyer, Jahnke, Mulligan and Turner (2020) Response to letters to the editor concerning AJPA commentary on "data sharing in biological anthropology: Guiding principles and best practices." *American Journal of Physical Anthropology* 172(3):344-346.
2017 - 2022 Board member, AAAS Advisory Committee of the National Conference of Lawyers and Scientists (American Association for the Advancement of Science)
2017 - 2020 Member, International Advisory Council of the Humanitarian and Human Rights Resource Center (HHRRC) of the American Academy of Forensic Sciences.
2016 External Review Committee, Proposed PhD Program in the Department of

	Anthropology, Texas State University.
2015 - 2016	Advisory Editor, *Oxford Bibliographies*, Oxford University Press.
2015 - 2017	Vice President, Board of Directors, American Board of Forensic Anthropology (elected)
2015	National Academy of Science, Committee on Law and Justice, Division of Behavioral and Social Sciences and Education, Committee on Strengthening Forensic Science at the National Institute of Justice.
2015	External Review Committee, Department of Anthropology, Southern Illinois University
2014 -	Member, American School of Classical Studies at Athens Managing Committee, Archaeological Institute of America (elected voting member).
2013	Local Arrangements Committee, American Association of Physical Anthropologists
2012	Selected as a Fellow of the University of South Carolina Provost's Visiting Scholar Institute.
2011 - 2017	Board of Directors, American Board of Forensic Anthropology.
2011	Fellow (elected), American Association for the Advancement of Science
2010	National Institute of Justice (NIJ) Panel for Medicolegal Investigations Grants
2009 - 2011	National Science Foundation (NSF) Panel for Doctoral Dissertation Research Improvement Grants (DIGG), Physical Anthropology Program.
2008	National Institute of Justice (NIJ) Panel for the New Initiative of Forensic Science Grants
2005	Chair of the symposium, "Bioarchaeological Investigations at Orendorf, A Middle Mississippian Site from West-Central Illinois," 62nd Annual Meeting of the Southeastern Archaeological Conference, Columbia, SC. November 5, 2005.
2003 - 2006	Program Committee, American Association of Physical Anthropologists
2001 - 2003	Board Member, Crimestoppers International, Binghamton Chapter

Professional Peer Reviews

American Anthropologist	Journal of Archaeological Science
American Journal of Physical Anthropology	Journal of Forensic Sciences
Annals of Anatomy	Journal of Human Evolution
Current Anthropology	Journal of Material Culture
Elsevier Press	National Institute of Justice
Forensic Science International	National Science Foundation
Graduate Women in Science	Oxford University Press
Guggenheim Foundation	Prentice Hall
International Journal of Osteoarchaeology	Social Sciences and Humanities Research Council of Canada
International Journal of Paleopathology	Southeastern Archaeology
National Geographic Society	Geological Society of America
Journal of Anthropological Archaeology	Bioarchaeology International
Yearbook of Physical/Biological Anthropology	Forensic Anthropology
Southern Center for Human Rights	Forensic Science International
Science and Justice	

TEACHING

Courses Taught

Undergraduate

Introduction to Physical Anthropology and Archaeology
Introduction to Biological Anthropology
Forensic Anthropology
Plagues, Culture and History (Co-Instructor)
Human Skeleton
Bones, Bugs and Forensic Science
Gross Anatomy and Physiology
Paleopathology
Current Trends in Anthropology
Professionalism & Ethics in Forensic Anthropology

Graduate

Method and Theory in Biological Anthropology
Skeletal Biology
Methods in Forensic Anthropology
Advanced Forensic Anthropology
Seminar in Physical Anthropology
Co-evolution of Humans and Pathogens
Contemporary Issues in Anthropology
Paleopathology
Physical Anthropology
Research Design and Proposal Writing
Forensic Anthropology I and II
Ethics & Professionalism in Forensic Sciences

Additional Professional Teaching Experience

2004-2019	Human Rights Training Consultant, Universitat Autónoma de Barcelona.
2004-2005	Training Consultant, United Health Services Resident Program.
2003	Training Consultant, Lopke Construction Company.
2001 & 2002	Training Consultant, Binghamton Police Department.
1999	Training Coordinator, Physicians for Human Rights Cyprus Project, 1999.
1998 - 1999	Training Co-coordinator for the OPTAG (Opportunities for Talented and Gifted Iowa Students) Forensic Sciences program at Iowa State University.
1995	Consulting Anatomist, Olive Harvey College, Chicago.
1991-1995	Teaching Assistant, University of Chicago, *Human Gross Anatomy, Embryology and Histology*

MENTORING (Chair)

Ph.D. Dissertation Chair

Student	Grad Year	Dissertation Title	Institution
Caroline Znachko	2026	Biological Embedding of Social Inequality: Integrating Epigenetic and Skeletal Indicators to Examine the Developmental Origins of Stress Physiology in Appalachia	University of Tennessee
Grace Kilroy	2026	Craniofacial Growth Patterns Across Postnatal Development	University of Tennessee
Sara Fatula	2025	Investigating Mortality Disparity Attributed to Intersectional Heterogeneity during Epidemiological Transitions within Documented Skeletal Collections	University of Tennessee
Hayden McKee-Zech	2024	Investigation into Using Entomology to Improve Methods of Anthropological Post-mortem Interval Estimation	University of Tennessee
William Cawley	2023	Following the Thread: Ex-Combatant Reintegration and the Search for the Disappeared in Colombia	University of Tennessee
Greg Wehrman	2023	Exploring Localized Relationships Between Age-Related Bone Loss and Cortical Expansion in Diaphyseal Bone	University of Tennessee (co-chair)
Armando Anzellini	2022	Exploring Intra-skeletal Variation in Stable Isotope Analysis Through Non-destructive Approaches	University of Tennessee
Derek Boyd	2022	Morbidity, Mortality and Marginalization: An Intersectional Investigation of Respiratory Stress and Differential Frailty in Industrial-Era England	University of Tennessee
Haley Horbaly	2022	Articular Morphology in Human Limb Synovial Joints: Variation, Covariation and Applications	University of Tennessee (co-chair)
Kaitlyn Stiles	2019	Embodying Mycenaean Cultural Identity in Late Bronze Age Central Greece: A Bioarchaeological Analysis	University of Tennessee

Student	Grad Year	Dissertation Title	Institution
Cristina Figueroa-Soto	2019	Understanding Population Variability in Age-at-Death Estimation for Modern Populations in Mexico and Puerto Rico Through the Use of 3D Laser Scans of the Pubic Symphysis	University of Tennessee
Maria Alexandra Cerquera Lopez	2018	The Law Of Justice And Peace And The Disappeared: A Critical Evaluation Of Forensic Intervention As A Tool Of Transitional Justice In Colombia	University of Tennessee
Angela Dautartas	2018	A Comparison of Human and Domestic Pig Decomposition Using Multivariate Methods	University of Tennessee
Kelly Sauerwein	2018	Perceptions and Cognitive Bias in Decomposition Scoring Methods in Forensic Anthropology	University of Tennessee
Alice Gooding	2017	Variation in Cortical Bone Distribution in the Aging Adult Appendicular Skeleton	University of Tennessee (co-chair)
Tiffany Saul	2017	Taphonomic Effects Upon Isotopic Analysis of Human Hair	University of Tennessee
Jieun Kim	2016	Understanding Population-Specific Age Estimation Using Multivariate Cumulative Probit Regression For Asian Skeletal Samples	University of Tennessee
Christina Fojas	2016	Modeling Prehistoric Health in the Middle Cumberland Region of Tennessee: Mississippian Populations on the Threshold of Collapse	University of Tennessee
Sean Tallman	2016	The Evaluation and Refinement of Nonmetric Sex and Ancestry Assessment Methods in Modern Japanese and Thai Individuals	University of Tennessee
Jocelyn Minsky-Rowland	2016	The Effect of Social and Environmental Stresses Among the Historic Arikara Native Americans	University of Tennessee
Kyle McCormick	2015	Assessing a Biologically Informed Structure to Accuracy in Osteometric Reassociation	University of Tennessee
Erin Guthrie	2015	Osteometric Sorting In A Native American Ossuary Context: Body	Binghamton University,

Student	Grad Year	Dissertation Title	Institution
		Fragmentation And Reassociation At The Gold Mine Site (16ri13) Of Northeastern Louisiana.	State University of New York
Jaymelee Kim	2014	They Made Us Unrecognizable to Each Other: Human Rights, Truth, and Reconciliation in Canada	University of Tennessee (co-chair)
Nicole Jastremski	2014	The Interaction between Biological Ancestry, Hybridization, and Mortuary Practices in the Colonial Ecuadorian City of Cuenca	Binghamton University, State University of New York
Aimee Huard	2013	Cerro Mangote: Interpretations of Space Based on Mortuary Analysis	Binghamton University, State University of New York
Giovanna M. Vidoli	2012	Shifting Borders: Population Movement and the Geopolitical Landscape of the Middle Cumberland Region during the Mississippian Period	Binghamton University, State University of New York
Benjamin Figura	2011	A Bayesian approach to disaster victim identification	Binghamton University, State University of New York
Heather A. Worne	2011	Conflicting spaces: Bioarchaeological and geophysical perspectives on warfare in the Middle Cumberland Region of Tennessee	Binghamton University, State University of New York
Jeremy J. Wilson	2010	Modeling life through death in late prehistoric west-central Illinois: An assessment of paleodemographic and paleoepidemiological variability	Binghamton University, State University of New York
Jennifer Bauder	2009	Porotic hyperostosis: Differential diagnosis and implications for subadult survivorship in prehistoric west-central Illinois	Binghamton University, State University of New York

MA Thesis Chair

Student	Grad Year	Thesis Title	Institution
Olivia Golubowski	2026	Long Term Stability of Drug Metabolites in Dental Calculus	University of Tennessee
Sydney Munkus	2026	Unlocking Learning Gaps: A Data Driven Look at Retention in Undergraduate Osteology	University of Tennessee
Meghan Wells	2026	Gender Embodiment, Decedent Identification, and the Epidemiology of Vital Statistics in the Medicolegal System	University of Tennessee
Mason Jones	2026	Childhood Frailty and Mortality	University of Tennessee
Anielle Duncan	2024	Using Fiber-Optic Reflectance Spectroscopy (FORS) to Identify Human Decomposition Characteristics in Plants and Soil	University of Tennessee
Serena Thariath	2022	A Comparative Study of "Better Body Bags" Versus Standard White Body Bags to Estimate Relative Preservation of Forensically Identifying Human Genomic and Morphological Information	University of Tennessee
Elizabeth Ronald	2022	Body Size Interactions With Pubic Symphysis Age-At-Death Estimation: A Critical Analysis of Senescence of the Pubic Symphysis Components	University of Tennessee
Karli Palmer	2022	Simulating Fluvial Transport Patterns of Human Remains in the Tennessee River	University of Tennessee
Sarah Hartman	2022	An Analysis of Mincer's Method and the UT-Age Program	University of Tennessee
Haley Horbaly	2017	The Influence of Body Size on Sexual Dimorphism	University of Tennessee
William Cawley	2017	Identity by the Numbers: Cancer Lesions and Likelihood Ratios	University of Tennessee
Greg Wehrman	2016	A Morphometric Examination of Cranial Vault Modification in the Middle Cumberland Region of Central Tennessee	University of Tennessee
Kinsey Stewart	2013	Issues of Commingling	University of Tennessee

Student	Grad Year	Thesis Title	Institution
		Within the Gold Mine Site (16RI13) Collection: Mature Human Humeri and Tibiae	
Anna M. Marx	2011	Periostitis and survivorship at Cerro Mangote, Panama	Binghamton University, State University of New York
Jocelyn Minsky-Rowland	2011	The effect of sex and biological stress on the skeletal expression of infectious disease during the reproductive years	Binghamton University, State University of New York
Kito Nzingha	2011	Gold Mine: Oral health of a prehistoric Native American population	Binghamton University, State University of New York
Jieun Kim	2011	An application of transition analysis to Korean skeletal samples from the Joseon Dynasty period	Binghamton University, State University of New York
Brittney L. Tatchell	2010	Demographic analysis of an A.D. 825 ossuary context: The Gold Mine site (16RI13) of northeastern Louisiana	Binghamton University, State University of New York
Melissa C. Welzein	2007	Distribution and patterns of osteoarthritis in the Orendorf adult sample	Binghamton University, State University of New York
Jamie Allison	2007	A comparison of two histological age estimation techniques based upon the rib in a Middle Mississippian population from west-central Illinois	Binghamton University, State University of New York
Malinda Rae Strange	2006	The effect of pathology on the stable isotopes of carbon and nitrogen: Implications for dietary reconstruction	Binghamton University, State University of New York
Heather A. Worne	2005	Lower-limb biomechanics and behavior in a Middle Mississippian skeletal sample from west-central Illinois	Binghamton University, State University of New York
Sean D. Tallman	2004	The osteological evidence for violence and health in a Middle Mississippian settlement from the Central Illinois River Valley	Binghamton University, State University of New York

Student	Grad Year	Thesis Title	Institution
Jeremy J. Wilson	2004	Childhood health, mortality, and linear enamel hypoplasias in a Middle Mississippian population from the Central Illinois River Valley	Binghamton University, State University of New York
Jennifer M. Bauder	2002	A demographic profile of porotic hyperostosis at the prehistoric site of Orendorf	Binghamton University, State University of New York
Sara Stevens Phillips	2002	Look both ways before crossing: The ability of long bone fractures to estimate direction of impact in fatal car-to-pedestrian accidents	Binghamton University, State University of New York
Cameron Marc Walker	2000	A multidisciplinary approach to determining postmortem intervals in central Iowa	Iowa State University
Angela Jo Hanson	2000	Skeletal evidence of tuberculosis and treponematosis in a prehistoric population from west-central Illinois	Iowa State University

Current Students (Primary Adviser)
Devin Adcox (PhD), Christine Bailey (PhD), Tempest Mellendorf (PhD), Christine Bailey (PhD), Erin Patrick (PhD), Olivia Golubowski (PhD), Takara Rodriguez (MA)

SELECTED INVITED LECTURES, AND KEYNOTES (Last 10 years)

2026 "Local, National and Global Impacts of Forensic Anthropology." Invited speaker, Tellico Village, TN. May 18, 2026.

2025 "Forensic Anthropology Center Research; The Tri-State Crematorium Response." Invited lectures, The Independent Funeral Group Annual Conference. Gatlinburg, TN. September 10, 2025.

2024 "The application of skeletal biology to bioarchaeology, forensics, and forensic human rights investigations." Invited speaker, New York University. September 26, 2024.

2023 "Forensic Anthropology and Research at the 'Body Farm." Invited speaker, The Independent Funeral Group. Pigeon Forge, TN. September 13, 2023.

2023 "An Overview of the Forensic Anthropology Center." Invited speaker, Association of Certified Fraud Examiners. Knoxville, TN. September 12, 2023.

2023 "The Body Farm: Innovations in Forensic Science Research." Invited speaker, The Women in Forensic Anthropology Lecture Series, Middle Tennessee State Univeristy. Murfreesboro, TN. April 23, 2023.

2022 "Research at the University of Tennessee "Body Farm": Surprising Clinical Connections." Lecture to the Southern Medical Association (virtual). October 29, 2022.

2022 "Dignity for Dead and Human Rights for the Living: Forensic Anthropology as Engaged Anthropology." Invited lecture, College of Social and Behavioral Sciences, University of Massachusetts, Amherst. October 21, 2022.

2022 "Introduction to the Body Farm: The First Anthropology Research Facility." Lecture to the Lilliputian Surgical Society. East Tennessee Children's Hospital, September 10, 2022.

2022 "Child Abuse and Forensic Anthropology." Lecture to the Lilliputian Surgical Society. East Tennessee Children's Hospital, September 10, 2022.

2022 "Discriminating Between Fresh and Dry Bone Modifications: What the Body Farm Can Teach us about Taphonomic Changes in Surface Remains." Paleopathology Association Webinar Lecture. January 26, 2022.

2021 "Forensic Anthropology, Bioarchaeology and Human Rights Investigations." Invited lecture, University of Central Florida Kent Family Speaker. April 1, 2021.

2019 "Raccoons, Mass Graves and Drugs: Multidisciplinary Research at the Body Farm." Ohio State University, February 1, 2019.

2019 "Raccoons, Mass Graves and Drugs: Multidisciplinary Research at the Body Farm." Keynote speaker at Indiana State University, March 1, 2019.

2018 "An Overview of Forensic Anthropology and Research Capabilities of the Forensic Anthropology Center." Speaker at the Innocence Project, New York City. April 28, 2018.

2017 "Contemporary Forensic Research at the University of Tennessee Forensic Anthropology Center." Ruby Cook Lecturer, St. Jude Children's Hospital, Memphis, Tennessee. September 25, 2017.

2016 "The Intersection of Animals and Forensic Anthropology." Midwest Association of Veterinary Pathology. Fall Creek Falls, Tennessee. August 11, 2016.

2016 "Beyond the Postmortem Interval: Forensic Anthropology Research at the

Forensic Anthropology Center." Medizinische Universität Wien, Department für Gerichtsmedizin, Vienna. June 13, 2016.

2016 "Interpreting Traumatic Recidivism in Bioarchaeology and Forensic Anthropology." Arizona State University, Tempe, AZ. April 22, 2016.

2015 "Forensic Anthropology: From Mass Graves to the Classroom." UT Alumni Association, Rutherford Chapter. Murfreesboro, TN. September 22, 2015.