Katelyn L. Bolhofner, PhD, D-ABFA

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ACADEMIC POSITIONS

Associate Director, School of Interdisciplinary Forensics, ASU	08/2026-Present
Associate Professor, Arizona State University	08/2026-Present
Assistant Professor, Arizona State University	08/2019-08/2026
Assistant Professor, Texas Tech University	08/2018-08/2019
Adjunct Professor, Mesa Community College	01/2018-08/2019
Post-Doctoral Research Associate, Arizona State University DNA from Burned Bone, NIJ Grant 2016-DN-BX-0158	05/2017-07/2018

RELATED PROFESSIONAL POSITIONS

Forensic Anthropologist	03/2025-Present
Maricopa County Office of the Medical Examiner	
Forensic Anthropologist	01/2021-Present
Yavapai County Office of the Medical Examiner	
Bioarchaeologist	06/2011-Present
Princeton Archaeological Expedition, Polis, Cyprus	
National Institutes of Health, "All of Us" Biomedical Research Scholar	05/2024-2025
Baylor College of Medicine	
Forensic Anthropology Analyst	05/2017-03/2025
Maricopa County Office of the Medical Examiner	

EDUCATION AND CERTIFICATION

Diplomate – American Board of Forensic Anthropology, #150	2021
Arizona State University, Graduate Certificate in Museum Studies	05/2017
Arizona State University, Ph.D. (Anthropology)	05/2017
Arizona State University, M.A. (Anthropology)	05/2011
The University of Florida, B.A. (Anthropology) *summa cum laude*	12/2008

PROFESSIONAL INTERESTS

Forensic anthropology – skeletal biology, trauma analysis, decomposition and taphonomy, humanitarian forensics; Bioarchaeology – biological distance analysis, Islamic and Medieval Mediterranean and Europe, culture contact and exchange, paleopathology, ethics.

GRANTS

Total submitted: $9,986,059; Total Awarded at ASU: $3,321,548 ($1,165,477 as PI)

Table Key: **Awarded |** *Submitted/Pending* | Declined/Revise & Resubmit Issued

#	Role	Agency	Project Title	Amount	Dates
23	*Co-PI*	*National Science Foundation*	*Exploratory GPR and Advanced Mapping of Mass Graves in Paraguay.*	*$36,496*	*2025-2026*
22	*PI*	*Arizona State University Foundation- Women in Philanthropy*	*"They are our Parents" – Humanitarian Forensics in Paraguay – The Establishment of a Family Network Program for Victims of Operation Condor.*	*$49,820*	*2025-2026*
	Co-PI	*National Science Foundation*	*REU Site: Advancing Undergraduate Research in the Forensic Science.*	*$274,751*	*2025-2026*
21	*Co-PI*	*New College of Interdisciplinary Arts and Sciences, Arizona State University, Scholarship, Research and Creative Activities (SRCA) Seed Grant Program*	*Analysis of Microbial and Elemental Signatures to Indicate Moved Remains*	*$14,919*	*2025-2026*
20	PI	National Institute of Justice	Decomposition in the Desert: Advancing the accuracy of post-mortem interval estimation through the development of a multidisciplinary model for use across the United States.	$693,029	2024-2027
19	Co-PI	National Institute of	Improving DNA profile	$677,822	2024-2026

		Justice	generation from burned tissue and bone.		
18	**Co-PI**	**New College of Interdisciplinary Arts and Sciences, Arizona State University.**	**Growth and Social Embeddedness through the Forensic Sciences.**	**$10,000**	**2024-2025**
17	PI	Arizona State University Foundation	Growth through Forensic Science.	$44,096	2024-2025
16	**PI**	**Humanitarian and Human Rights Resource Center, American Academy of Forensic Sciences.**	**"They are our parents" – Implementing an anthropological approach to education and excavation in the effort to locate, identify, and repatriate victims of Operation Condor in Paraguay.**	**$10,000**	**2023-2024**
15	Co-PI	National Institute of Justice	Degraded forensic DNA recovery: optimizing methods to facilitate use and cost	$611,844	2023-2025
14	PI	National Institute of Justice	Decomposition in the Desert: Advancing the accuracy of post-mortem interval estimation through the development of a multidisciplinary model for use across the United States.	$983,052	2023-2025
13	**Co-PI**	**Arizona Board of Regents.**	**How to Consult with the Law: Courts Need your Science & Technology Expertise.**	**$110,149**	**2023**
12	Co-PI	National Institute of Justice	Degraded forensic DNA recovery: Addressing challenges through cost effective options.	$781,540	2022
11	PI	National Institute of Justice	Decomposition in the Desert: Advancing the accuracy of post-mortem interval estimation through the development of a multidisciplinary model for use across the United States.	$1,068,126	2022-2024
10	Co-PI	National Endowment for the Humanities	Reinvigorating the Interdisciplinary Health Humanities Certificate.	$34,932	2021-2022

9	**PI**	**National Institute of Justice**	**A Skeletal Atlas of Elder Abuse: Establishing Markers of Physical Abuse and Developing a Digital Diagnostic Tool for Education and Screening.**	**$1,035,328**	**2021-2025**
8	Co-PI	National Institute of Justice	Adapting and optimizing DNA recovery protocols for degraded forensic remains.	$718,573	2021-2023
7	**Consultant**	**National Institute of Justice**	**Optimizing the Analysis of DNA From Burned Bone Using Ancient DNA Techniques**	**$783,744**	**2020-2022**
6	**Consultant**	**National Institute of Justice**	**Testing new methods for degraded DNA recovery and next-generation sequencing.**	**$669,898**	**2019-2021**
5	*PI*	*National Institutes of Health, R:01*	*The Skeletal Manifestations of Elder Abuse: Development of an Atlas for Diagnosis.*	*$352,875*	*2019*
		submitted after starting current role as tenure-track Assistant Professor			
4	*PI*	*National Institute of Justice*	*The Skeletal Manifestations of Elder Abuse: Development of an Atlas for Diagnosis.*	*$322,636*	*2018*
3	**Consultant**	**National Institute of Justice**	**DNA from Burned Bone: The application of ancient DNA methods to forensic DNA recovery.**	**$657,544**	**2017-2019**
2	**PI**	**Wenner-Gren Foundation: Dissertation Fieldwork Grant**	**Conquest and Conversion in Islamic Period Iberia**	**$20,000**	**2015-2016**
1	**PI**	**National Science Foundation: Doctoral Dissertation Improvement Grant**	**Conquest and Conversion in Islamic Period Iberia**	**$24,885**	**2015-2016**

NOTE Re: Authorship in the following sections – As is standard, author order determined by the extent of each author's intellectual contribution, with first authorship typically reflecting the largest contribution. Exceptions are noted in cases where last authorship indicates project oversight, particularly where a student author is placed first.

[*] *Indicates equal contribution, shared first authorship, or project oversight by KLB.*

[GS] *Indicates graduate student co-author at time of publication.*

[UG] *Indicates undergraduate student co-author at time of publication.*

PUBLICATIONS (peer-reviewed)

19. **Bolhofner, KL**, Harris, JA, Fulginiti, LC and JE Buikstra. (In Review). Employing probability models in the diagnosis of elder abuse.

18. **Bolhofner, KL**, Sweat, KG, Mata Salinas, J[UG], and PA Marshall (In Press). The Forensic Footprint: Elemental and Microbial Evidence in Relocated Remains. *Journal of Forensic Science.*

17. **Bolhofner, KL** (In Press). *Conquest and Conversion in Islamic Period Iberia (A.D. 711-1490): A Bioarchaeological Approach*. Gorgias Press.

16. Emery MV, **Bolhofner KL***, Spake L, Ghafoor S, Versoza CJ, Rawls EM[GS], Winingear S[UG], S, Buikstra J, LOreille O, Fulginiti L, and AC Stone (2024). Targeted Enrichment of Whole-Genome SNPs from Highly Burned Skeletal Remains. *Journal of Forensic Science* 69(5):1558-1577.

15. Buikstra J, DeWitte S, Agarwal S, Baker B, Bartelink E, Berger E, Blevins K[GS], **Bolhofner KL**, *et al.* (2022). 21st Century Bioarchaeology: Taking Stock and Moving Forward. Yearbook of Biological Anthropology, *American Journal of Biological Anthropology* 178: S74, 54-114. **Wiley Top-Cited Article of 2022-2023.**

14. Emery MV, **Bolhofner KL***, Ghafoor, S, Winingear S[UG], S, Buikstra J, Fulginiti L, and AC Stone (2022). Whole mitochondrial genomes assembled from thermally altered forensic bones and teeth. *Forensic Science International: Genetics* 56.

13. Díaz-Zorita Bonilla M, Subirácd ME, Fontanals-Colle M, Knudson KJ, Alonzi E[GS], **Bolhofner, KL**, Morellai B, Remolins G, Roigk J, Martín A, González Marcén P, Plasenciam J, Coll JM, and JF Gibaj (2021). Neolithic networking and mobility during the 5th and 4th millennia BC in north-eastern Iberia. *Journal of Archaeological Science*. Volume 125, 105272.

12. Emery MV, **Bolhofner KL***, Winingear S[UG], Oldt R[GS], Montes, M, Kanthaswamy S, Buikstra J, Fulginiti L, and AC Stone (2020). Reconstructing full and partial STR profiles from severely burned human remains using comparative ancient and forensic DNA extraction techniques. *Forensic Science International: Genetics* 46.

11. Fulginiti, LC, Seidel, AC, and **KL Bolhofner** (2020). "To understand the parts, it is necessary to understand the whole": The Importance of Contextualizing Patterns in Forensic

Anthropology Casework. In Garvin, H and N Langley (editors) *Case Studies in Forensic Anthropology: Bonified Skeletons*. CRC/Routledge.

10. **Bolhofner, KL** and AC Seidel. Expertise and the Expert Witness: Contemporary Educational Foundations of Forensic Anthropology (2019). In Fulginiti, LC, A Galloway, KM Hartnett-McCann (editors) *Forensic Anthropology and the United States Judicial System*. John Wiley & Sons.
9. Buikstra, JE, DeWitte, SN, and **KL Bolhofner**. History of Paleopathology (2019). In: Buikstra, JE (editor) Identification of Pathological Conditions in Human Skeletal Remains, 3rd Edition. Elsevier.
8. Buikstra, JE and **KL Bolhofner** (2018). Bioarchaeologists Speak Out: An Introduction. In: Buikstra, J.E. (editor) *Bioarchaeologists Speak Out: Deep Time Perspectives on Contemporary Issues*. Springer.
7. Buikstra, JE Cook, DC, and **KL Bolhofner** (2017). Introduction: Scientific rigor in paleopathology. *International Journal of Paleopathology* 19:80-87.
6. **Bolhofner, KL** (2017). Identity marker or medicinal treatment? An exploration of the practice and purpose of dental ablation in Semna South, Sudan. In: Burnett, S. and J. Irish (editors) *A World View of (Bio)Culturally Modified Teeth: Past and Present.* University of Florida Press.
5. Fulginiti, LC and **KL Bolhofner** (2017). Forensic Anthropology. In: Moenssens, A.A., Starrs, J.E., Henderson, C.E., and F.E. Inbau (editors) *Scientific Evidence in Civil and Criminal Cases*, *7th Edition*. Foundation Press.
4. **Bolhofner, KL** and LC Fulginiti (2016). Patterns of ossification in macerated thyroid cartilages: Implications for age and sex estimation. *Proceedings of the American Academy of Forensic Sciences* p. 100.
3. Baker, BJ and **KL Bolhofner** (2014). Biological and Social Implications of a Medieval Burial from Cyprus for Understanding Leprosy in the Past. *International Journal of Paleopathology* 4:17-24.
2. **Bolhofner, KL** (2013). Defining and Redefining Native American Identity: An examination of the role of the museum in contemporary ethnogenesis in the United States. *Museum and Society* 11(3):1-13.
1. Van Deest, TL, Warren, MW, and **KL Bolhofner** (2012). Advances in the

Anthropological Analysis of Cremains. In: Dirkmaat, D (editor) *A Companion to Forensic Anthropology*. New York: Wiley-Blackwell, p. 418-31.

SELECT MANUSCRIPTS IN PREPARATION & REVISION

10. Morgan D[UG], and **KL Bolhofner***. Identifying Stress Factors and Related Coping Mechanisms Among Forensic Pathologists. To be submitted to the *Journal of Forensic Science* Special Issue on Vicarious Trauma in Forensic Scientists, August 2025.

9. Harris, JA, Sartorio A, and **KL Bolhofner***. The utility of ground-penetrating radar to identify and map mass graves in South America: A longitudinal experiment in Paraguay. Submitted to *Forensic Science International*.

8. **Bolhofner, KL**, Fulginiti, LC and JE Buikstra. A skeletal atlas of elder abuse: Differentiation of fracture patterns from abuse/neglect and accidental falls. To be submitted to the *Journal of Forensic Science*.

7. Gary, K, **Bolhofner, KL***, Harris, JA, Fulginiti, LC and JE Buikstra. A skeletal atlas of elder abuse: results of beta-testing a novel approach to diagnosis and education at the American Academy of Forensic Science. Submitted to the *Journal of Forensic Science*.

6. Baker, Brenda J. and **Katelyn L. Bolhofner***. Leprosy in the circum-Mediterranean region: a critical review of biological and historical evidence. To be submitted to the *International Journal of Paleopathology.*

5. **Bolhofner, KL.** Petrous Apicitis in Paleopathological Context: The diagnosis and description of infection in the petrous apex of the temporal bone in an ancient Sudanese population. To be submitted to the *International Journal of Paleopathology.*

4. **Bolhofner, KL** and LC Fulginiti. Patterns of ossification in macerated thyroid cartilages: Implications for age and sex estimation. To be submitted to the *Journal of Forensic Science.*

3. **Bolhofner, KL** and BJ Baker. Dental Ablation in Ancient Nubia. To be submitted to the *American Journal of Biological Anthropology.*

2. Harris, JA, **Bolhofner, KL*** and LC Fulginiti. Comparative skeletal anatomy of Southwest fauna: A field guide for forensic scientists. Book contract in discussion with publishers.

1. Fulp KJ[GS], Jacob A. Harris, and **KL Bolhofner***. Decomposition in the Desert: Testing the Validity of Using Accumulated Degree Days (ADD) and Total Body Scores (TBS) for Postmortem Interval Estimation in the Sonoran Desert. To be submitted to the *Journal of Forensic Science.*

SELECT INVITED RESEARCH PRESENTATIONS

11. **Bolhofner, KL**. Science in Action: Bridging STEM and forensics to address urgent issues in our region. *Keynote Address*, Arizona Nevada Academy of Science Annual Conference, April 12, 2025.

10. Harris, JA, Sartorio, A, R Goiburú and **KL Bolhofner***. "They are our parents": The identification and mapping of mass graves resulting from Operation Condor in Paraguay. Presented at the Humanitarian and Human Rights Resource Center's annual symposium at the 77th Annual Meeting of the American Academy of Forensic Sciences, February 2025.

9. **Bolhofner, KL**. Humanitarian Forensics: Lessons from Paraguay. Presented to the Dean's Leadership Alliance Board, New College of Interdisciplinary Arts and Sciences, Arizona State University, November 13, 2024.

8. **Bolhofner, KL.** Forensic anthropology and mass graves: Lessons from Paraguay. Presented for the American Bar Association's International Criminal Law committee webinar "Safeguarding the Dignity of the Dead: International Perspectives on Mass Graves" at the invitation of the International Law Section's Co-Chair, October 30, 2024.

7. **Bolhofner, KL,** Sartorio, A, and R Goiburú. "They are our parents": Applications of forensic anthropology in identifying victims of Operation Condor. Presented at the Humanitarian and Human Rights Resource Center's annual symposium at the 76th Annual Meeting of the American Academy of Forensic Sciences, February 2024.

6. Emery, MV, **Bolhofner, KL**, Buikstra, J.E., Fulginiti, L.C., Stone, A.C. Ancient DNA Applications to Forensic Science: Extracting Usable Profiles From Degraded and Burned Bone. Guest presentation at the Federal Bureau of Investigation (FBI), Quantico VA, February 26, 2019.

5. **Bolhofner, KL.** Beyond trauma and disease: Examining the growth and potential of bioarchaeological research in Iberian medieval archaeology. Presented at the 81st Annual

Meeting of the Society for American Archaeology, Orlando, Florida, 2016.

4. **Bolhofner, KL.** Identity marker or medicinal treatment? An exploration of the practice and purpose of dental ablation in ancient Nubia. Presented as a poster at the 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, Canada, 2014.

3. Baker, BJ and **KL Bolhofner.** Using clinical evidence to infer the lived experiences of individuals with leprosy in the past. Presented at the 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, Canada, 2014.

2. **Bolhofner, KL**. *Dental ablation in Sudan: the construction and performance of social identity.* Presented at the 82nd Annual Meeting of the American Association of Physical Anthropologists, Knoxville, Tennessee, 2013.

1. **Bolhofner, KL**. *Ethnogenesis and Romanization: Toward a Bioarchaeological Approach to Identity*. Presented at the 2011 School of Human Evolution and Social Change Masters Symposium, Tempe, Arizona.

SELECT VOLUNTEERED RESEARCH PRESENTATIONS (peer-reviewed)

42. **Bolhofner, KL**, Harris, J, Gary, K, Fulginiti, LC and JE Buikstra. Establishing a skeletal atlas of elder abuse: Comparative lessons in 'science supporting justice' from a longitudinal study in the United States. Accepted for presentation at the 50th Annual Meeting of the European Academy of Forensic Science, Dublin, Ireland, May 2025.

41. Harris, JA, Sartorio A, Goiburú, R and **KL Bolhofner***. Implementing advanced geophysical survey and forensic archaeological methods to locate, identify, and excavate the unmarked graves of victims of Operation Condor, Paraguay. Accepted for presentation at the 50th Annual Meeting of the European Academy of Forensic Science, Dublin, Ireland, May 2025.

40. Harris, J, Fulp KJ[GS], Fulginiti LC, and Buikstra JE, **Bolhofner KL***. Establishing a skeletal atlas of elder abuse: A Bayesian examination of the complex relationships between age, sex, and the probability of abuse or accident as related to skeletal trauma. Presented at the 77th Annual Meeting of the American Academy of Forensic Sciences, 2025.

39. **Bolhofner KL**, Fulginiti LC, Gary, K, Harris, J, and Buikstra JE. A Skeletal Atlas of Elder Abuse: Beta Testing a Digital Diagnostic and Educational Tool. Workshop presented at the 77th Annual Meeting of the American Academy of Forensic Sciences, 2025.

38. Buikstra JE, **Bolhofner KL***, Stone AC, Fulginiti LC, Devlin J, Vidoli G, Parker C, Rawls E[GS]. The Impact of Burning on Skeletal and DNA Evidence. Workshop presented at the 76th Annual Meeting of the American Academy of Forensic Sciences, 2024.

37. Rawls E[GS], Emery M, Coffman A[UG], Winingear S[UG], Wissler A[GS], **Bolhofner K**, Buikstra J, Fulginiti LC, Rohrlach A, Parker C, Stone AC. Presented at the 76th Annual Meeting of the American Academy of Forensic Sciences, 2024.

36. Parker C, Coffman A[UG], Rawls E[GS], Rohrlach A, **Bolhofner K**, Fulginiti L, Vidoli G, Devlin J, Kanthawamy S, Oldt R, Stone A. The Application of Ancient DNA Methodologies to Badly Burned Forensic Samples. Presented at the 76th Annual Meeting of the American Academy of Forensic Sciences, 2024.

35. Jensen E[UG], Fulp K[GS], Harris JA, Buikstra JE, Fulginiti LC, and **KL Bolhofner***. Establishing a Skeletal Atlas of Elder Abuse: An Examination of the Relationship Between Bone Density and Skeletal Fractures in Accidental Falls and Suspected Abuse. Presented at the 76th Annual Meeting of the American Academy of Forensic Sciences, 2024.

34. **Bolhofner KL**, Fulginiti LC, and JE Buikstra. Establishing a Skeletal Atlas of Elder Abuse: An Expanded Study of Fracture Patterns in Documented Cases. Presented at the 75th Annual Meeting of the American Academy of Forensic Sciences, 2023.

33. Juarez Lopez M[UG], Fulp K[GS], and **KL Bolhofner**. Distinguishing Between Peri- and Postmortem Fractures to Bone in the Sonoran Desert. Presented at the 75th Annual Meeting of the American Academy of Forensic Sciences, 2023.

32. Spanyers M[UG], Fulp K[GS], and **KL Bolhofner**. Decomposition in the Desert: An Examination of the Relationship Between Exposure to Ultraviolet Radiation and the Process of Decomposition. Presented at the 75th Annual Meeting of the American Academy of Forensic Sciences, 2023.

31. Parker C, Rawls E[GS], Coffman A[UG], **Bolhofner K**, Fulginiti L, Vidoli G, Devlin J, Oldt R[GS],

Kanthawamy S, Stone A. The Application of Ancient DNA Methodologies to Badly Burned Forensic Samples and Their Potential to Aid in the Identification and Analysis of Difficult Samples. Presented at the 75th Annual Meeting of the American Academy of Forensic Sciences, 2023.

30. Morgan D[UG], and **KL Bolhofner***. Identifying Stress Factors and Related Coping Mechanisms Among Forensic Pathologists. Presented at the 75th Annual Meeting of the American Academy of Forensic Sciences, 2023.

29. Parker C, Emery MV, **Bolhofner KL**, Ghafoor S, Rawls E[GS], Winingear S[UG], Oldt R[GS], Kanthaswamy S, Buikstra J, Vidoli G, Devlin J, Fulginiti L, and AC Stone. Evaluating the use of ancient DNA laboratory protocols in the downstream DNA identification of burned forensic remains. Presented at the 12th meeting of the International Society or Applied Biological Sciences Conference on Forensic and Anthropological Genetics and Mayo Clinic Lectures in Individualized Medicine, 2022.

28. Brooks E[GS], De Cree T, and **KL Bolhofner**. Collagen Denaturalization in Porcine Femora: Maceration and its Effect on Co/NCo Ratios. Presented at the 91st annual meeting of the American Association of Biological Anthropologists, Chicago IL, 2022.

27. Fulp KJ[GS], Harris JA, and **KL Bolhofner*.** Decomposition in the Desert: Testing the Validity of Using Accumulated Degree Days (ADD) and Total Body Scores (TBS) for Postmortem Interval Estimation in the Sonoran Desert. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

26. Parrish, K[UG] and **KL Bolhofner***. Taphonomic Change in the Sonoran Desert: Monitoring Morphology in the Period of Mummification/Advanced Skeletonization. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

25. Emery MW, **Bolhofner KL**, Ghafoor S, Wissler A[GS], Rawls E[GS],Winnegar S[UG], Oldt R[GS], Kanthaswamy S, Buikstra JE, Fulginiti L, and AC Stone. A Multifaceted Short Tandem Repeat (STR) and Next Generation Sequencing (NGS) Assessment of Burned Human Remains Using Comparative DNA Extraction and In-Solution Hybridization Capture. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

24. Parker C, Rawls E[GS], **Bolhofner KL**, Fulginiti L, Vidoli G, Devlin J, Kanthaswamy S, and AC Stone. The Application of Ancient DNA Methodologies to Burned Forensic Samples and Their Potential to Aid in the Identification and Analyses of Difficult Samples. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

23. Gast MM[UG], Fulp KJ[GS], Harris JA, and **KL Bolhofner.** Insect Activity During Decomposition in the Extreme Sonoran Desert Climate. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

22. Fulginiti L, Michalicek Z, Seidel A, **Bolhofner KL**, and C Cross. Disseminated Coccidioidomycosis in the Human Skeleton. Presented at the 74th Annual Meeting of the American Academy of Forensic Sciences, 2022.

21. Fulp KJ[GS], Gast MM[UG], Harris JA, and **KL Bolhofner*.** Changes in Decompositional Processes in a Desert Environment. Presented at the 90th Annual Meeting of the American Association of Physical Anthropologists, 2021.

20. Fulp KJ[GS], Gast MM[UG], Harris JA, and **KL Bolhofner*.** Decomposition in the Sonoran Desert during the summer. Presented at the 73rd Annual Meeting of the American Academy of Forensic Sciences, 2021.

19. Emery MW, Wissler A[GS], Rawls E[GS], **Bolhofner KL**, Oldt RF[GS], Kanthaswamy S, Buikstra JE, Fulginiti L, and AC Stone. Maximum DNA Recovery from Cold Case Victims using Ancient and Forensic DNA Extraction Methods. Presented at the 73rd Annual Meeting of the American Academy of Forensic Sciences, 2021.

18. Fulginiti LC, Seidel AC, and **KL Bolhofner**. Fusion and Fracture: Forensic Implications of the Hyoid Bone. Presented at the 73rd Annual Meeting of the American Academy of Forensic Sciences, 2021.

17. Emery, MV, **Bolhofner, KL*,** Winingear, S[UG], Oldt, RF[GS], Kanthaswamy, S, Buikstra, JE, Fulginiti, LC, and AC Stone. Quantitative Ancient and Forensic DNA Techniques for Maximum DNA Recovery From Thermally Altered Bones and Teeth. Presented at the 72nd Annual Meeting of the American Academy of Forensic Sciences, Anaheim, California, 2020.

16. Fulginiti, LC, Martin, DG, **Bolhofner, KL**, DesPortes, BL, Hartnett-McCann, K, Larish, K, and AC Seidel. "All Rise": Successfully Navigating the Judicial System as an Expert Witness. Workshop presented at the 72nd Annual Meeting of the American Academy of Forensic Sciences, Anaheim, California, 2020.

15. Emery, MV, **Bolhofner, KL**, Winingear, S[UG], Oldt, RF[GS], Kanthaswamy, S, Buikstra, JE, Fulginiti, LC, and AC Stone. Characterizing DNA Degradation in Severely Burned Human Skeletal Remains using STR Genotyping and NGS Targeted Capture Techniques. Presented at the 89th Annual Meeting of the American Association of Physical Anthropologists, Los Angeles, California, 2020.

14. **Bolhofner, KL** and BJ Baker. Pulling teeth: Dental avulsion at Kulubnarti, Sudan, in regional context. Presented at the 88th Annual Meeting of the American Association of Physical Anthropologists, Cleveland, Ohio, 2019.

13. Ptacek, A[GS], Baker, BJ, and **KL Bolhofner.** Transmigration of impacted mandibular canines in ancient Nubia. Presented at the 88th Annual Meeting of the American Association of Physical Anthropologists, Cleveland, Ohio, 2019.

12. Emery, MV, **Bolhofner, KL,** Buikstra, JE, Fulginiti, LC, and AC Stone. Comparison of Forensic and Ancient DNA Extraction Methods for Recovering DNA from Burned Bone. Poster presentation at the International Society for Applied Biological Sciences (ISAB), Split, Croatia, 2019.

11. Emery, MV, **Bolhofner KL*,** Buikstra, JE, Fulginiti, LC, and AC Stone. Dining with DNA: Extracting Usable Profiles From Burned Bone. Presented at the 71st Annual Meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, 2019.

10. **Bolhofner, KL**, Emery, MV, Buikstra, JE, Fulginiti, LC, and AC Stone. Best practice procedures for sampling differentially burned bone for successful DNA recovery. Presented at the 71st Annual Meeting of the American Academy of Forensic Sciences, Baltimore, Maryland, 2019.

9. **Bolhofner, KL,** and BJ Baker. New Evidence for Dental Avulsion in Medieval Nubia. Presented at the 14th International Conference for Nubian Studies, Paris, France,

2018.

8. **Bolhofner, KL,** Fulginiti, LC and JE Buikstra. Toward a skeletal atlas of elder abuse: A pilot study of fracture patterns in documented cases. Presented at the 70th Annual Meeting of the American Academy of Forensic Sciences, Seattle, Washington, 2018.

7. **Bolhofner, KL** and LC Fulginiti. Sex-specific patterns of ossification in macerated thyroid cartilages. Presented at the 86th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, Louisiana, 2017.

6. Fulginiti, L, Piakis, J, and **KL Bolhofner**. When the hammer falls: Patterned injury comparison in a blunt force homicide. Presented at the 69th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, Louisiana, 2017.

5. **Bolhofner, KL** and LC Fulginiti. Patterns of ossification in macerated thyroid cartilages: Implications for age and sex estimation. Presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, Georgia, 2016.

4. **Bolhofner, KL** and BJ Baker. Dental ablation in Ancient Nubia. Presented at the 13th International Conference for Nubian Studies, Neuchatel, Switzerland, 2014.

3. **Bolhofner, KL** and BJ Baker. Dental Ablation in Ancient Nubia: Evulsion at the Ginefab School Site. Presented at the 80th Annual Meeting of the American Association of Physical Anthropologists, Portland, Oregon, 2012.

2. BJ Baker and **Bolhofner, KL**. The First Evidence of Leprosy in Cyprus. Presented at the 39th Annual Meeting of the Paleopathology Association, Portland, Oregon, 2012.

1. **Bolhofner, KL.** *The Particulate Size of Cremated Remains*. Presented at the 79th Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, New Mexico, 2010.

HONORS AND AWARDS

2025 College Marshal, New College ASU

2024-2025 Award for Leadership Excellence, New College, ASU

2024-2025 Award for Online Teaching Excellence, New College, ASU

2024 SUN (Serving University Needs) Awards, ASU

2023 Professor of Impact Awards, ASU

2021 SUN (Serving University Needs) Awards, ASU

2020 SUN (Serving University Needs) Awards, ASU

2016 College of Liberal Arts and Sciences Student Leadership Award, ASU

2015 Donald H. Morris Award for Outstanding Doctoral Student, ASU

2014-2015 Teaching Associate Excellence Award, SHESC, ASU

2014-2015 Graduate Research Support Program Grant, SHESC, ASU

2014 School of Human Evolution and Social Change Conference Travel Grant, ASU

2013 Association of All Graduate Students Conference Travel Grant, ASU

2012 Graduate Research Scholarship Travel Award, SHESC, ASU

2012 Graduate and Professional Student Association Conference Travel Grant, ASU

2009-2014 Doctoral Recruiting Fellowship, SHESC, ASU

2008 Grant for Undergraduate Research, University Scholars Program, UF

2008 Wentworth Travel Scholarship for Undergraduate Research, UF

2007 Anderson Scholar of High Distinction, UF

2007 President's Honor Roll, University of Florida Dean's List, UF

RELATED WORK/RESEARCH EXPERIENCE

Forensic Anthropology Intern 08/2014-05/2017

Dr. Laura C. Fulginiti, Maricopa County Office of the Medical Examiner

Laboratory Technician and Research Collaborator 2013-2014

*Neolithic Communities in Iberi*a, Archaeological Chemistry Laboratory, ASU

Participant, Excavation of La Ciutat Romana de Pollèntia, Alcudia, Mallorca 2010-2011

Volunteer, Osteology Lab of Brenda Baker, Ph.D., SHESC, ASU 2010

Intern, Office of the Medical Examiner, District 8, Gainesville, Florida 2008

Undergraduate Scholar, The University Scholars Program, University of Florida 2008

Research Assistant, Arizona State University 08/2016-04/2017

DNA from Burned Bone, NIJ Grant 2016-DN-BX-0158

Teaching Associate, Arizona State University 08/2010-05/2017

ASB102: Culture in a Globalizing World

ASM104: Bones, Stones, and Human Evolution

ASB300: Food and Culture

ASB301: The Global History of Health

ASM341: Human Osteology

ASB394: The Ethics of Eating

Course Development, ASU Online 08/2012-05/2017

ASB300: Food and Culture

ASM345: Disease and Human Evolution

ASB380: Language, Gender, and Culture

ASB394: Ethics of Eating

Instructor of Record, Arizona State University Summer C sessions, 2012-2015

ASM345: Disease and Human Evolution, ASU Online

Teaching Assistant, EdX at ASU Fall B Session 2015

ASM246: Human Origins

Program Assistant, ASU Study Abroad: Australia, Culture and Health 05/2017

Program Assistant, ASU Study Abroad: Australia, Culture and Health 05/2016

Program Assistant, ASU Study Abroad: Paris, Food and Culture 07/2015

Program Assistant, ASU Study Abroad: London, A World in One City 06/2014

Bioarchaeology Laboratory Technician, 4th Cataract Archaeological Project, Sudan Spring 2011

SELECT COMMUNITY OUTREACH & TRAINING

Mentor, Cactus High School MET Academy, Forensic Science 2022-Present

Board Member, Cactus High School Cybersecurity,
Robotics and Crime Scene Investigation Advisory Board 2020-Present

Volunteer Scientist, *SkypeaScientist.com* 2020-Present

Assistant to Dr. Laura C. Fulginiti, *Buried Bodies School*, Prescott, Arizona 2015-Present

Guest Lecturer, SOC 353 Death & Dying in Cross-Cultural Perspective 11/2021

Guest Lecturer, DVHS Forensic Science Club 02/2021, 09/2021

Guest Lecturer, Castro Middle School CSI Club 02/2021

Invited Participant, NSF-Sponsored *Future of Bioarchaeology* Conference, ASU 03/2020

Panelist, *Missing in Arizona Day*, Phoenix, Arizona 2016, 2017

Guest Lecturer, *Forensic Anthropology*, Glendale Community College 11/2017

Guest Lecturer, *Forensic Anthropology*, Scottsdale Community College 02/2017

Guest Lecturer, *Forensic Anthropology*, Glendale Community College 04/2016

Design Team Member and Content Consultant, *Speaking for the Dead*, 2015
ASU Museum of Anthropology

Volunteer, *Night of the Open Door* Public Outreach, SHESC, ASU 2014

PROFESSIONAL SERVICE

Senator, Faculty Senate, Arizona State University 2023-2026

Graduate College Faculty Review Committee, ASU 2023-Present

President, AAGS, SHESC, Arizona State University 08/2013-05/2014

Secretary, AAGS, SHESC, Arizona State University 08/2011-05/2013

Secretary, Lambda Alpha National Collegiate Anthropology Honors Society 08/2007-12/2008

PROFESSIONAL ASSOCIATIONS

Fellow, American Academy of Forensic Sciences

Diplomate, American Board of Forensic Anthropology

American Association of Biological Anthropologists

Paleopathology Association

International Society for Nubian Studies

The Phi Beta Kappa Society