

Curriculum Vitae
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1 November 2018

Academic Training:

3/1997 Ph.D. University of Chicago, Chicago, IL; Anthropology
6/1993 M.A. University of Chicago, Chicago, IL; Anthropology
5/1987 B.A. Cornell University, Ithaca, NY; Distinction in All Subjects, Archaeology and Anthropology

Additional Training:

5/2011-8/2011 Council of American Overseas Research Centers (CAORC) Senior Fellowship, American Center of Oriental Research (ACOR), Amman, Jordan
9/1999-6/2001 Oak Ridge Institute for Science and Education (ORISE) Postdoctoral Fellow, Central Identification Laboratory (CIL), HI

Academic Appointments:

7/2018-present Affiliated Faculty, Archaeology Program, Department of Anthropology, Boston University, Boston, MA
3/2017-present Associate Professor, Boston University School of Medicine, Boston, MA
8/2011-3/2017 Assistant Professor, Boston University School of Medicine, Boston, MA
10/2010 Visiting Lecturer, Department of Anthropology, University of Victoria, BC, Canada
9/2008-5/2011 Lecturer, CIL Forensic Sciences Academy, Hickam AFB, HI
9/2006-12/2006 Lecturer, University of Hawaii, Leeward Community College, Pearl City, HI
8/2005-9/2005 Lecturer, Chaminade University, Honolulu, HI
6/2003 Lecturer, Chaminade University, Honolulu, HI
9/1998-present Research Associate, Division of Mammals, Field Museum, Chicago, IL
10/1994-6/1997 Instructor/Teaching Assistant, University of Chicago, Chicago, IL
7/1994-7/1997 Instructor, Instituto para Investigaciones Prehistóricas, Santander, Spain

Other Appointments or Employment:

11/2011-present Forensic Anthropologist, Office of the Chief Medical Examiner, Commonwealth of Massachusetts, Boston, MA
• <http://www.mass.gov/eopss/agencies/ocme/>
12/2004-7/2011 Laboratory Manager, Central Identification Laboratory, Joint Base Hickam-Pearl Harbor, HI
6/2001-12/2004 Forensic Anthropologist, Central Identification Laboratory, Joint Base Hickam-Pearl Harbor, HI

Honors:

7/2011 Department of Defense Joint Civilian Service Commendation Award for service at JPAC

12/2004	Department of Defense Joint Civilian Service Achievement Award for field service in Iraq
12/2004	Department of the Navy, Meritorious Civilian Service Award for field service in Iraq
12/2004	Department of the Navy Arctic Service Ribbon for field service in Greenland
10/1990-6/1994	University of Chicago Century Scholarship
5/1987	Graduated Cornell University with Distinction in All Subjects
12/1985-5/1987	Cornell University Dean's List
8/1985-5/1987	Cornell Tradition Academic Fellow

Licenses and Certifications:

7/2003	Diplomate (No. 68) , American Board of Forensic Anthropology (ABFA) <ul style="list-style-type: none">• http://www.theabfa.org/• The ABFA is the highest certifying body for forensic anthropology• Fewer than eighty practicing forensic anthropologists currently hold this certification• Career goal for all forensic anthropology Ph.D. graduates• Boston University is one of a few anthropology programs that has a Board-certified forensic anthropologist on its faculty
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Departmental and University Committees:

11/2011-11/2013	GMS 4+1 Advisory Committee, Boston University, MA
8/2011-present	Forensic Anthropology Graduate Student Committee, Boston University, MA

Teaching Experience and Responsibilities:

Boston University School of Medicine

8/2011-present	Assistant Professor, M.S. program in Forensic Anthropology <ul style="list-style-type: none">• M.S. thesis supervision• Course Director of seven courses (four laboratory, one lecture, one seminar); created or completely revised the following courses:<ul style="list-style-type: none">Introduction to Forensic Anthropology (FA 701) (created)Zooarchaeology (FA 703) (created)Professional Skills and Thesis Research Development (FA 740) (revised)Field Methods in Forensic Anthropology (FA 800) (revised)Applied Forensic Anthropology (FA 802) (revised)Taphonomy (FA 807) (created)Mortuary Archaeology (FA 810) (created)
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Central Identification Laboratory, Joint Base Hickam-Pearl Harbor, Hawaii

9/2008-5/2011	Lecturer , Forensic Sciences Academy; trained academy fellows in taphonomy and soil analysis
11/2004-8/2011	Internal training in report writing and peer-review to scientific staff and interns

University of Victoria, British Columbia

9/2010	Lecturer, "Bones" and Bones: Forensic Science Fiction and Fact (Anthropology 394-A02); two-week intensive full-credit laboratory course with additional public lectures
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University of Hawaii – West Oahu/Leeward Community College, Hawaii

8/2006-12/2006	Lecturer, Human Skeletal Biology (Anthropology 297/297L)
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- Developed the forensic anthropological portion of their Certificate in Applied Forensic Anthropology program

Chaminade University, Honolulu, Hawaii

- 8/2005-9/2005 **Lecturer, Forensic Anthropology** (Forensic Science 450)
 6/2003 **Lecturer, Detection and Recovery of Remains** (Forensic Seminar)

University of Chicago, Chicago, Illinois

12/1994-5/1997 Department of Anthropology and Department of Biology. I taught the following courses in the indicated capacities while pursuing M.A./Ph.D. degrees at the University of Chicago:

- **Instructor: Field School in Spanish Prehistory** (Anthropology 266/287/288); Summer 1997, Summer 1996, Summer 1995; taught in conjunction with the Instituto para Investigaciones Prehistóricas, Santander, Cantabria, Spain
- **Teaching Assistant: Approaches to the Past** (Anthropology 462); Autumn 1996
- **Instructor: Building the Past** (Center for Continuing Studies); Summer 1996
- **Teaching Assistant: Biodiversity** (Bioscience 195); Spring 1996, Spring 1994
- **Teaching Assistant: Hunters & Gatherers** (Anthropology 213); Winter 1996
- **Teaching Assistant: Evolution** (Bioscience 107); Autumn 1995
- **Teaching Assistant: Summer Field School in Spanish Prehistory** (Anthropology 266/287/288); Summer 1994
- **Teaching Assistant: Ecology and Evolution of Species Interactions** (Natural Science 106); Spring 1994
- **Co-Instructor: Approaches to the Past** (Anthropology 462); Winter 1994
- **Teaching Assistant: Evolution and the Human Environment** (Natural Science 105); Winter 1994

Major Mentoring Activities:

No.	Period	Student	Degree	Chair	Institution	Thesis Title
1.	9/2018-present	Madeleine Camp	M.S.	Y	Boston University	<i>A Biomechanical Investigation of Torsion and Classic Metaphyseal Lesions</i>
2.	9/2018-present	Kathryn Garner	M.S.	Y	Boston University	<i>The Effects of Thermal Alteration on Three Preservational States of Bone</i>
3.	9/2018-present	Zachary Kurschner	M.S.	Y	Boston University	<i>Comparative Analysis of Gunshot Wounds Resulting from Different Bullet types of the Same Caliber</i>
4.	9/2018-present	Melissa Menschel	M.S.	Y	Boston University	<i>A Metric Analysis of Correlation Between Saw Blade Width and Kerf Width</i>
5.	9/2018-present	Reshma Satish	M.S.	Y	Boston University	<i>Fractography of Fresh vs. Dry Long Bones</i>

No.	Period	Student	Degree	Chair	Institution	Thesis Title
6.	9/2018-present	Sara Soltani	M.S.	Y	Boston University	<i>Correlation Between Frequent Antemortem Degeneration and Economic Status: A Study of the Djub-I Guahar Iron Age III Cemetery, Iran</i>
7.	9/2017-present	Stormy Cassidy	M.S.	Y	Boston University	<i>Analysis of Error in Fragmentary Skeletal Reconstruction</i>
8.	9/2017-present	Elizabeth Church	M.S.	Y	Boston University	<i>Photogrammetry within a Forensic Setting</i>
9.	9/2017-present	Casey File	M.S.	Y	Boston University	<i>A Comparison of Compound Bow and Crossbow Osseous Trauma</i>
10.	9/2017-present	Breanna Peace	M.S.	Y	Boston University	<i>Examination of Hacking and Blunt Force Skeletal Trauma</i>
11.	9/2017-present	Shana Springman	M.S.	Y	Boston University	<i>Recovery Rates of Skeletal Materials from a Burned Vehicle Scenario</i>
12.	9/2017-present	Sally Stark	M.S.	Y	Boston University	<i>Assessing Decomposition of Enclosed Remains in a Lotic Aquatic Environment</i>
13.	9/2017-present	Makala Udoni	M.S.	Y	Boston University	<i>Ursid Tooth Mark Taphonomy</i>
14.	9/2016-present	Kristina Mammano	M.S.	Y	Boston University	<i>Mineral Absorption by Submerged Bone in Marine Environments as a Potential PMSI Indicator</i>
15.	9/2015-present	Christina Young	M.S.	Y	Boston University	<i>An Examination of Chainsaw Toolmarks for Individual Saw Identification and the Effects of Burning</i>
16.	9/2016-present	Carrington Schneider	M.S.	Y	Boston University	<i>Alligator (Alligator mississippiensis) Taphonomy: Analysis of Gnawed and Digested Bone</i>
17.	9/2016-present	Madelyn Green	M.S.	N	Boston University	<i>The Determination of Japanese and Native American Ancestry Using Dental Morphological Trait Comparisons</i>
18.	9/2016-9/2018	Jasmine Mansz	M.S.	Y	Boston University	<i>Hacking Trauma: Determining Tool Class Macroscopically on Bone</i>
19.	9/2016-9/2018	Meredith Patterson	M.S.	N	Boston University	<i>Metric Sex Determination Between Modern Thai and Native American Populations</i>

No.	Period	Student	Degree	Chair	Institution	Thesis Title
20.	9/2017-11/2017	Jennifer Leigh Hughes	Ph.D.	N	University of Otago, New Zealand	<i>Taphonomic Alteration to Juvenile Porcine Bone after Exposure to a Marine Environment</i>
21.	9/2015-1/2018	James Admans	M.S.	N	Boston University	<i>Age Estimation of the Sacral Auricular Surface and Sacral Vertebral Body Fusion</i>
22.	9/2015-1/2018	Lindsey Cadwell	M.S.	Y	Boston University	<i>Macroscopic Observations on the Effects of Corrosive Substances on Bone and Soft Tissue When Subjected to Heating</i>
23.	9/2013-9/2017	Megan Gough	M.S.	Y	Boston University	<i>Experimental Study of White Heat Line Formation in Burned Bone: A Macroscopic and Microscopic Analysis</i>
24.	9/2015-5/2017	Corey Pollock	M.S.	Y	Boston University	<i>Organic Staining on Bone from Exposure to Wood and Other Plant Materials</i>
25.	9/2015-5/2017	Amanda Maki	M.S.	Y	Boston University	<i>The Effects of Standard Household Chemicals Containing Acids on Bone and Soft Tissue of Complete Pig (Sus scrofa) Heads</i>
26.	9/2015-5/2017	Jacqueline Berger	M.S.	Y	Boston University	<i>Reciprocating Saws as Tools of Dismemberment: Analysis of Class Characteristics and Practical Utility</i>
27.	9/2014-1/2017	Patricia Bian	M.S.	Y	Boston University	<i>Population Structure and Migration Patterns of Taiwanese Aborigines</i>
28.	9/2014-1/2017	Meghan Price	M.S.	Y	Boston University	<i>Age Estimation of Older Individuals Using Degenerative Changes of the Medial Clavicle</i>
29.	9/2014-1/2017	Nora Wells	M.S.	Y	Boston University	<i>The Impact of Cognitive Bias in Skull Sexing</i>
30.	9/2013-9/2015	Elizabeth Lednicky	M.S.	Y	Boston University	<i>The Effect of Rainfall on Blowfly (Calliphoridae) Activity and Decomposition in Recently Deposited Carcasses</i>
31.	9/2012-5/2015	Aisling Kearns	M.S.	N	Boston University	<i>A Validation Study of a Metric Method for Determining Sex Using the Clavicle, Humerus, Radius and Ulna</i>
32.	9/2013-5/2015	Donovan Adams	M.S.	Y	Boston University	<i>Odontometric Differentiation Between Southwest Hispanics, Native Americans, and European Americans: A Biodistance Analysis</i>

No.	Period	Student	Degree	Chair	Institution	Thesis Title
33.	9/2012-5/2015	Jennifer Pendray	M.S.	N	Boston University	<i>Differentiation and Reconstruction of Thermal and Blunt Force Trauma</i>
34.	9/2012-1/2015	Alyssa Newcomb	M.S.	Y	Boston University	<i>Observations of the Impacts of Mechanical Plowing on Buried Remains in Forensic and Archaeological Contexts</i>
35.	9/2012-1/2015	Jasmine Cloven	M.S.	Y	Boston University	<i>Validation Study of the Proposed Seventh Phase of the Suchey-Brooks Age Estimation Method for the Pubic Symphysis</i>
36.	9/2012-9/2014	Kimberly McCraw	M.S.	Y	Boston University	<i>Bone Preservation Over Time in an Archeological Burial Assemblage</i>
37.	9/2012-9/2014	M. Julia Garcia De Leon Valenzuela	M.S.	N	Boston University	<i>3D Imaging Technology in Forensic Anthropology: Assessing the Validity of Basic Biological Profiles Derived from 3D Images of the Skeleton</i>
38.	9/2012-9/2014	Jordan Brouchoud	M.S.	N	Boston University	<i>The Effects of Thermal Alteration on Saw Mark Characteristics</i>
39.	9/2011-9/2014	Gina Gentiluomo	M.S.	Y	Boston University	<i>The Reproducibility of Incomplete Skulls Using Freeform Modeling Plus Software</i>
40.	7/2013-6/2014	Natalie Keough	Ph.D.	N	University of Pretoria, South Africa	<i>Skeletal Changes after Post-mortem Exposure to Fire as an Indicator of Decompositional Stage</i>
41.	9/2012-5/2014	Stephen Shapero	M.S.	N	Boston University	<i>A Validation Study of the Newly Developed Calce Method for Determining Age-at-Death Using the Acetabulum</i>
42.	9/2012-5/2014	Gregory Moore	M.S.	N	Boston University	<i>Correlation between Chainsaw Type and Tool Marks in Sectioned Bone</i>
43.	9/2011-1/2014	Ashley Brennaman	M.S.	Y	Boston University	<i>Examination of Osteoarthritis for Age-at-Death Estimation in a Modern Population</i>
44.	9/2011-9/2013	Jackie Rector	M.S.	Y	Boston University	<i>Sex Estimation Method Using Cervical Canine Diameters: A Validation Study</i>
45.	9/2011-5/2013	Ariel Peterson	M.S.	Y	Boston University	<i>Modification and Dispersal of Bones in a Multi-Scavenger Environment</i>

No.	Period	Student	Degree	Chair	Institution	Thesis Title
46.	9/2011-5/2013	Marcelle LaCroix	M.S.	Y	Boston University	<i>A Study of the Impact of Weathering upon the Minimal Force Required to Fracture Bone</i>
47	9/2011-5/2013	Christine Junod	M.S.	Y	Boston University	<i>Subaerial Bone Weathering and Other Taphonomic Changes in a Temperate Climate</i>
48.	9/2011-5/2013	Darryl Ricketts	M.S.	Y	Boston University	<i>Scavenging Effects and Scattering Patterns on Porcine Carcasses in Eastern Massachusetts</i>
49.	9/2011-9/2012	Lauren Westling	M.S.	Y	Boston University	<i>Underwater Decomposition: An Examination of Factors Surrounding Freshwater Decomposition in Eastern Massachusetts</i>
50.	9/2011-9/2012	Christina Lomba	M.S.	Y	Boston University	<i>Use of Computed Tomography in Conjunction with X-Rays for Positive Identification of Individuals Using the Frontal Sinus</i>
51.	9/2011-9/2012	Amelia Boaks	M.S.	Y	Boston University	<i>Collagen Degradation in Cadaveric Bone as a Function of Time</i>
52.	9/2011-5/2012	Kerry Pine	M.S.	Y	Boston University	<i>Decomposition Sequence in the Forest Environment of the Pacific Northwest</i>
53.	7/2010-5/2012	Roselyn Campbell	M.A.	N	University of Montana	<i>Forgotten Sepulchers: The Uninscribed Tombs in the Valley of the Kings in Luxor, Egypt</i>

Major Administrative Responsibilities:

11/2004-8/2011 **Laboratory Manager**, Joint POW/MIA Accounting Command (JPAC), Central Identification Laboratory (CIL), Oahu, HI

- The CIL is the first and largest forensic anthropology laboratory to become certified by the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB), including International standards under ISO/IEC 17025:2005.
- Supervised all forensic anthropological, forensic archaeological, training, mission planning, administration, and research operations with other managerial colleagues.
- Directly supervised the staff Technicians, including training in all laboratory operations and qualifications and all research projects at the MA or higher level.
- Devised editorial policy, resolving inconsistencies, arbitrating between authors and reviewers/consultants, and managing all new editorial situations as they arose.
- Trained all scientific staff members in CIL report writing procedures and completed initial review of their drafts.

- Coordinated all reports for submission to external scientific consultants for their review and incorporated their review comments into the bodies of the reports.
- Conducted the final review of every scientific report produced by the scientific staff after their internal peer review and before their external consultant review, approximately 500 reports annually.
- Maintained complete editorial oversight of all historical background reports generated by the Historical Section (J-2) for inclusion in identification case packets.

Archaeological Field Experience:

- 11/2011-present **Forensic Anthropologist**, Commonwealth of Massachusetts; responsible for all forensic archaeological excavations and surface recoveries of osseous remains and for coordination of field operations with the Massachusetts Historical Commission. This has included 40 sites, with types including burned automobiles, exhumations, mausoleums, clandestine burials, historical burials, house searches, and surface remains.
- 5/2007-present **Project Co-Director**, Paleolithic archaeological research in northern Jordan, Azraq Marshes Archaeological and Paleoecological Project (AMAPP).
- Co-directed excavation of multiple sites, including a Bronze Age cave, a natural faunal trap limestone sinkhole, and seven open-air sites spanning Acheulean to Epipaleolithic (250,000 BP to 18,000 BP) occupations along former oasis margins.
 - Analyzed all osseous remains and directed all total station mapping and data manipulation.
 - Trained multiple students in all aspects of archaeological field operations.
 - <http://www.amapp.org/>
- 6/2010-6/2012 **Project Collaborator**, Excavations at Tell Timai, Nile Delta, Egypt; urban archaeology from Pharaonic Egyptian through Muslim phases; Project Osteologist (biological anthropology and vertebrate/invertebrate zooarchaeology) in conjunction with Dr. Jay Silverstein, JPAC, and Dr. Robert Littman, University of Hawaii – Manoa.
- Excavation, mapping, and supervision/training.
 - The research includes Egyptian, Hellenistic, Roman, Byzantine, and Muslim phases over approximately 1200 years of occupation and explores issues of changing burial patterns and urban usage, environmental impact, social stratification, dietary practices, and ritual use of animals among these changing and co-habiting human populations.
- 8/1999-3/2011 **Recovery Leader/Anthropologist**, Joint POW/MIA Accounting Command (JPAC), Central Identification Laboratory (CIL)
- Directed recovery of 34 military forensic recovery sites in Hawaii, Vietnam, Cambodia, Papua New Guinea, Vanuatu, North Korea, South Korea, Burma, Tibet, China, Iraq, and Greenland over the course of 28 missions.
 - Sites included single burials, mass burials, propeller aircraft crashes, jet aircraft crashes, and surface remains; the environments included cliff faces necessitating technical climbing, tropical rainforest, urban settings, a Himalayan site at 16,000 feet, a glacier; and the conflicts included WWII, the Korean War, the Vietnam War, the Cold War, and the First Gulf War.
 - Investigated for future excavation an additional 26 sites in multiple countries.
 - Excavated and/or field evaluated 10 forensic consultation sites in Hawaii for local law enforcement, other government agencies, or private archaeological firms.

- Attending Anthropologist at 7 exhumations at the National Memorial Cemetery of the Pacific (Punchbowl), Oahu, HI.
- Comprised the U.S. scientific contingent in 16 international Joint Forensic Reviews with scientists and officials from foreign governments to determine the eventual disposition of possible U.S. servicemember remains (5 in North Korea, 7 in Vietnam, 2 in Burma, and 2 in South Korea), and 13 Field Forensic Reviews (Vietnam).
- Supervising Anthropologist remotely monitoring 3 unilateral forensic excavations by the Vietnamese government.

7/1999-9/1999 **Project Co-Director**, taphonomic research in Kenya; Field Museum, Chicago.

- Excavated one spotted hyena (*Crocuta crocuta*) cave denning site, eight spotted hyena burrow denning sites, and one striped hyena (*Hyaena hyaena*) and African porcupine (*Hystrix africaeaustralis*) cave denning site in Masai Mara and Hell's Gate national parks, Kenya.
- Analyzed all osseous remains recovered at the Nairobi National Museum, Department of Osteology.

5/1999-7/1999 **Project Co-Director and Zooarchaeology Director**, archaeological excavations in Icla, Bolivia.

- Excavated at two Tiwanaku sites, including secondary burials and household architecture, and one Archaic site.
- Directed all faunal recovery and analysis, collected faunal remains from modern predator accumulations, and collected specimens from the small mammal community.

8/1993-8/1997 **Co-Director**, archaeological excavations and Paleolithic field school at El Juyo, Santander, Spain (University of Chicago and Instituto para Investigaciones Prehistóricas).

- This research covered the excavation of a Cantabrian Lower Magdalenian cave site on the north coast of Spain, dated ca. 14,000 B.P.
- Duties at this archaeological field school included field and classroom instruction of undergraduate and graduate students in faunal analysis, lithic analysis, archaeological excavation methods, paleoecology, field laboratory processing, chemical analyses, data recording and management, and Paleolithic art.
- Direction of all microfaunal recovery and analysis; ecological analysis including specimen collection and processing of the northern Spanish/Cantabrian Mountains small mammal community; collection of faunal remains from modern predator accumulations.
- Illustration of artifacts; management of field school funds; equipment purchasing and repair; cataloging of all artifacts and osseous remains; planning of future field school seasons and student screening/recruitment.

6/1993-7/1993 **Excavator**, two Acheulean (approximately 350,000 B.P.) sites in northeast France, Cagny L'Épinette and Cagny La Garenne; University of Pennsylvania; directed by Harold Dibble and Phillip Chase.

7/1991-8/1992 **Field Supervisor**, archaeological excavations and Paleolithic field school at El Juyo, Santander, Spain (University of Chicago and Instituto para Investigaciones Prehistóricas).

Current Research

- 6/2015-present Taphonomy, Rising Star site, **South Africa**: taphonomic analysis of the fossils of *Homo naledi* from the cave site of Rising Star, South Africa, in conjunction with Dr. Lee Berger and of the University of Witwatersrand, South Africa, and Dr. Patrick Randolph-Quinney, University of Central Lancashire, UK
- 4/2013-present Taphonomy, Malapa site, **South Africa**: taphonomic analysis of the fossils of *Australopithecus sediba* from the cave site of Malapa, South Africa, in conjunction with Dr. Lee Berger and Dr. Patrick Randolph-Quinney of the University of Witwatersrand, South Africa; Dr. Ericka L'Abbé, University of Pretoria, South Africa; and Steven Symes, Mercyhurst University, PA, U.S.A.
- The research includes modern taphonomic experiments and observations in the surrounding karst terrain within the veldt ecosystem, including predator/scavenger behavior, termite interactions with bone, bone weathering, and faunal trap osseous accumulation mechanisms.
- 7/2012-present Physical anthropology of juvenile remains from Tiwanaku sites in Moquegua, **Peru**, in conjunction with Dr. Deborah Blom, University of Vermont.
- This research examines the timing of dental eruption and epiphyseal fusion to weaning age.
- 5/2007-present Physical anthropology, zooarchaeology, and taphonomy, Lower, Middle, and Upper Paleolithic of **Jordan**; analysis of all hominid, microfaunal, and megafaunal remains from open-air and cave sites near the Dead Sea and Azraq oasis and a large natural faunal trap limestone sinkhole with accumulations from recent through Middle Pleistocene age.

Other Professional Activities:

Professional Societies: Memberships, Offices, and Committee Assignments:

International

- 2/2015-present Member, International Association for Identification
7/2011-present Member, Paleoanthropology Society
8/1998-present Member, Society for Archaeological Sciences
7/1998-present Member, International Council for Archaeozoology

National

- 7/2017-present Vice President, American Board of Forensic Anthropology
7/2014-present Board of Directors, American Board of Forensic Anthropology
1/2012-12/2017 Member, Society of Forensic Anthropologists
2/2007-present Fellow, American Academy of Forensic Sciences
7/2003-present Diplomate, American Board of Forensic Anthropology
2/2002-2/2007 Member, American Academy of Forensic Sciences
3/1998-1/2017 Member, Raptor Research Society
1/1998-present Member, American Society of Mammalogists

Major Committee Assignments:

Federal Government:

7/2009-12/2012 Committee Member, Scientific Working Group for Anthropology

National Organizations:

6/2016-7/2017 Academy Standards Board, Wildlife Consensus Body, American Academy of Forensic Sciences
6/2017-present Chair, Board Examination Grading Committee, American Board of Forensic Anthropology
6/2017-present Chair, Board Examination Question Committee, American Board of Forensic Anthropology
2/2017-present Chair, By-Laws Review Committee, American Board of Forensic Anthropology
3/2016-3/2017 Abstract Review Committee, American Academy of Forensic Sciences, Physical Anthropology Section
2/2015-present Forensic Specialties Accreditation Board Compliance Committee, American Board of Forensic Anthropology
2/2015-2/2017 By-Laws Review Committee, American Board of Forensic Anthropology
6/2014-present Ethics Committee, American Board of Forensic Anthropology
2/2015-6/2017 Chair, Board Examination Validation Committee, American Board of Forensic Anthropology
7/2013-2/2015 Board Examination Validation Committee, American Board of Forensic Anthropology

Forensic Anthropology Expert Witness Courtroom Testimony:

27 September 2018 Commonwealth of Massachusetts vs. James Feeney and Scott Morrison, homicide; full skeletal analysis and field recovery
10 May 2018 Commonwealth of Massachusetts vs. Carlos Colina; homicide with dismemberment
28 March 2018 Commonwealth of Massachusetts v. Michael Dowjat; homicide with dismemberment
12 May 2015 Commonwealth of Massachusetts v. Quozel L. Wilson; homicide plus fetal skeleton; full skeletal analysis and field recovery
17 September 2014 Commonwealth of Massachusetts v. Caius Veiovis; triple homicide with dismemberment; trauma analysis
6 May 2014 Commonwealth of Massachusetts v. David Chalue; triple homicide with dismemberment; trauma analysis
24 January 2014 Commonwealth of Massachusetts v. Adam Hall; triple homicide with dismemberment; trauma analysis

Editorial Boards:

2/2018-present *Journal of Forensic Sciences*
2/2017-present *Forensic Anthropology*
2/2015-present *Journal of Forensic Identification*
10/2012-7/2017 *Journal of Forensic Toxicology & Pharmacology*

Ad Hoc Peer Reviewer:

9/2018-present *Journal of Human Evolution*
8/2018-present *Journal of Archaeological Science: Reports*
1/2017-present *Forensic Anthropology*
6/2017-present *Historical Biology*
9/2016-present *Journal of Forensic Sciences*
7/2016-present *Homo: Journal of Comparative Human Biology*

12/2015-present	<i>(Nature) Scientific Reports</i>
2/2015-present	<i>Journal of Forensic Identification</i>
10/2014-present	<i>PLoS One</i>
3/2014-present	<i>Journal of Archaeological Science</i>
3/2014-present	<i>Journal of Taphonomy</i>
1/2013-present	<i>Journal of Forensic Toxicology & Pharmacology</i>
6/2012-present	<i>International Journal of Osteoarchaeology</i>
9/2008-present	<i>Quaternary Research</i>

Popular Media:

- Appearance in *NOVA* episode “Cold Case: JFK”, directed by Mr. Rushmore DeNooyer.
 - <http://www.pbs.org/wgbh/nova/tech/cold-case-jfk.html>
 - Team 3D reconstruction of fragments of President Kennedy’s cranium and analysis of ballistic trauma.
 - Initial air date 13 November 2013, PBS.
- 50+ interviews by print, radio, television, and documentary film reporters about forensic anthropological activities.
 - Outlets have included local Hawaiian television news channels; multiple national and international newspapers; *Forensic Magazine*; *Veterans’ Administration Magazine*; *Smithsonian*; *GQ Magazine*; South Korean television news; Victoria, BC Canada radio; the *Jordan Times*; and CNN Asia.

Other Support:

5/2012-6/2016	PI: A. Nowell, Social Science and Humanities Research Council of Canada (SSHRC) Standard Research Grant; <i>The Druze Marsh Paleolithic Project: An Archaeological and Paleoecological Study of a Desert Oasis in NW Jordan</i> [\$71,511 Canadian/year]. <ul style="list-style-type: none">• Ongoing excavations at the oldest sites in the region, yielding Acheulean (Lower Stone Age) tools in association with extinct fauna including elephant, rhinoceros, and camel species.• Training in Paleolithic archaeology for U.S. and international students.• Second major grant for this project.
5/2011-8/2011	Council of American Overseas Research Centers Senior Fellowship, American Center of Oriental Research (ACOR), Amman, PI: J. T. Pokines, <i>Paleoecology and Taphonomy of Wadi Zarqa Ma’in I, a Natural Faunal Trap Sinkhole Site Near Madaba, Hashemite Kingdom of Jordan</i> , \$21,600. <ul style="list-style-type: none">• First excavations at a large sinkhole site recording changes in paleoenvironment by sedimentation and small faunal accumulations.• Presented results through international publications and conferences.
6/2010-7/2010	PI: J. T. Pokines, Central Identification Laboratory Research Support Award, osteological and taphonomic research at Tell Timai, Egypt, \$4,300.
5/2009-6/2009	PI: J. T. Pokines, Central Identification Laboratory Research Support Award, osteological and taphonomic research in the Paleolithic of Jordan, \$8,700.
6/2008-7/2008	PI: J. T. Pokines, Central Identification Laboratory Research Support Award, osteological and taphonomic research in the Paleolithic of Jordan, \$7,300.
5/2007-6/2007	PI: J. T. Pokines, Central Identification Laboratory Research Support Award, osteological and taphonomic research in the Paleolithic of Jordan, \$3,200.
7/2007	PI: J. T. Pokines, Central Identification Laboratory Research Support Award, zooarchaeological and taphonomic research of Tiwanaku sites in Bolivia, \$3,100.

- 2006-2009 PI: A. Nowell, Social Science and Humanities Research Council of Canada (SSHRC) Standard Research Grant; *Neandertal Lifeways: An Archaeological Investigation from the Edge of the Jordanian Plateau to the Dead Sea*, \$52,000/year [Canadian].
- 7/2005 PI: J. T. Pokines, Central Identification Laboratory Research Support Award, zooarchaeological and taphonomic research of Tiwanaku sites in Bolivia, \$2,100.
- 7/2002 PI: J. T. Pokines, Central Identification Laboratory Research Support Award, zooarchaeological and taphonomic research of Tiwanaku sites in Bolivia, \$2,400.
- 9/1999-6/2001 PI: J. T. Pokines, Oak Ridge Institute for Science and Education (ORISE) Postdoctoral Fellowship; \$64,000/year.
- First recipient of this fellowship; program has run to the present.
 - Trained in forensic anthropology at the Central Identification Laboratory, Hawaii.
 - Later hired as U.S. government employee at the same location.
 - Went on to mentor incoming fellows in the same program.
- 6/1999-8/1999 PI: J. T. Pokines, Curtis T. & Mary G. Brennan Foundation, Archaeological Field Research in the Development of Early Civilizations Grant, \$4,260.
- 7/1994-5/1995 PI: J. T. Pokines, National Science Foundation Dissertation Improvement Grant, SBR-9408920, \$11,573.
- 7/1994 PI: J. T. Pokines, Field Museum, Division of Mammalogy Research Grant, \$300.
- 7/1992 PI: J. T. Pokines, Instituto para Investigaciones Prehistóricas; special arts grant, \$2,000.
- 7/1991 PI: J. T. Pokines, University of Chicago Special Research Stipend, \$2,500.
- 10/1992-3/1994 PI: J. T. Pokines, Montgomery GI Bill, \$3600.
- 10/1994-6/1995 PI: J. T. Pokines, University of Chicago Unendowed Stipend, \$4,000.
- 10/1990-6/1994 PI: J. T. Pokines, University of Chicago Century Scholarship, \$16,275/year.
- 8/1985-5/1987 PI: J. T. Pokines, Cornell Tradition Academic Fellow, \$2,500/year.

Invited Presentations:

International

1. 24 February 2016 **Pokines, J. T.**, Presentation to International Registry of Taphonomy, 68th Annual Meeting of the American Academy of Forensic Sciences, 20-27 February 2016, Las Vegas, NV.
2. 7 August 2011 **Pokines, J. T.**, Since I fell for you: Excavations at Wadi Zarqa Ma'in 1, a limestone sinkhole faunal trap. Paper presented at the American Center of Oriental Research, Fellowship Series, Amman, Jordan.
3. 10 July 2011 **Pokines, J. T.**, C. Ames, and L. Ababneh, Recent test excavations at Wadi Zarqa Ma'in 1, a limestone sinkhole faunal trap. Paper presented at the Madaba Regional Conference, Madaba, Jordan.
4. 7-24 September 2009 **Pokines, J. T.**, Forensic anthropology and archaeology lecture series, Ministry of National Defense's Agency for Killed in Action, Recovery, and Identification (MAKRI), Seoul, R.O.K.

National

5. 5 October 2018 **Pokines, J. T.**, Forensic analysis of *Australopithecus sediba* remains from Malapa, South Africa. Invited speaker, University of Cincinnati, Department of Geology seminar series.

6. 8 April 2000 **Pokines, J. T.**, Casting a finer net: Faunal analysis in the Cantabrian Spanish Upper Paleolithic. Paper presented at the 65th Annual Meeting of the Society for American Archaeology, Philadelphia, PA. Symposium commemorating the career of Dr. Leslie G. Freeman.

Regional

7. 21 March 2017 **Pokines, J. T.**, Forensic paleoanthropology and the site of Malapa, South Africa. Invited speaker, Boston University Alumni Association, Lecture Series.
8. 27 April 2016 **Pokines, J. T.**, Forensic analysis of *Australopithecus sediba* remains from Malapa, South Africa. Invited speaker, Boston University, Department of Archaeology, Lecture Series.
9. 9 March 2016 **Pokines, J. T.**, Invited speaker, Massachusetts Fire Fighters and Paramedics, forensic training session, West Bridgewater, MA.
10. 16 May 2012 **Pokines, J. T.**, Invited speaker, 5th Annual Forensic Sciences Conference, Boston University School of Medicine, hosted by Emmanuel College, Boston, MA.
11. 7 October 2010 **Pokines, J. T.**, Preliminary Zooarchaeological and Taphonomic Investigations at Wadi Zarqa Ma'in-1, a Natural Faunal Trap Site near Madaba, Jordan; University of Hawaii Anthropology Department colloquium, Oahu, HI.
12. 21 August 2008 **Pokines, J. T.**, Meet the Neighbors: Did You Know that You Live on an Island with the World's Largest Forensic Anthropology Laboratory? Presentation to the Oahu Chapter, Rotary Club, Honolulu, HI.

Conference Presentations (names of mentees underlined):

International

1. 25 August 2017 Joseph, A. S., **J. T. Pokines**, N. Appel, L. Cadwell, C. Eck, A. Maki, C. Pollock, and C. Young, Anatomical taphonomy at the source: Alterations to a sample of teaching skulls at a medical school. Paper presented at the 21st Triennial Meeting of the International Association of Forensic Sciences, 21-25 August, Toronto, Canada.
2. 30 March 2017 Cordova, C., A. Nowell, C. J. H. Ames, **J. T. Pokines**, and A. Al-Suliman. The environmental context of the Middle Pleistocene occupation at the Shishan Marsh, Azraq, Jordan. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology 29 March—2 April 2017, Vancouver, British Columbia, Canada.
3. 30 March 2017 Nowell, A., D. Stueber, C. J. H. Ames, C. Cordova, and **J. T. Pokines**. In small things remembered: Acheulian small tool assemblages at Shishan March (Jordan). Paper presented at the 82nd Annual Meeting of the Society for American Archaeology 29 March—2 April 2017, Vancouver, British Columbia, Canada.

4. 30 March 2017 **Pokines, J. T.**, A. Nowell, and C. J. H. Ames. Faunal remains from recent excavations at Shishan Marsh 1 (SM1), a Late Lower Paleolithic open-air site in the Azraq Wetlands, Jordan. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology 29 March—2 April 2017, Vancouver, British Columbia, Canada.
5. 31 July 2015 Cordova, C. E., A. Nowell, C. J. H. Ames, **J. T. Pokines**, R. DeWitt, and A. Al-Souliman, Geoarchaeology of complex stratigraphic contexts in the Paleolithic of the Azraq-Shishan, Jordan: A preliminary reconstruction of paleolandscapes. Poster presented at the XIX INQUA Congress, Nagoya, Japan.
6. 29 July 2015 Nowell, A., D. Stueber, C. Cordova, **J. T. Pokines**, and C. Ames, Getting blood from a stone: Blood residue and use-wear analysis of bifaces from Shishan Marsh 1 (Azraq, Jordan). Paper presented at the XIX INQUA Congress, Nagoya, Japan.
7. 11 December 2014 Kalbe, J., C. Ames, A. Nowell, C. Cordova, and **J. T. Pokines**, Pleistocene wetlands in the Jordan desert—Environmental reconstructions by ostracod and gastropod analysis. Paper presented at the Middle Palaeolithic in the Desert II Conference in Bordeaux, 11-13 December 2014.
8. 13 April 2014 L'Abbé, E. N., S. A. Symes, P. Randolph-Quinney, **J. T. Pokines**, K. E. Stull, S. Kuo, and L. R. Berger, Applying a biomechanical approach to the interpretation of skeletal trauma on bone fractures from the 1.98 Mya hominin, *Australopithecus sediba*. Paper presented at the 42nd Anatomical Society of Southern Africa Congress, Stellenbosch, South Africa; 13-16 April 2014.
9. 10 May 2013 Cordova, C. E., A. Nowell, M. Bisson, C. J. H. Ames, **J. T. Pokines**, M. Chang, and M. al-Nahar, Interglacial and glacial desert refugia and the Middle Paleolithic of the Azraq Oasis, Jordan. International Conference on the History and Archaeology of Jordan, Berlin, Germany.
10. 28 November 2012 Nowell, A., C. Cordova, M. Bisson, **J. T. Pokines**, and C. Ames, Beyond the cave: The unique methodological considerations of an open-air Middle Paleolithic site in Azraq, Jordan. Paper presented in the workshop: *Opportunities, Problems and Future Directions in the Study of Open-Air Middle Paleolithic Sites*, Tel Hai, Israel.
11. 28 November 2012 Bisson, M., A. Nowell, C. Cordova, **J. T. Pokines**, C. Ames, M. Poupart, and B. Ghaleb, Dissecting a palimpsest: A late Lower and Middle Paleolithic flint acquisition site on the Madaba Plateau, Jordan. Paper presented in the workshop: *Opportunities, Problems and Future Directions in the Study of Open-Air Middle Paleolithic Sites*, Tel Hai, Israel.
12. 19 May 2012 Ames, C. J. H., A. Nowell, C. E. Cordova, M. S. Bisson, and **J. T. Pokines**, Paleolandscape reconstruction of the Druze Marsh, Jordan: Results from 2011. Poster presented at the 2012 Canadian Archaeology Association Annual Meeting, Montreal, Canada.
13. 17 November 2011 Bisson, M. S., A. Nowell, C. Cordova, and **J. T. Pokines**, The Druze Marsh Archaeological and Paleoecological Project (DMAPP): The archaeology and

paleoecology of a Pleistocene Refugium in Jordan. Paper presented at the 110th Annual Meeting of the American Anthropological Association, Montreal, Canada.

14. 26 May 2009 **Pokines, J. T.**, Taphonomic and paleoecological investigations in the Paleolithic of Northern Jordan. Paper presented at the symposium: *Prehistoric Jordan: Recent and Future Research*, sponsored by the Department of Antiquities, Amman, Jordan.
15. 24 August 2006 **Pokines, J. T.** and J. C. Kerbis Peterhans, Variable spotted hyena (*Crocuta crocuta*) den use in the Masai Mara National Reserve, Kenya. Paper presented at the 10th International Congress of the International Council for Archaeozoology (ICAZ), Mexico City.
16. 27 August 1998 **Pokines, J. T.**, Paleoenvironment of Cantabrian Spain during the Late Pleistocene and human ecological relationships. Paper presented at the 8th International Congress of the International Council for Archaeozoology (ICAZ), Victoria, BC, Canada.
17. 27 August 1998 **Pokines, J. T.**, Human seasonality derived from micromammalian studies. Paper presented at the 8th International Congress of the International Council for Archaeozoology (ICAZ), Victoria, BC, Canada.

National

18. February 2019 Bartelink, E. J., D. Boyd, D. France, **J. T. Pokines**, and D. Prince Zinni. The American Board of Forensic Anthropology examination turns 40: Historical perspectives and current trends in certification for forensic anthropology. Paper to be presented at the 71st Annual Meeting of the American Academy of Forensic Sciences, 18-23 February, Baltimore, MD.
19. February 2019 Church, E., **J. T. Pokines**, and C. J. H. Ames. Forensic utility of photogrammetry in surface scene documentation. Poster to be presented at the 71st Annual Meeting of the American Academy of Forensic Sciences, 18-23 February, Baltimore, MD.
20. 31 May 2017 Eck, C., C. Pollock, N. Appel, **J. T. Pokines**, L. Cadwell, A. S. Joseph, A. Maki, and C. Young. Alterations to a sample of teaching skulls at Boston University School of Medicine. Paper presented at the 12th John McCahan Medical Campus Education Day, 31 May 2017, Boston University School of Medicine, Boston, MA.
21. 15 February 2017 Pollock, C. R., **J. T. Pokines**, and J. D. Bethard. Organic staining on bone. Poster presented at the 69th Annual Meeting of the American Academy of Forensic Sciences, 13-18 February, New Orleans, LA.
22. 16 February 2017 Berger, J. M., **J. T. Pokines**, and T. L. Moore. Reciprocating saws as tools of dismemberment. Poster presented at the 69th Annual Meeting of the American Academy of Forensic Sciences, 13-18 February 2017, New Orleans, LA.
23. 14 April 2016 Symes, S. A., E. N. L'Abbé, **J. T. Pokines**, L. L. Cabo, K. E. Stull, S. Kuo, D. E. Raymond, P. S. Randolph-Quinney, and L. R. Berger. The application of

forensic biomechanical principles of bone fractures to evaluate suspected injuries in the fossil record. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, 13-16 April 2016, Atlanta, GA.

24. 24 February 2016 Price, M., **J. T. Pokines**, and J. D. Bethard, Age estimation using the sternal end of the clavicle: A test of the Falys and Prangle (2014) archaeological method for forensic application. Poster presented at the 68th Annual Meeting of the American Academy of Forensic Sciences, 20-27 February 2016, Las Vegas, NV.
25. 18 November 2015 Nowell, A., D. Stueber, C. Cordova, **J. T. Pokines**, and C. Ames, Getting blood from a stone: Residue and use-wear analysis of bifaces from Shishan Marsh 1 (Jordan). Paper presented at the Annual Meeting of the American School for Oriental Research, 18-21 November 2015, Atlanta, GA.
26. 28 March 2015 Brennaman, A. L., K. Love-Myers, J. D. Bethard, and **J. T. Pokines**, Age estimation from osteoarthritis of the shoulder in modern North Americans. Poster presented at the 84th Annual Meeting of the American Association of Physical Anthropologists, 25-28 March 2015, St. Louis, MO.
27. 20 February 2015 Adams, D., **J. T. Pokines**, and J. Bethard, Odontometric differentiation between Southwest Hispanics, Native Americans, and European Americans. Paper presented at the 67th Annual Meeting of the American Academy of Forensic Sciences, 16-21 February 2015, Orlando, FL.
28. 22 November 2014 Nowell, A., C. E. Cordova, C. J. H. Ames, and **J. T. Pokines** (2014) Paleolithic occupations in the Shishan Marsh, Jordan: Report on the 2014 field season of the Azraq Marshes Archaeological and Paleoecological Project. Paper presented at the Annual Meeting of the American School of Oriental Research (ASOR), 19-22 November 2014. San Diego, CA.
29. 26 April 2014 Ames, C. J. H., A. Nowell, **J. T. Pokines**, and C. E. Cordova, New evidence of Paleolithic occupation in the Shishan Marsh, Jordan: Report on the 2013 field season of the Azraq Marshes Archaeological and Paleoecological Project. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, 23-27 April 2014, Austin, TX.
30. 22 February 2014 Randolph-Quinney, P., **J. T. Pokines**, S. A. Symes, E. N. L'Abbé, L. Backwell, J. Brophy, A. Parkinson, A. Val, R. Keeling, and L. Berger, The Prodigal Child returns: The application of forensic taphonomic analyses to palaeoanthropological assemblages—Case examples from the Malapa hominin deposit. Paper presented at the 66th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA.
31. 20 February 2014 Petersen, A. T., **J. T. Pokines**, and G. W. Reinecke, Comparing feral pig and coyote scavenging and dispersal patterns in the greater Yosemite ecosystem, CA, USA. Poster presented at the 66th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA.
32. 6 April 2013 Ames, C. J. H., C. E. Cordova, A. Nowell, **J. T. Pokines**, and M. S. Bisson (2013) Hominin occupation and landscape evolution at the Druze Marsh site in

northeast Jordan. Paper presented at the 78th Annual Meeting of the Society for American Archaeology, 3-8 April 2013, Honolulu, HI.

33. 2 April 2013 Ames, C. J. H., A. Nowell, C. E. Cordova, **J. T. Pokines**, and M. Bisson (2013) Paleoenvironments and lithic taphonomy at the Druze Marsh Paleolithic site in northeast Jordan. Poster presented at the Paleoanthropology Society Meetings, 2-3 April 2013, Honolulu, HI.
34. 20 February 2013 Woods, K. N. and **J. T. Pokines**, Analysis of nonhuman skeletal material received in a medical examiner setting. Poster presented at the 65th Annual Meeting of the American Academy of Forensic Sciences, Washington, DC.
35. 25 February 2010 **Pokines, J. T.**, K. Burke, and J. Paoello, Patterns of trauma on the skeletal remains of U.S. soldiers in the Battle of East Chosin, North Korea. Paper presented at the 62nd Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA.
36. 22 February 2010 **Pokines, J. T.**, Chair, Workshop: *Taphonomy of Bone Destruction: Information Lost, Information Gained*. Co-Chair: Steven Symes, Mercyhurst University. American Academy of Forensic Sciences, 62nd Annual Meeting, Seattle WA.
37. 23 April 2009 **Pokines, J. T.**, D. E. Blom, and N. C. Couture, Microfaunal remains from Tiwanaku. Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, GA.
38. 1 April 2009 Nowell, A., M. Bisson, C. Cordova, **J. T. Pokines**, C. Ames, and M. Al-Nahar, Through the stones we reach the shore: Excavations of a Paleolithic marsh. Paper presented at the 18th Annual Meeting of the Paleoanthropology Society, Chicago, IL.
39. 20 November 2008 Nowell, A., M. Bisson, C. Cordova, **J. T. Pokines**, and C. Ames, Through the stones, we reach the shore: Excavations at Druze Marsh. Paper presented at the American School of Oriental Research Meetings, Boston, MA.
40. 15 February 2002 **Pokines, J. T.**, G. E. Berg, B. J. Adams, A. W. Bunch, J. E. Byrd, T. D. Holland, W. R. Belcher, and M. D. Leney, How *not* to stage a burial: Lessons from North Korea. Paper presented at the 54th Annual Meeting of the American Academy of Forensic Sciences, Atlanta, GA.
41. 21 April 2001 **Pokines, J. T.** and J. Kerbis Peterhans, Spotted hyena (*Crocuta crocuta*) taphonomy in Masai Mara Park, Kenya. Paper presented at the 66th Annual Meeting of the Society for American Archaeology, New Orleans, LA.
42. 12 April 1996 **Pokines, J. T.**, Late Pleistocene environment and subsistence in Cantabrian Spain. Paper presented at the 61st Annual Meeting of the Society for American Archaeology, New Orleans, LA.
43. 23 April 1994 **Pokines, J. T.**, Form, function and context in Cantabrian Lower Magdalenian antler projectile points. Paper presented at the 59th Annual Meeting of the Society for American Archaeology, Anaheim, CA.

44. 15 April 1993 **Pokines, J. T.**, Antler as a raw material: Experimentation with replicated Lower Magdalenian spearpoints. Paper presented at the 58th Annual Meeting of the Society for American Archaeology, St. Louis, MO.

Bibliography (names of mentees underlined):

ORCID : [0000-0002-0406-420X](https://orcid.org/0000-0002-0406-420X)

Original, Peer-Reviewed Articles:

1. **Pokines, J. T.** (in press) Two cases of dendrochronology used to corroborate a forensic postmortem interval. *Journal of Forensic Identification*.
2. **Pokines, J. T.**, A. M. Lister, C. J. H. Ames, A. Nowell, and C. E. Cordova (in press) Faunal remains from recent excavations at Shishan Marsh 1 (SM1), a Late Lower Paleolithic open-air site in the Azraq Basin, Jordan. *Quaternary Research*.
3. Kruger, A., P. S. Randolph-Quinney, R. Peterson, **J. T. Pokines**, M. Elliott, J. Hawks, and L. R. Berger (in press) Post-mortem disarticulation patterns in *Homo naledi*: Taphonomic signatures of differential decomposition in the Dinaledi Chamber, Rising Star Cave. *Journal of Archaeological Science*.
4. Federchok, T. J., **J. T. Pokines**, K. Crowley, and C. M. Grgicak (in press) Recovery of DNA from teeth exposed to variable temperatures. *Forensic Anthropology*.
5. Christensen, A. M. and **J. T. Pokines** (in press) Discovery context of skeletal remains received at the Federal Bureau of Investigation (FBI) Laboratory. *Forensic Anthropology*.
6. **Pokines, J. T.**, S. Robinson, J. Mansz, N. Heidel, K. Jasny, J. Gilligan, A. Carmona, J. Kroll, S. Lavigne, and S. Calle (in press) Success rates of forensic surface search for osseous remains in a New England, U.S.A. environment. *Forensic Anthropology*.
7. Cadwell, L. M., **J. T. Pokines**, and T. L. Moore (in press) Macroscopic observations of the effects of corrosive substances on bone and soft tissue when subjected to heating. *Journal of Forensic Identification*.
8. Berger, J., **J. T. Pokines**, and T. L. Moore (2018) Analysis of class characteristics of reciprocating saws. *Journal of Forensic Sciences*. DOI: 10.1111/1556-4029.13759.
9. Pollock, C., **J. T. Pokines**, and J. Bethard (2018) Organic staining on bone from exposure to wood and other plant materials. *Forensic Science International* 283:200-210.
10. **Pokines, J. T.** (2018) Differential diagnosis of the taphonomic histories of common types of forensic osseous remains. *Journal of Forensic Identification* 68(1):87-145.
11. **Pokines, J. T.**, K. Faillace, J. Berger, D. Pirtle, M. Sharpe, A. Curtis, K. Lombardi, and J. Admans (2018) The effects of repeated wet-dry cycles as a component of bone weathering. *Journal of Archaeological Science: Reports* 17:433-441.

12. **Pokines, J. T., K. Mammano, M. Studebaker-Reed, J. Mowery, M. Patterson, C. Schneider, B. Trapp, and C. Mincher** (2018) Success rates of recovering dispersed bones among leaf litter. *Forensic Anthropology* 1(4):189-200.
13. **Pokines, J. T. and C. Pollock** (2018) The small scavenger guild of Massachusetts. *Forensic Anthropology* 1(1):52-67.
14. **Pokines, J. T., N. Appel, C. Pollock, C. J. Eck, A. G. Maki, A. S. Joseph, L. Cadwell, and C. D. Young** (2017) Anatomical taphonomy at the source: Alterations to a sample of 84 teaching skulls at a medical school. *Journal of Forensic Identification* 67(4):600-632.
15. Yucha, J. P., **J. T. Pokines**, and E. J. Bartelink (2017) A comparative taphonomic analysis of 24 trophy skulls from modern forensic cases. *Journal of Forensic Sciences* 62(5):1266-1278.
16. **Brennaman, A., K. Love-Myers, J. Bethard, and J. T. Pokines** (2017) A Bayesian approach to age-at-death estimation from osteoarthritis of the shoulder in modern North Americans. *Journal of Forensic Sciences* 62(3):573-584.
17. **Newcomb, A., J. T. Pokines, and T. E. Moore** (2017) Taphonomic effects of mechanical plowing on buried juvenile remains. *Journal of Forensic Sciences* 62(1):67-73.
18. **Pokines, J. T., C. J. Eck, and M. E. Sharpe** (2017) Sources of skeletal remains at a chief medical examiner's office: Who finds the bones? *Journal of Forensic Identification* 67(2):278-299.
19. **Pokines, J. T., R. Sussman, M. Gough, C. Ralston, E. McLeod, K. Brun, A. Kearns, and T. L. Moore** (2017) Taphonomic analysis of Rodentia and Lagomorpha bone gnawing based upon incisor size. *Journal of Forensic Sciences* 62(1):50-66.
20. Nowell, A., C. Walker, C. E. Cordova, C. J. H. Ames, **J. T. Pokines**, D. Stueber, R. DeWitt, and A. S. A. al-Souliman (2016) Middle Pleistocene subsistence in the Azraq Oasis, Jordan: Protein residue and other proxies. *Journal of Archaeological Science* 72:36-44.
 - As of 6 February 2017: >4100 article views; 259 altmetric score (top 5% of all research; #2 of 1435 articles from this journal)
 - Received international press attention (80+ articles), including:
 - *Time Magazine Special Edition: 100 New Scientific Discoveries*, 22 January 2017, p. 27.
 - *Archaeology*, World Roundup, November/December 2016, Vol. 69(6):24.
 - http://www.nytimes.com/2016/08/23/science/carving-the-meat-before-meals-250000-years-ago.html?_r=0
 - <http://www.bumc.bu.edu/busm/2016/08/09/oldest-protein-residue-found-on-stone-tools-pokines-analyzing-bones-from-site/>
 - <http://www.uvic.ca/home/about/campus-news/ring/2016+stone-age-tools-nowell+ring/?hardrefresh=true>
 - <http://www.cnn.com/2016/08/10/health/cavemen-ancient-tools-mystery/>
 - <https://www.washingtonpost.com/news/speaking-of-science/wp/2016/08/09/this-250000-year-old-tool-was-used-to-butcher-a-rhinoceros/>
 - <http://www.dailymail.co.uk/sciencetech/article-3725857/Stone-Age-tools-reveal-ancestors-prepared-duck-rhino-horse-meat-250-000-years-ago.html?ITO=1490>
 - <http://www.smithsonianmag.com/smart-news/250000-years-ago-ancient-humans-used-these-tools-butchery-180960102/?no-ist>

- <http://www.csmonitor.com/Science/2016/0809/What-can-we-learn-from-250-000-year-old-meat-carving-tools>
- <http://time.com/4443060/humans-early-tools/>
- <http://www.jordantimes.com/news/local/archaeologists-make-world-first-discovery-about-stone-age-tools-jordan>
- <http://blogs.discovermagazine.com/deadthings/2016/08/09/prehistoric-stone-tools-wheres-the-beef-or-at-least-the-rhino/#.V6xqtI-cHIU>
- [http://www.discover-usa.net/w/science stone age tools reveal how our ancestors prepared duck rhino and horse meat up to 250 000 ye](http://www.discover-usa.net/w/science%20stone%20age%20tools%20reveal%20how%20our%20ancestors%20prepared%20duck%20rhino%20and%20horse%20meat%20up%20to%20250%20000%20ye)
- <https://www.sciencedaily.com/releases/2016/08/160808123824.htm>
- <http://popular-archaeology.com/issue/summer-2016/article/archaeology-team-makes-unprecedented-tool-discovery>
- <http://www.startribune.com/science-briefs-human-history-was-written-with-stone-tools/391372461/>
- <http://www.theglobeandmail.com/technology/science/animal-residue-on-ancient-stone-tools-shine-light-on-early-humans/article31307108/>
- <http://www.heritagedaily.com/2016/08/a-research-team-working-in-jordan-has-discovered-the-residual-remains-of-butchered-animals-on-stone-tools-used-250000-years-ago/112369>
- <https://www.sciencerecorder.com/news/2016/08/09/ancient-stone-tools-show-early-humans-ate-duck-rhino/>
- <http://www.archaeology.org/news/4713-160808-stone-tools-residues>
- <http://www.ibtimes.co.uk/early-humans-were-butchering-rhinos-horses-stone-tools-250000-years-ago-1574964>
- <http://www.dailymail.co.uk/sciencetech/article-3725857/Stone-Age-tools-reveal-ancestors-prepared-duck-rhino-horse-meat-250-000-years-ago.html>
- http://www.upi.com/Science_News/2016/08/08/Researchers-find-evidence-of-animal-butchered-by-Stone-Age-hominins/6051470677874/
- <https://www.yahoo.com/news/humans-first-used-tools-eat-163815070.html>
- <https://www.ucl.ac.uk/human-evolution/news/cross-over-immunoelectrophoresis-residue-stone-tools-sept-2016>
- <http://www.sci-news.com/archaeology/hominins-stone-tools-butcher-rhinos-other-animals-04089.html>
- <http://www.scienceworldreport.com/articles/45237/20160810/archaeologists-find-250-000-year-old-tool-used-butcher-rhinos.htm>

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1. Pollock, C. R., **J. T. Pokines**, and J. D. Bethard (2017) Organic staining on bone. *Proceedings of the American Academy of Forensic Sciences* 23:64-65.
2. Berger, J. M., **J. T. Pokines**, and T. L. Moore (2017) Reciprocating saws as tools of dismemberment. *Proceedings of the American Academy of Forensic Sciences* 23:143-144.

3. Price, M., **J. T. Pokines**, and J. D. Bethard (2016) Age estimation using the sternal end of the clavicle: A test of the Falys and Prangle archaeological method for forensic application. *Proceedings of the American Academy of Forensic Sciences* 22:52.
4. Adams, D., **J. T. Pokines**, and J. Bethard (2015) Odontometric differentiation between Southwest Hispanics, Native Americans, and European Americans. *Proceedings of the American Academy of Forensic Sciences* 21:191.
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9. **Pokines, J. T.** and S. A. Symes (2010) Workshop: Taphonomy of Bone Destruction: Information Lost, Information Gained. *Proceedings of the American Academy of Forensic Sciences* 16:14.
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1. **Pokines, J. T.** (1999) Review of *A Hunter-Gatherer Landscape: Southwest Germany in the Late Paleolithic and Mesolithic* by M. Jochim (New York: Plenum Press, 1998). *Journal of Anthropological Research* 55(2):300-302.

Book Chapters:

1. Belcher, W. R. and **J. T. Pokines** (in press) Fish utilization at Khonkho Wankane. In *Early Complexity in the South-Central Andes: Khonkho Wankane and its Hinterland; Archaeology in the*

Machaca Region of Bolivia, Volume II, edited by J. W. Janusek. Cotsen Institute of Archaeology, UCLA, Los Angeles.

2. **Pokines, J. T.** (in press) Mammalian microfaunal, avian, and herpetological remains in ceremonial and domestic contexts at Khonkho Wankane. In *Early Complexity in the South-Central Andes: Khonkho Wankane and its Hinterland; Archaeology in the Machaca Region of Bolivia*, Volume II, edited by J. W. Janusek. Cotsen Institute of Archaeology, UCLA, Los Angeles.
3. **Pokines, J. T.** (in press) Pseudotrauma and taphonomy. In *Bone Fracture Interpretation in Anthropology and the Forensic Sciences* ed. by S. A. Symes and E. N. L'Abbé. Elsevier.
4. **Pokines, J. T.** and M. A. Tersigni-Tarrant (2017) Forensic taphonomy. In *Forensic Anthropology: An Introduction* (2nd edition) ed. by M. A. Tersigni-Tarrant and N. R. Langley. CRC Press, Boca Raton, FL, pp. 57-77.
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6. Higgs, N. and **J. T. Pokines** (2014) Marine environmental alterations to bone. *Manual of Forensic Taphonomy* ed. by **J. T. Pokines** and S. A. Symes, pp. 143-179. CRC Press, Boca Raton, FL.
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9. **Pokines, J. T.** (2014) Faunal dispersal, aggregation, and gnawing damage to bone in terrestrial environments. In *Manual of Forensic Taphonomy* ed. by **J. T. Pokines** and S. A. Symes, pp. 201-248. CRC Press, Boca Raton, FL.
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13. **Pokines, J. T.**, J. Hoskins, C. J. H. Ames, G. A. Kravitz, and J. Beck (2014) Taphonomic and paleoecological investigations in the Paleolithic of Northern Jordan. In *Prehistoric Jordan: Recent and Future Research*, edited by W. Finlayson and G. Rollefson. Department of Antiquities, Amman, Jordan, pp. 49-67.

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18. **Pokines, J. T.** (2000) Late Upper Paleolithic environment, biogeography and subsistence in Cantabrian Spain. In *Regional Approaches to Adaptation in Late Pleistocene Western Europe*, pp. 61-74, edited by G. Larsen Peterkin and H. Price. Oxford, British Archaeological Reports, International Series 896.
19. **Pokines, J. T.** and M. Krupa (1997) Self-barbed antler spearpoints and evidence of fishing in the Late Upper Paleolithic of Cantabrian Spain. In: *Projectile Technology*, pp. 241-262., edited by H. Knecht. Plenum Publishing, New York.

Forensic Anthropology Laboratory Case Reports:

Joint POW/MIA Accounting Command (JPAC), Central Identification Laboratory (CIL)

All CIL reports are peer-reviewed internally, which also includes an additional layer of managerial review. All reports used to support identifications of U.S. servicemembers are also peer-reviewed externally by independent, Board-certified (ABFA and ABFO) forensic consultants. All analytical and evidence handling procedures meet American Society of Crime Laboratory Directors, Laboratory Accreditation Board (ASCLD-LAB) and International Organization for Standardization (ISO) standards. Through my field and laboratory activities at the JPAC-CIL, I authored the following (230+) forensic reports:

1. 100 Forensic Anthropology Reports (human skeletal analyses)
2. 41 Search and Recovery Reports (field excavation and analysis)
3. 26 Investigation Reports (field investigations for future excavations)
4. 21 Material Evidence Reports (artifact analyses)
5. 17 Administrative Fiat memoranda (identification of non-human osseous remains and/or non-osseous materials)
6. 26 CIL Portion memoranda (designation of osseous remains as unidentifiable)

Office of the Chief Medical Examiner (OCME), Commonwealth of Massachusetts

Through my field and laboratory activities at the OCME, I authored the following (1060+) forensic reports:

1. 272 Forensic Anthropology Reports (human skeletal analyses)
2. 5 Supplemental Forensic Anthropology Reports (artifact analyses)
3. 40 Forensic Field Reports (field excavation and analysis)
4. 751 General Observations Reports (nonhuman remains/non-osseous analyses)

Boston University School of Medicine, Forensic Anthropology Program

Through my laboratory activities at Boston University, I authored/co-authored the following forensic reports:

1. 20 Forensic Anthropology Reports (human skeletal analysis)

Books and Monographs:

1. **Pokines, J. T.** and S. A. Symes, editors (2014) *Manual of Forensic Taphonomy*. CRC Press, Boca Raton, FL, 481 pp.
 - <https://www.crcpress.com/Manual-of-Forensic-Taphonomy/Pokines-Symes/9781439878415>
 - This volume is the first update of the entire field of forensic taphonomy in more than twelve years and the first book to distinguish among multiple types of taphonomic changes.
 - Specific chapters topics include varying burial environments, animal scavenging and dispersal, fluvial transport, human dispersal, cultural modifications, marine environments, subaerial weathering, thermal alteration, recovery methods used in collecting remains, inherent variations in survivability of different bones, degradation of DNA in different environments, organisms involved in soft-tissue decomposition which result in skeletonization, microscopic alterations, and color changes.
 - Examines the relative timing of taphonomic damage, i.e., perimortem vs. postmortem change.
 - This volume was prepared for teaching students and non-specialists and as a reference manual for professionals.
2. **Pokines, J. T.** (1998) *Paleoecology of Lower Magdalenian Cantabrian Spain*. Oxford: British Archaeological Reports, International Series S713, 189 pp.
3. **Pokines, J. T.** (1997) *Microfaunal Indicators of Paleoenvironment from El Juyo (Santander, Spain)*. Ph.D. Dissertation, Department of Anthropology, University of Chicago, 537 pp.
4. **Pokines, J. T.** (1993) *Antler Points from El Juyo (Santander, Spain): Form, Manufacture, and Parameters of Use*. M.A. Thesis, Department of Anthropology, University of Chicago, 107 pp.