

Emily Brooks

Ph.D. Student in Bioarchaeology

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EDUCATION

Ph.D. <i>(in progress)</i>	2026 <i>(anticipated)</i>	Anthropology	Arizona State University, Tempe, AZ
<i>Committee Co-Chairs: Dr. Jane Buikstra, Dr. Katelyn Bolhofner</i>			
M.S.	2021	Anthropology	Mercyhurst University, Erie, PA
<i>Thesis: The Virtual Quantification of Porcine Trabecular Bone in 2D and 3D Imagery</i>			
B.A.	2019	Anthropology	California State University, Northridge, Los Angeles, CA
A.A.	2016	Anthropology	Moorpark College, Moorpark, CA

PROFESSIONAL PRESENTATIONS

- April 2021 **American Association of Biological Anthropologists (AABA)**
Virtual Conference
A Validation Study of Quantitative Techniques for Commingled Remains by Emily Brooks*, Theresa De Cree*, Sarai Colon, Leslie Fitzpatrick, and Luis Cabo-Perez.
- February 2021 **American Academy of Forensic Sciences (AAFS)**
Virtual Conference
A Geomorphometric Study on Sex Estimation of the Pelvis on Skeletal Remains: A Pilot Study by Emily Brooks*, Theresa De Cree*, Nora Butterfield, and Luis Cabo-Perez.

A Pilot Study on 2D and 3D Image Distortion: A Forensic Anthropological Approach by Emily Brooks, Theresa De Cree, Victoria Lamond, Samantha LaFrance, Colleen Peters, and Luis Cabo-Perez.
- November 2020 **Tom Ridge 16th Annual Research Symposium**
Virtual Conference
A Geomorphometric Study on Sex Estimation of the Pelvis on Skeletal Remains: A Pilot Study by Emily Brooks*, Theresa De Cree*, Nora Butterfield, and Luis Cabo-Perez.

A Pilot Study on 2D and 3D Image Distortion: A Forensic Anthropological Approach by Emily Brooks, Theresa De Cree, Victoria Lamond, Samantha LaFrance, Colleen Peters, and Luis Cabo-Perez.

AWARDS AND SCHOLARSHIPS

- 5) 2021 **FSF Student Travel Grant**
AAFS 73rd Annual Scientific Meeting
- 4) 2020 **2nd Place Overall Graduate Oral Presentation, Session Viewership Award**
Tom Ridge 16th Annual Research Symposium.
- 3) 2019 **Bruce Gelvin Endowed Scholarship, Graduate with Summa Cum Laude Honors**
Anthropology Department, California State University, Northridge
- 2) 2016-17 **Dean's List**
California State University, Northridge
- 1) 2014-16 **Dean's List**
Moorpark College

TEACHING EXPERIENCE

- Spring 2020 - Spring 2021 **Teaching Assistant, Mercyhurst University, Erie, PA**
ANTH 333: Human Skeletal Biology II
ANTH 334: Human Skeletal Biology II Lab
ANTH 326: Human Osteology
ANTH 327: Human Osteology Lab
ANTH 120: Physical Anthropology
ANTH 121: Physical Anthropology Lab

FIELDWORK EXPERIENCE

- Summer 2019 **Odyssey Field School, Limassol, Cyprus**
Field School Teaching Assistant: Assist students with learning human osteology; assist students during open lab hours; provide one-on-one tutoring.
- Summer 2018 **Odyssey Field School, Limassol, Cyprus**
Research Assistant: Interobserver error; metric data collection.
- Summer 2019 **Odyssey Field School, Limassol, Cyprus**
Independent Researcher: Data collection; presence of PFFs (Pelvic Fragility Fractures) in a modern, known Cypriot population.
- Summer 2018 **Odyssey Field School, Limassol, Cyprus**
Research assistant: Muscle Markings and Sociocultural Inferences
Interobserver: Putting Life Back into the Bones: The symptomatology of pain and suffering in the Cyprus Reference Research Collection and its relationship to positive identification.

- Summer 2017 **Odyssey Field School**, Limassol, Cyprus
Field School Student: Bioarchaeological excavation; rapid exhumations; post-excavation analyses; forensic case work; report writing; archaeological mapping; forensic photography.
- Summer 2016 **Belize Valley Archaeological Reconnaissance Project (BVAR)**, San Ignacio, Belize, Central America
Field School Student: Archaeological excavation (Phase II and III); Laboratory analyses; Artifact cleaning; Mapping; Photography; Mayan history; Archaeological method and theory.

RESEARCH EXPERIENCE

- August 2021 – Present **Arizona State University**, Tempe, AZ
Graduate Research Assistant: A Skeletal Atlas of Elder Abuse: Establishing Markers of Physical Abuse and Developing a Digital Diagnostic Tool for Education and Screening. National Institute of Justice, 2020-75-CX-0005.
- June 2020 – May 2021 **Mercyhurst University**, Erie, PA
Independent Researcher: A Geomorphometric Study on Sex Estimation of the Pelvis on Skeletal Remains: A Pilot Study. Data collected from the Ted Rathburn Osteological Collection and the William Bass Collection.
Independent Researcher: A Pilot Study on 2D and 3D Image Distortion: A Forensic Anthropological Approach. Data collected from the Ted Rathburn Osteological Collection.
Independent Researcher: A Validation Study of Quantitative Techniques for Commingled. Data collected from the Ted Rathburn Osteological Collection.
- Fall 2019 – May 2021 **Mercyhurst University**, Erie, PA
Graduate Forensic Student: Forensic archaeological recovery (Phase II and III); Forensic osteological analyses; Blood Borne Pathogen Training (expires August 2021).
- Spring 2019 **California State University, Northridge**, Los Angeles, CA
Senior Seminar Project: Creating and organizing a database and photo catalogue for the Anthropology Department's cast collection.
- Spring 2018 **Smithsonian Center for Folklife and Cultural Heritage**, Washington, DC,
Full-Time Intern: Secretarial skills; Planning professional meetings; Infographic creation; Video recording and editing; Transcribing; Online exhibition creation; Coordination and curriculum creation for an online internship; International cultural exchange program; Literature Review.

Invited Lectures

- Spring 2021 **Mercyhurst University**, Erie, PA
 FRSC 640: Forensic Taphonomy
 "XRF and PMI Estimation"

SOCIAL MEDIA EXPERIENCE

- Fall 2020 – May 2021 **Mercyhurst University, Erie, PA**
- Oversight and management of the department's social media and email communications
 - Supervision of social media profiles to ensure case sensitive information is kept confidential

PROFESSIONAL MEMBERSHIPS

- 2020 - Present American Association of Biological Anthropologists (AABA), Student Member.
2019 - Present American Academy of Forensic Sciences (AAFS), Student Affiliate.
2018 Society for American Archaeology (SAA), Student Membership.

RESEARCH INTERESTS

Bioarchaeology, forensic anthropology, human osteology, trauma, pathology, human rights violations, osteological evidence of violence, biogeochemistry, diagenesis, commingled remains, taphonomy

PROFESSIONAL CERTIFICATIONS

- Summer 2019 Human Remains Identification Certification
Summer 2018 Traumatology and Pathology Certification, Odyssey Field School, Limassol, Cyprus.
Summer 2017 Human Remains Identification Certification, Odyssey Field School, Limassol, Cyprus.

TECHNICAL SKILLS

Advanced proficiency: Microsoft Office, Photoshop, Procreate, Forensic photography, ImageJ
Intermediate proficiency: GIS, ArcMap, Trimble R8, Total Station, 3D scanning (Spyder), Radiography (Konica Minolta Regius Console CS-2 Version 1.30R00 Digital Imaging System), SPSS, Graph Pad Prism, Cocoon Portable X-ray, Isomet saw, Autopsy saw

References

References available upon request.