

Elizabeth (Okrutny) Cho

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EDUCATION

2022 University of Missouri
Doctor of Philosophy, Anthropology
Committee: Dr. Libby Cowgill (advisor), Dr. Gregory Blomquist, Dr. Karthik Panchanathan, and Dr. Kevin Middleton

Dissertation: The influence of climate and population structure on East Asian skeletal morphological variation

2012 University of Central Florida
Master of Arts, Anthropology
Advisor: Dr. Tosha Dupras

Thesis: Postcranial osteometric assessment of Korean ancestry

2010 Ohio Northern University
Bachelor of Science with High Distinction, Forensic Biology
Minors in Chemistry and Biochemistry
Advisor: Dr. Dennis De Luca

TEACHING

2020-2021, Graduate Instructor
2018 Department of Anthropology, University of Missouri
Courses:

- Forensic Anthropology (self-developed in person lecture and lab with online transition due to COVID-19) (SP2020)
- Introduction to Biological Anthropology Laboratory (SP2018, F2020, SP2021)

2021 Graduate Teaching Assistant
Department of Anthropology, University of Missouri
Course:

- Human Origins (SP2021)

2010-2012 Graduate Teaching Assistant
Department of Anthropology, University of Central Florida
Courses:

- General Anthropology
- The Human Species

WORK EXPERIENCE

- 2021-Present Research Associate/Postdoctoral Researcher
Center for Anatomical Sciences
University of North Texas Health Sciences Center
- 2020-2021 Senior Biological Anthropologist
Museum of Anthropology
University of Missouri
- 2017-2018 Biological Anthropologist
Museum of Anthropology
University of Missouri
- 2014-2015 Alternate Evidence Coordinator
Joint POW/MIA Accounting Command Central Identification Laboratory
- 2013-2015 K208 DNA Coordinator
Joint POW/MIA Accounting Command Central Identification Laboratory
- 2012-2015 Forensic Anthropologist
Joint POW/MIA Accounting Command Central Identification Laboratory
Project: K208 (Korean War) commingled skeletal assemblage

PUBLICATIONS

- Submitted* **Cho EO**, Cowgill LW, Middleton KM, Blomquist GE, Savoldi F, Tsoi J, Bornstein MM. The influence of climate and population structure on East Asian skeletal morphology. *Journal of Human Evolution*
- 2019 **Cho EO**. Sex estimation of East Asian individuals using bones of the hands and feet. *Forensic Anthropology*, 2(4), 261-273.
- 2014 Jin J, Burch A, LeGarde C, and **Okrutny E**. The Korea 208: A large-scale commingling case of American remains from the Korean War. In: Adams BJ and Byrd JE, editors. *Commingled Human Remains: Methods in Recovery, Analysis, and Identification*. Academic Press. p 407-424.

CONFERENCE PRESENTATIONS

- 2022 **Cho EO**, Cowgill LW, and Blomquist GE. The impact of precipitation and humidity on East Asian skeletal variation. American Association of Biological Anthropologists, Denver, Colorado. March 23-26. (podium abstract accepted)
- 2021 **Cho EO**, Cowgill LW, Blomquist GE, and Middleton KM. The influence of climate and population structure on East Asian skeletal morphology. American Association of Physical Anthropologists, virtual. April 7-28. (podium)

- 2020 **Cho EO** and Cowgill LW. Pelvic variation and sexual dimorphism in East Asian populations. American Association of Physical Anthropologists, Los Angeles, CA. April 15-18. (poster abstract accepted – *meeting cancelled due to COVID-19*)
- 2018 **Cho EO**, Blomquist GE, and Cowgill LW. Multivariate selection on human size and shape in East Asia. American Association of Physical Anthropologists, Austin, TX. April 11-14. (poster)
- 2017 **Cho EO**, Nalley TK, Middleton ER, and Ward CV. Assessment of the thoracolumbar transition in modern humans. American Association of Physical Anthropologists, New Orleans, LA. April 19-22. (poster)
- 2013 Burch A, Jin J, LeGarde C, and **Okrutny E**. Don't be fooled by taphonomy. Society for American Archaeology, Honolulu, HI. April 3-7. (podium)
- 2013 **Okrutny E** and Byrd JE. Postcranial osteometric assessment of Korean ancestry. American Academy of Forensic Sciences, Washington, DC. February 18-23. (poster)
- 2012 **Okrutny E**, Byrd JE, and Jin J. Ancestry and the osteometric assessment of the femur. American Association of Physical Anthropologists, Portland, OR. April 11-14. (poster)
- 2011 Minetz JA, Lanning BI, Puzzuto K, and **Okrutny E**. Osteometric assessment of the vertebral column. American Academy of Forensic Sciences, Chicago, IL. February 21-26. (poster)

SELECT GRANTS, AWARDS, AND FELLOWSHIPS

- 2021 Mildred Trotter Prize, American Association of Physical Anthropologists – for outstanding presentation on bones or teeth
- 2019 NSF Biological Anthropology Doctoral Dissertation Research Improvement Grant (#1847486; \$23,814)
- 2018 Wenner-Gren Dissertation Fieldwork Grant (#9693; \$20,000)
- 2018 Dorothy (Dot) Tompkins Gelvin PhD Memorial Scholarship, Department of Anthropology, University of Missouri (\$1,500)
- 2015-2019 Life Sciences Fellowship, University of Missouri (\$25,000/year)
- 2012-2015 Oak Ridge Institute for Science and Education (ORISE) Post-Master's Fellowship
- 2008 Appreciation Award for Dedicated Service to the Community, Fraternal Order of Police, Lodge No. 55 (Miami Co., OH)

SCHOLARSHIPS AND HONORS

2012	Delta Epsilon Iota Academic Honor Society, University of Central Florida
2009	Mortar Board National College Senior Honor Society, Ohio Northern University
2009	Beta Beta Beta National Biological Honor Society, Ohio Northern University
2007-2010	Dean's List, Ohio Northern University
2007	Abbott Scottish Rite Scholarship
2007	Kappa Delta Foundation Girl Scout Gold Award Young Woman of Distinction Scholarship
2006-2010	Alumni Award Scholarship, Ohio Northern University
2006-2010	Dean's Scholarship, Ohio Northern University

PUBLIC SPEAKING AND GUEST LECTURES

2021	Sausage of Science, Human Biology Association podcast – A holistic viewpoint on skeletal morphology with Elizabeth Cho
2021	University of Missouri, Life Sciences Seminar Series – Lecture on sexual dimorphism, ecogeographic body proportions, and adaptation to graduate students from a variety of biological, chemistry, and genetic fields
2019	Jilin University, Changchun, China – Lecture on climate adaptation and ecogeographic body proportions to graduate students
2019	Kyoto University, Kyoto, Japan – Lecture on the influence of climate adaptation and population genetics on body form to undergraduate students, graduate students, and faculty
2019	Chiang Mai University, Chiang Mai, Thailand – Lecture on the utilization of geometric morphometrics and a Microscribe digitizer for osteological research
2019	University of the Philippines Diliman, Quezon City, Philippines – Lecture on climate adaptation and population structure to undergraduate students, graduate students, and faculty
2007	Ohio Northern University Crime Scene Investigation Camp, Ada, OH – Taught computerized facial compositing using self-developed training course

2006 Tipp City (OH) Police Department – Developed a PowerPoint facial compositing training course, designed a quick reference guide for use in the field, and taught computerized facial compositing skills to police officers

VOLUNTEERING AND COMMUNITY SERVICE

2018 Anthropology Day – Museum of Anthropology, University of Missouri – Event focused on teaching community about osteology, human evolution, and artifacts

2016-2018 Dinosaurs and Cavemen – Integrative Anatomy Department – Event teaching children about evolution, dentition, excavation techniques, and human osteology

2016 Archaeology Day – Minimum Number of Individuals (MNI) table – Event focused on teaching community about artifacts and remains found in excavations

2011 University of Central Florida Graduate Fair – Anthropology Department volunteer

2011 Archaeological Institute of America (AIA) Meeting – Graduate volunteer

PROFESSIONAL MEMBERSHIPS

2021-Present American Association of Anatomy (AAA)

2021-Present Society for Craniofacial Genetics and Developmental Biology (SCGDB)

2017-Present American Anthropological Association (AAA)

2016-Present American Association of Physical Anthropologists (AAPA)

2014-Present American Academy of Forensic Sciences Affiliate Member (AAFS)

2018-2020 Association for Asian Studies (AAS)

2006-2010 Association of Future Forensic Professionals (AFFP)

2006-2010 Midwestern Association of Forensic Scientists (MAFS)

2006-2010 Professional Association of Women in Science (PAWS)

CONSULTATIONS, FIELD SCHOOL, AND EXCAVATIONS

2021 Museum of Anthropology, University of Missouri - evaluation of disinterred remains of possible Civil War veteran and spouse to confirm identity prior to reburial

2017 Cole County Sheriff's Department, Missouri - one of several MU graduate students to assisted with the recovery of remains from a house fire (Feb. 24)

2015 Defense POW/MIA Accounting Agency (formerly JPAC-CIL) recovery mission, Trà Vinh, Vietnam (Mar. 12-Apr. 16)

2014 Honolulu Police Department, Hawaii - member of JPAC-CIL consult team of anthropologists and archaeologists (Apr. 7)

2011 ArchaeoTek Osteology Workshop/Bronze Age Excavation, Cluj-Napoca, Romania

WORKSHOPS, TRAINING COURSES, AND ADDITIONAL EDUCATION

2014, 2012	Basic and Advanced R Statistical Training Courses, Joint POW/MIA Accounting Command Central Identification Laboratory (JPAC-CIL)
2014	Forensic Radiology: Current and Future Forensic Use in Medicolegal Death Investigations, American Academy of Forensic Sciences
2013	Bones and Children: An Interdisciplinary Approach to Forensic Issues, American Academy of Forensic Sciences
2009	22 nd Annual Forensic Anthropology Course, Armed Forces Institute of Pathology Department of Medical Education
2009	Basic and Advanced Forensic Facial Reconstruction Certificates, Case Western Reserve University School of Medicine
2008	Beginning Korean Language; Korean History and Culture Course; Lectures on the Chinese people, history, and culture, Hanyang University and Xi'an Jiaotong University, International Summer School and China Camp