

**Holly A. Long**  
(913)223-7151  
Halong177@gmail.com

## Education

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- 2022- **Doctor of Philosophy**  
Biological Anthropology  
Michigan State University, East Lansing, MI
- 2020-2022 **Master of Science**  
Forensic and Biological Anthropology Concentration  
Mercyhurst University, Erie, PA  
GPA: 3.98
- 2017-2019 **B.S. in Anthropology (Forensic Concentration)**  
Minor in Biology  
Washburn University, Topeka, KS  
GPA: 3.68  
Magna Cum Laude, University Honors
- 2019 **Washburn Transformational Experience**
- 2015-2017 **Associates in Science**  
Cottey College, Nevada, MO  
GPA: 3.72

## Research Interests

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Ancestry Estimation, Age Assessment, Bioarchaeology, Commingled Remains, Forensic Anthropology, Human Rights, Mass Disasters, Sex Estimation, Taphonomic Agents

## Presentations

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\*indicates presenter

- 2022 **Long HA\***. *Assessing Group and Allometry Effects on Macromorphoscopic Ancestry Estimation*. Public oral defense of thesis presented at Mercyhurst University, May 11.  
Supervisors: Dr. Dennis Dirkmaat; Mr. Luis Cabo-Perez
- 2021 Adserias-Garriga J\*, **Long HA\***, Dirkmaat DC. *Learning Options in Challenging Times*. Oral presentation at the FASE Advanced Course in

- Forensic Anthropology and One-day Symposium, virtual, November 11-13.
- 2021 **Long HA\***. *Asymmetry of Cranial Traits and Their Effects on Ancestry Estimation: Pilot Study*. Poster presentation at the 17<sup>th</sup> Tom Ridge Annual Research Symposium, Erie, PA, November 3-5.
- 2021 Shipley-Meeks S\*, **Long HA\***. *The Utility of Forensic Odontology in Forensic Cases*. Oral presentation at the 17<sup>th</sup> Tom Ridge Annual Research Symposium, Erie, PA, November 3-5.
- 2021 Klein K\*, Shipley-Meeks S\*, **Long HA\***. *A Comparison of the Accuracy of Identification Between Non-Human and Human Skeletal Elements*. Poster presentation at the 73<sup>rd</sup> Meeting of the American Academy of Forensic Sciences, virtual, February 15-19.
- 2020 Klein K\*, Shipley S\*, **Long HA\***. *The Importance of Zooarchaeological Identification and Comparison of the Accuracy of Identification between Non-Human and Human Skeletal Elements*. Poster presentation at the 16<sup>th</sup> Tom Ridge Annual Research Symposium, Erie, PA, virtual, November 4-6.
- 2019 Klaes AR\*, **Long HA**. *Secular Change in Morphological Traits of the Skull and Pelvis*. Poster presentation at the 88<sup>th</sup> Meeting of the American Association of Physical Anthropologists, Cleveland, OH, March 27-30.
- 2019 Mizell S\*, **Long HA\***, & Klaes AR. *Application of the Optimized Summed Scored Attributes Method to Sex Estimation in Whites and Blacks*. Poster presentation at the 71<sup>st</sup> Meeting of the American Academy of Forensic Sciences, Baltimore, MD, February 18-23. Also presented at Apeiron Event at Washburn University on April 19<sup>th</sup>, 2019.
- 2019 **Long HA\***. *Climate Change: Archaeologists and the Difficulties They Face*. Poster presentation at Apeiron Event at Washburn University on April 19<sup>th</sup>, 2019.

## Publications

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- 2021 **Long HA**, Klaes AR. *Application of the Optimized Summed Scored Attributes Method to Sex Estimation in Whites and Blacks*. *Forensic Anthropology*.
- 2020 Klaes AR, **Long HA**, Willsey C. *A History of Sex Estimation in Human Skeletal Remains*. In *Sex Estimation in the Human Skeleton: History, Methods, and Emerging Techniques*, eds. AR Klaes. Elsevier.

## Employment

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- 2022- **Graduate Teaching Assistant, Michigan State University**, assisting faculty with course organization, editing of lecture material, creation of student quizzes, grading quizzes and maintaining grade book, and holding consistent office hours to assist students with the covered material
- 2021-2022 **Writing Center Consultant, Center of Academic Engagement, Mercyhurst University**, consult with students on writing assignments from a variety of courses including English, history, and social and analytical sciences, aid students in the editing process, and work with students to develop appropriate writing skills and editing methods for their particular field of study
- 2021-2022 **Graduate Assistant, Mercyhurst University Department of Applied Forensic Sciences**, assist the department with organization and supply maintenance, aid with forensic case tasks, edit forensic case reports, maintain the equipment, update inventories, and serve as a teaching assistant for forensic anthropology and criminal justice courses
- 2021 **Summer Fellowship, Mercyhurst University Department of Applied Forensic Sciences**, assist the department with organization and supply maintenance, aid with forensic case tasks, edit forensic case reports, maintain the equipment, update inventories, and manage projects to prepare for the coming academic year
- 2020-2021 **Graduate Employee, Mercyhurst University Department of Applied Forensic Sciences**, assist the department with organization and supply maintenance, aid with forensic case tasks, edit forensic case reports, maintain the equipment, update inventories, and serve as a teaching assistant for forensic anthropology and criminal justice courses
- 2019 **Forensic Anthropology Laboratory Assistant**, administrative tasks for forensic casework, inventory and updating of skeletal collection, teaching assistant for AN367 Human Osteology course, exam proctoring, creating and implementing laboratory exercises, maintaining laboratory organization and equipment.
- 2018-2019 **Laboratory Assistant, Washburn University SO/AN Department**, including inventory of skeletal collections, laboratory analysis of recovered remains from forensic casework, review of forensic articles and reports, archaeological collection management, maintained and organized archaeology laboratory, researched and requested purchase of necessary laboratory supplies.

## Lectures

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- 2021 Long HA, Lanfranchi AV, Wadford TY. *Applications of the Geographic Information System: Forensic Anthropology, Archaeology, and Beyond* PowerPoint presentation for Forensic Archaeology Course. Instructor: Dr. Alex Klales. Washburn University, Topeka, KS, virtual, Erie, PA, May 4.
- 2021 Long HA, Cattano VR. *History's Mysteries: Forensic Anthropology* PowerPoint presentation for History's Mysteries Course. Instructor: Nicole Brugger. Mercyhurst Preparatory Academy, Erie, PA, April 22.
- 2020 Long HA. *Introduction to Research*. Lecture presented to Introduction to Forensic Science Course. Instructor: Christie Lench. Mercyhurst University, Erie, PA. October 2020
- 2020 Long HA. *Entomology*. Lecture presented to Introduction to Forensic Science Course. Instructor: Christie Lench. Mercyhurst University, Erie, PA. October 2020
- 2020 Long HA. *Forensic Entomology*. Lecture presented to Introduction to Forensic Science Course. Instructor: Christie Lench. Mercyhurst University, Erie, PA. October 2020
- 2020 Klein K, Shipley S, Long HA. *Junk Science*. Lecture presented to Introduction to Forensic Science Course. Instructor: Christie Lench. Mercyhurst University, Erie, PA. September 2020
- 2020 Klein K, Shipley S, Long HA. *Forensic Anthropology*. Lecture presented to Introduction to Forensic Science Course. Instructor: Christie Lench. Mercyhurst University, Erie, PA. September 2020

## Relevant Experience

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- 2022 **Bioarchaeology Field and Laboratory Assistant**, assisted Jose Pena with 5-week field school; guided students through archaeological techniques during excavation on a bioarchaeological site, aided in collecting and sorting osteological material and artifacts, created osteological quizzes of multiple levels, presented topics on biological profile, MNI calculation, trauma analysis, taphonomic alterations, and pathologies; Huarmey, Peru, July 10-August 12.

- 2021 **Electronic Total Station Survey**, assisted Michael Hochrein (ret. FBI agent) of HD Forensics with total station survey; Amasa Stone Slave Cemetery, June 11<sup>th</sup>
- 2021 **Electronic Total Station Survey**, assisted Michael Hochrein (ret. FBI agent) of HD Forensics with total station survey along with Victoria Cattano and Anthony Lanfranchi; March 31<sup>st</sup>
- 2020-2022 **Forensic Casework**, aid in forensic casework under the supervision of a board-certified forensic anthropologist (Dr. Dennis Dirkmaat), for all forensic cases at the Mercyhurst University Forensic Search and Recovery Team (M-FSRT) and the Mercyhurst University Forensic Anthropology Laboratory including forensic archaeological recoveries, maceration, processing of remains, taphonomy, assessing biological profile, and trauma, Mercyhurst University, Erie, PA (500+ hours).
- 2019 **Roncesvalles Ossuary Field School, Aditu Arkeologia in Roncesvalles, Spain**, excavated osteological materials, sorted commingled remains, attended lectures on: minimum number of individuals assessment (MNI), medieval history, human osteology, archaeological methodology, and Basque archaeology.
- 2019 **Research Assistant, Keith Phase Native American Project**, conducting a bioarchaeological analysis of the Keith Phase culture (AD 1-500 to AD 800-900) Native American remains in conjunction with Washburn faculty, the Kansas State Historical Society, and the Native American Tribes of the KS Unmarked Burial Board. Analyses include documentation, sorting commingling, determining MNI, inventorying, and assessment of biological profile parameters.
- 2019 **Short Course Assistant**, assisted with Forensic Archaeology: Recovery of Human Remains at Outdoor Scenes, Fatal Fire Recoveries, and Fragmentary Human Osteology short courses conducted by Dr. Alexandra Klaes at Washburn University.
- 2018-2019 **Forensic Casework**, including forensic archaeological recoveries, maceration, processing of remains, taphonomy, assessing biological profile and trauma, alongside and under the supervision of a board-certified forensic anthropologist (Dr. Alexandra Klaes), for all forensic cases at the Washburn University Forensic Anthropology Recovery Unit and Forensic Anthropology Laboratory, Washburn University, Topeka, KS (100+ hours).

## Memberships

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- 2021- **Student Affiliate Member**, American Academy of Forensic Sciences
- 2019 **Vice President**, Sociology and Anthropology Club, Washburn University, Topeka, KS
- 2018-2019 **Undergraduate Student Member**, American Anthropological Association
- 2017-2019 **Co-president**, Sociology and Anthropology Club, Washburn University, Topeka, KS

## Awards and Honors

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- 2021-2022 Graduate Assistantship
- 2019 Sociology and Anthropology Department Honors
- 2019 Amelia Belle Young Scholarship \$1000
- 2019 Scholarly Creative Project Funding \$1000
- 2018-2019 Myers Social Science Scholarship \$1000
- 2018-2019 Kansas Masonic Foundation Scholarship \$1000
- 2017-2019 Honors Associate, Washburn University Honors College, Topeka, KS

## Relevant Skills

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**Language:** English; reading and conversational Spanish

**Software/Technology:** Microsoft Office Suite, IBM SPSS, TopCon GNSS Positioning System, TopCon Electronic Total Station, Nikon Pulse Laser 332 Electronic Total Station, Trimble R8 GPS Unit, ArcGIS, Inkscape, Photoshop, Adobe Acrobat, MorphoPASSE Program, FORDISC 3.1, ADBOU 2.1, Artec Space Spider 3D Scanner, Maxray Cocoon Handheld X-Ray Unit, Dexcowin, Dentimax Sensors and imaging Software, Konica Minolta Regius Model 110S clinical grade X-Ray

## Relevant Courses

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**Undergraduate:** Advanced GIS, Ancient Latin America, Beginning Statistics, Biological Anthropology, Directed Readings in Forensic Anthropology; taphonomy and ancestry, Directed Research in Forensic Anthropology, Entomology,

Environmental Archaeology, Field and Laboratory Methods in Archaeology, Field Methods in Forensic Anthropology, Forensic Anthropology, Forensic Anthropology Field School, History and Theory of Anthropology, Human Osteology, Introduction to Archaeology, Introduction to Cultural Anthropology, Introduction to Forensic Science, Introduction to GIS, Introduction to Human Anatomy

**Graduate:** Advanced Statistical Methods for Forensic and Biological Anthropology, Basics of Forensic Anthropology, Basic Statistical Methods for Research, Forensic Archaeology, Forensic Taphonomy, Fragmentary Human Osteology, Forensic Odontology and laboratory, Human Skeletal Profile, Indoor Crime Scene Investigation/Recovery, Paleoanthropology II, Pathological Conditions of the Human Skeleton, Skeletal Trauma Analysis, Zooarchaeology

## References

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1. Dennis Dirkmaat  
Department Chair, Department of Applied Forensic Sciences  
Mercyhurst University  
501 E 38<sup>th</sup> St  
Erie, PA 16546  
Email: [ddirkmaat@mercyhurst.edu](mailto:ddirkmaat@mercyhurst.edu)
2. Dr. Alexandra Klales  
Assistant Professor, Forensic Anthropologist  
Department of Sociology/Anthropology  
College of Arts and Sciences  
Washburn University  
1700 SW College Ave  
Topeka, KS 66621-1117  
Telephone: 785.670.1611  
Email: [alexandra.klales@washburn.edu](mailto:alexandra.klales@washburn.edu)
3. Dr. Joe Adserias-Garriga  
Department of Applied Forensic Sciences  
Mercyhurst University  
501 E 38<sup>th</sup> St  
Erie, PA 16546  
Email: [jadseriasgarriga@mercyhurst.edu](mailto:jadseriasgarriga@mercyhurst.edu)
4. Jose Pena  
Department of Spanish and Portuguese  
The University of Arizona  
1423 E. University Blvd. Rm. 545 Modern Languages Building  
P.O. Box 210067, Tucson, Arizona 85721  
Email: [josep3@arizona.edu](mailto:josep3@arizona.edu)