

# ANGELA L HARDEN, PHD

## CURRICULUM VITAE

(808)797-1921  
angela.harden2@osumc.edu

Columbus, Ohio  
USA

### EDUCATION

---

|      |     |   |
|------|-----|---|
| 2021 | PhD | The Ohio State University<br><i>Anatomy – Skeletal Biology</i>  |
| 2014 | MA  | California State University, Los Angeles<br><i>Anthropology – Forensic Anthropology</i>               |
| 2011 | BA  | Texas A&M University<br><i>Maritime Studies – Nautical Archaeology</i><br><i>Minor – Anthropology</i> |

### MAJOR AREAS OF INTEREST

---

Forensic anthropology, skeletal trauma, skeletal biology, injury biomechanics, human identification, human osteology, histology

### CERTIFICATIONS

---

|      |   |
|------|---|
| 2024 | Sex Estimation – Pelvic Morphology, Forensic Proficiency Test<br>Collaborative Testing Services |
| 2023 | Crime Scene Photography, Ohio Peace Officer Training Academy<br>06-709-23-02                    |
| 2020 | Certified Abbreviated Injury Scale Specialist   |

### SECURITY CLEARANCE

---

|           |        |
|-----------|--------|
| 2014–2024 | Secret |
|-----------|--------|

### PUBLICATION SUMMARY

---

h-index: 5  
Published Manuscripts: 12  
Published Abstracts: 16  
Citation Summary: 2018 (1); 2019 (12); 2020 (13); 2021 (24); 2022 (21); 2023 (19)

### FORENSIC ANTHROPOLOGICAL CASEWORK SUMMARY

---

Forensic Anthropology Reports: 41  
*\*excludes consultations that did not result in a report*  
**Analyst** (29)  
**Co-Analyst** (12)  
**Peer Reviewer** (2)  
Report Types: *Biological Profile* (12); *Trauma* (3); *Biological Profile and Trauma* (6);  
*Commingled Remains* (12); *Human vs Non-human* (5); *Forensic Significance* (2);  
*Osseous vs Non-osseous* (1)

Expert Witness Testimonies: 1

#### **PUBLISHED MANUSCRIPTS**

---

**Harden A**, Kang YS, Baker G, Stull K, Agnew A. (2023). Exploring the Effects of Sex and Size on Dynamic Tibia Properties. *International Research Council on Biomechanics of Injury*. Paper IRC-23-53, 477–498. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, Cambridge, UK.

**Harden A**, Cole M, Bautsch B, Markusic C, Kinn C, Bolte J IV. (2023). Crash Research Network: A Retrospective Approach to Vision Zero. *International Research Council on Biomechanics of Injury*. Short Communication IRC-23-118, 942–943. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, Cambridge, UK.

**Harden A**, Bolte J IV, Kang YS, Agnew A. (2023). Blunt Force Skeletal Trauma Research Methods: A Multidisciplinary Perspective. *Forensic Anthropology*, 6(2):79–91.

**Harden A**, Kang YS, Agnew A. (2022). Comparison of the effect of two dynamic loading rates on fracture characteristics of human ribs in bending: An experimental study. *Forensic Anthropology*, 5(4):292–301.

**Harden A**, Stull K, Kang YS, Bendig A, Bolte J IV, Agnew A. (2022). Relationships between Age, Sex, and Number and Type of Fractures in Human Tibiae. *International Research Council on Biomechanics of Injury*. Short Communication IRC-22-50, 361–362. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, Porto, Portugal.

**Harden A**, Kang YS, Hunter R, Bendig A, Bolte J IV, Eckstein N, Smith A, Agnew A. (2021). Sex-specific relationships between fracture force and cortical bone morphometrics in human tibiae subjected to lateral loading. *International Research Council on Biomechanics of Injury*. Paper IRC 21-33, 232–248. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, online.

Dominguez V†, **Harden A**†, Wascher M, Agnew A. (2020). Rib Variation at Multiple Locations and Implications for Histological Age Estimation. *Journal of Forensic Sciences*, 65(6):2108–2111.

†Authors contributed equally.

**Harden A**, Kang YS, Stammen J, Moorhouse K, Agnew A. (2020). Characterization of Strain Mode in Human Ribs Subjected to Anterior-Posterior Loading. *International Research Council on Biomechanics of Injury*. Short Communication IRC-20-92, 819–820. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, online.

**Harden A**, Kang YS, Agnew A. (2019). Rib Fractures: Validation of an Interdisciplinary Classification System. *Forensic Anthropology*, 2(3):158–167.

**Harden A**, Kang YS, Moorhouse K, Stammen J, Agnew A. (2019). Human Rib Fracture Characteristics and Relationships with Structural Properties. *International Research Council on Biomechanics of Injury*. Paper IRC-19-65, 465–474. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, Florence, Italy.

Agnew A, Murach M, Dominguez V, Sreedhar A, Misicka E, **Harden A**, Bolte J, Kang YS, Stammen J, Moorhouse K. (2018). Sources of Variability in Structural Bending Response of Pediatric and Adult Human Ribs in Dynamic Frontal Impacts. *Stapp Car Crash Journal*, 62:119-192.

**Harden A**, Kang YS, Moorhouse K, Agnew A. (2017). Variation in Fracture Location of Human Ribs Subjected to Dynamic Antero-Posterior Bending. *International Research Council on Biomechanics of Injury*. Short Communication IRC-17-109, 749–750. Presented at the International Research Council on Biomechanics of Injury Annual Meeting, Antwerp, Belgium.

#### **PUBLISHED ABSTRACTS**

---

Agnew AM, Goden C, Hunter R, McGinley J, Kang Y-S, **Harden AL**. (Accepted). Comparison of fracture characteristics in paired human ulnae loaded at two distinct loading rates. American Association of Biological Anthropologists.

**Harden AL**, Cole ME, Agnew AM. (Accepted). Linking bone microstructure to skeletal trauma analysis and interpretation in the tibia. American Association of Biological Anthropologists.

**Harden AL**, Stull KE, Kang Y-S, Agnew AM. (Accepted). Tibia size and the contribution to variance in fracture outcomes. American Academy of Forensic Sciences.

Agnew AM, **Harden AL**, Kang Y-S, Bolte JH. (Accepted). Whole body fracture patterns from blunt force trauma vary within similar loading events. American Academy of Forensic Sciences.

**Harden AL**, Agnew AM, Bolte JH, Kang Y-S, Stull KE. Development of the Forensic Anthropology Skeletal Trauma (FAST) Database. In *2023 National Institute of Justice Forensic Science Research and Development Symposium: American Academy of Forensic Sciences 75th Annual Scientific Conference*. DiEmma G, Fornaro E (Eds.). 2023, p. SA210. RTI Press Publication No. CP-0016-2304. <https://doi.org/10.3768/rtpress.2023.cp.0016.2304>

Goden CM, Brzezinski ET, Agnew AM, **Harden AL** (2023). Accuracy and Observer Agreement in the Determination of Trauma Timing in Human Ribs. *American Journal of Biological Anthropology*, 180(S75):64. Presented at the American Association of Biological Anthropologists 92<sup>nd</sup> Annual Meeting, Reno, Nevada. Poster. <https://doi.org/10.1002/ajpa.24731>

Goden CM, Agnew AM, Kang YS, Stull KE, **Harden AL**. (2023). Preliminary Investigation of Fractographic Method Accuracy in Determining Fracture Propagation Direction in Human

Tibiae. *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 75<sup>th</sup> Annual Scientific Meeting, Orlando, Florida. A39.

**Harden AL**, Kang YS, Bolte JH IV, Stull KE, Agnew AM. (2023). Examination of Strain Mode at Fracture in Experimentally Loaded Human Tibiae. *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 75<sup>th</sup> Annual Scientific Meeting, Orlando, Florida. A40.

Cole ME, Agnew AM, McAdow S, Goldsmith C, **Harden AL**. (2023). Preliminary Investigation of Relationships between Cortical Porosity and Fracture Type in Human Tibiae. *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 75<sup>th</sup> Annual Scientific Meeting, Orlando, Florida. A71.

Cole ME, Kang YS, **Harden A**, Dominguez VM, Agnew AM. (2022). Quantifying 2D cortical porosity improves prediction of human rib structural bending response. *Journal of Bone and Mineral Research*, 38(Suppl 1). Presented at the American Society of Bone and Mineral Research Annual Meeting, Austin, Texas. Poster.

Goldsmith C, **Harden A**, Agnew A. (2022). Preliminary Investigation of Relationships between Sex, Body Size, and Inorganic Content of Human Tibiae. *American Journal of Biological Anthropology*, 177(S73):70–71. Presented at the American Association of Biological Anthropologists 91<sup>th</sup> Annual Meeting, Denver, Colorado. Poster.  
<https://doi.org/10.1002/ajpa.24514>

**Harden A**, Kang YS, Bendig A, Bolte JH IV, Goldsmith C, Agnew A. (2022). Frequency of Wedge Fractures in Experimental Bending of the Tibia. *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 73<sup>rd</sup> Annual Scientific Meeting, Seattle, Washington. A178.

**Harden A**, Dominguez V, Agnew A. (2021). Examining the relationships of intact and fragmentary osteons in human ribs at multiple locations. *American Journal of Physical Anthropology*, 174(S71):44. Presented at the American Association of Physical Anthropologists 90<sup>th</sup> Annual Meeting, virtual. <https://doi.org/10.1002ajpa.24262>

Fye N, **Harden A**, Agnew A. (2021). Preliminary Relationships of Cross-Sectional Geometry in Human Clavicles with Sex and Age. *American Journal of Physical Anthropology*, 174(S71):36–37. Presented at the American Association of Physical Anthropologists 90<sup>th</sup> Annual Meeting, virtual. <https://doi.org/10.1002ajpa.24262>

**Harden A**, Kang YS, Sreedhar A, Agnew A. (2020). Variation in Human Rib Failure Mechanisms in Experimental Anterior-Posterior Loading. *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 72<sup>nd</sup> Annual Scientific Meeting, Anaheim, California. A121.

Agnew A, **Harden A**, Sreedhar A, Bolte J, Kang YS. (2020). Rib Fractures: An Experimental Approach to Identifying Intrinsic Sources of Variability. *American Academy of*

*Forensic Sciences*. Presented at the American Academy of Forensic Sciences 72<sup>nd</sup> Annual Scientific Meeting, Anaheim, California. A122.

**Harden A**, Dominguez V, Agnew A. (2019). Relationships between individual level variables and fracture characteristics in human ribs subjected to anterior-posterior loading. *American Journal of Physical Anthropology*, 168(S68):97–98. Presented at the American Association of Physical Anthropologists 88<sup>th</sup> Annual Meeting, Cleveland, Ohio. Poster 30.31. <https://doi.org/10.1002/ajpa.23802>

**Harden A** & Agnew A. (2018). Classification of fractures in human ribs subjected to dynamic bending. *American Journal of Physical Anthropology*, 165(S66):112. Presented at the American Association of Physical Anthropologists 87<sup>th</sup> Annual Meeting, Austin, Texas. Poster 24.24. <https://doi.org/10.1002/ajpa.23489>

Dominguez V, Crowe N, **Harden A**, Agnew A. (2018). Histological Variables at Multiple Locations and the Effect on Age Estimation. *Proceedings of the American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 70<sup>th</sup> Annual Scientific Meeting, Seattle, Washington. Poster A18.

**Khalil A**, Raymond D, Miller E. An Analysis of Butterfly Fracture Propagation. (2015). *American Academy of Forensic Sciences*. Presented at the American Academy of Forensic Sciences 67<sup>th</sup> Annual Scientific Meeting, Orlando, Florida. A95

#### **PUBLISHED DATABASES**

---

Forensic Anthropology Skeletal Trauma (FAST) Database

**Harden, Angela L.**; Stull, Kyra E.; Kang, Yun-Seok; Bolte IV, John H.; Agnew, Amanda M. (2023): Forensic Anthropology Skeletal Trauma Database. Figshare. Dataset. <https://doi.org/10.6084/m9.figshare.21948419>

#### **BOOK CHAPTERS**

---

Harden A and Agnew A. (accepted). Skeletal Fracture: Biomechanics and Forensic Perspectives, in S.D. Stout and C. Crowder (Eds.). *Bone Histology: An Anthropological Perspective* (2<sup>nd</sup> Edition, XX–XX).

#### **PRESENTATIONS**

---

##### **LOCAL**

Hunter RL, **Harden AL**, Mansfield JA. Multidisciplinary Research for Characterizing Human Injury Across the Life Span. Health and Rehabilitation Grand Rounds, The Ohio State University, March 2023.

Stamper D, Kang YS, **Harden AL**. Preliminary Validation of a Three-Dimensional Rib Fracture Analysis Methodology. *The 27th Annual Richard J. and Martha D. Denman Undergraduate Research Forum*, The Ohio State University, March 8, 2022.

Goldsmith C, Agnew AM, **Harden AL**. Preliminary Investigation of the Relationship between Mineralization and Bone Mineral Density in the Tibia. *The 27th Annual Richard J. and Martha D. Denman Undergraduate Research Forum*, The Ohio State University, March 8, 2022.

**Harden AL**, Kang YS, Hunter RL, Bendig A, Bolte JH IV, Eckstein N, Smith AGF, Agnew AM. Variability in Fracture Force and Cross-sectional Geometry between Male and Female Tibiae in Lateral Impacts. *The 16<sup>th</sup> Annual Injury Biomechanics Symposium*, The Ohio State University, May 23–25, 2021.

Fye NM, **Harden AL**, Agnew AM. Utilizing Geographic Information Systems to Analyze Histomorphometry in the Human Clavicle. *The 26<sup>th</sup> Annual Denman Forum*, The Ohio State University, April 5–9, 2021.

Goldsmith C, **Harden A**, Agnew A. Tibia Ashing: Determination of Inorganic Bone Content. *Spring Undergraduate Research Festival*, The Ohio State University, Columbus, Ohio, March 2021.

**Harden A**. Skeletal Trauma: Interdisciplinary Method and Applications. *Health and Rehabilitation Sciences Grand Rounds*, The Ohio State University, February 19, 2021.

Fye N, **Harden A**, Agnew A. Preliminary Investigation of Age-Related Changes in Clavicular Cortical Area by Sex. *Fall Undergraduate Research Festival*, The Ohio State University, Columbus, Ohio, October 2020.

McNulty R, **Harden A**, Agnew A. Prevalence of the Preauricular Sulcus in a Modern Sample visualized by Computed Tomography. Accepted for presentation at the *Spring Undergraduate Research Festival*, The Ohio State University, Columbus, Ohio, April 2020.

#### NATIONAL

**Harden AL**, Weisensee K. Improving Methods using Machine Learning and Databases in Forensic Anthropology. National Institute of Justice, Forensic Technology Center of Excellence, Webinar, December 5, 2023.

**Harden AL**. Forensic Anthropology: Methods, Analyses, Case Work, and Research. Purdue University, March 2023.

Goldsmith C, **Harden A**, Agnew A. Preliminary Investigation of Bone Mineralization and its Role in Tibia Fracture Risk. *American Association of Physical Anthropologists 90<sup>th</sup> Annual Meeting*, COD Undergraduate Research Symposium, April 7, 2021.

**Harden A**, Agnew A. Experimental Skeletal Trauma Research in Forensic Anthropology. *National Institute of Justice Forensic Science Research and Development Symposium*, *American Academy of Forensic Sciences 73<sup>rd</sup> Annual Scientific Meeting*, February 16, 2021.

McNulty R, Fye N, **Harden A**, Agnew A. Differences in Clavicular Osteon Circularity Between Young and Old Males. *American Association of Physical Anthropologists 88<sup>th</sup> Annual Meeting*, COD Undergraduate Research Symposium, Cleveland, Ohio, March 27, 2019.

Cruz S, **Khalil A**, Mantie J, Reynaga R. Forensic Anthropology: Current Student Perspectives into Graduate Study. *Rose Tyson 20<sup>th</sup> Seminar in the Forensic Sciences*. San Diego, California, September 28, 2013.

#### GRANTS AND FUNDING

---

|      |  |           |
|------|--|-----------|
| 2024 | Honda Development and Manufacturing of America, LLC<br><i>Crash Analysis and Injury Research</i><br>March 2024–September 2025<br>Principal Investigator  | \$25,000  |
| 2024 | Honda Motor Co., Ltd. and Honda Development and Manufacturing of America, LLC.<br><i>Fatal Crash and Injury Analysis</i><br>March 2024–March 2025<br>Principal Investigator  | \$139,000 |
| 2024 | Undergraduate Research Access Innovation Seed Grant<br>The Ohio State University<br><i>Undergraduate Advanced Research and Experiential Training in Forensic Science</i><br>January 2024–December 2024<br>Principal Investigator | \$9,313   |
| 2024 | Ohio Department of Public Safety<br><i>Fatal Crash and Injury Database</i><br>January 2024–December 2026<br>Principal Investigator   | \$412,559 |
| 2024 | Ohio Department of Public Safety<br><i>Traffic Crash Report Data Integrity and Accuracy Initiative</i><br>January 2024–December 2026<br>Principal Investigator   | \$237,935 |
| 2024 | National Institute of Justice<br><i>Quantitative Assessment of Fracture Characteristics in Blunt-Force Skeletal Trauma for Forensic Interpretations</i><br>January 2024–December 2026<br>Principal Investigator                  | \$818,057 |

|      |  |           |
|------|--|-----------|
| 2023 | Honda Development and Manufacturing of America, LLC<br><i>Retrospective Honda Crash and Injury Research – Crash Research Network</i><br>April 2023–March 2024<br>Principal Investigator  | \$82,398  |
| 2022 | Honda Development and Manufacturing of America, LLC<br><i>Retrospective Honda Crash and Injury Research – Crash Research Network</i><br>September 2022–March 2023<br>Principal Investigator  | \$97,500  |
| 2021 | The Center for Child Injury Prevention Studies (CChips)<br><i>Understanding Sources of Disparities in Child Restraint System Behaviors</i><br>May 2021–April 2022<br>Co-Investigator   | \$40,272  |
| 2019 | National Institute of Justice<br><i>Skeletal Trauma in Forensic Anthropology: Improving the Accuracy of Trauma Analysis and Expert Testimony</i><br>January 2020–December 2022<br>Co-Investigator  | \$782,183 |
| 2019 | Forensic Sciences Foundation – Field Research Grant<br><i>Quantification and Assessment of Microstructural Variables and Relationships with Fracture Characteristics in Human Tibiae</i><br>January 2020–February 2022<br>Principal Investigator | \$1,400   |
| 2021 | Society of Forensic Anthropologists Atlas Grant  |           |
| 2020 | Career Development Grant at The Ohio State University  |           |
| 2019 | Career Development Grant at The Ohio State University  |           |
| 2019 | International Research Council on Biomechanics of Injury Toyota Travel Grant   |           |
| 2018 | Forensic Sciences Foundation Student Travel Grant  |           |
| 2017 | International Research Council on Biomechanics of Injury Travel Grant  |           |

#### PROFESSIONAL EXPERIENCE

---

|              |   |
|--------------|---|
| 2021–Present | The Ohio State University<br><i>Research Assistant Professor</i>  |
| 2018–2021    | The Ohio State University<br><i>Laboratory Manager – Skeletal Biology Research Laboratory</i><br><i>Undergraduate Student Coordinator – Injury Biomechanics Research Center</i> |
| 2017–2018    | The Ohio State University<br><i>Graduate Research Associate</i>   |
| 2016–Present | Local, State, and Federal Agencies<br><i>Forensic Anthropologist Consultant</i><br>Franklin County Forensic Science Center, Ohio  |



|           |  |
|-----------|--|
|           | Montgomery County Coroner's Office, Ohio   |
|           | Ohio Bureau of Criminal Investigation, Ohio  |
|           | Delaware County Coroner's Office, Ohio   |
|           | Scioto County Coroner's Office, Ohio   |
|           | U.S. Secret Service, Westerville Division of Police, Ohio  |
|           | Ottawa County Coroner's Office, Ohio   |
|           | Pike County Sheriff's Office, Mississippi  |
|           | Shawnee Township Police Department, Ohio   |
|           | Ross County Coroner's Office, Ohio   |
|           | Manchester Police Department, Ohio   |
|           | Allen County Coroner's Office, Ohio  |
|           | Columbiana County Coroner's Office, Ohio   |
| 2014–2020 | Defense POW/MIA Accounting Agency<br><i>ORISE Research Fellow/Forensic Anthropologist</i>  |
| 2014–2014 | Joint POW/MIA Accounting Command Central Identification Laboratory<br><i>Forensic Anthropology Intern</i>  |
| 2013–2014 | Los Angeles County Department of Medical Examiner-Coroner<br><i>Forensic Anthropology Intern</i><br><i>Member of the Special Operations Response Team (SORT)</i> |
| 2013–2014 | Los Angeles County Department of Medical Examiner-Coroner<br><i>Volunteer in the SEM and Toolmark Analysis Laboratory</i>  |

#### **PROFESSIONAL DEVELOPMENT**

---

|      |  |
|------|--|
| 2023 | <i>Qualifications of an Expert Witness for Legal Professionals: Part II: The Frye Standard</i><br>Forensic Technology Center of Excellence; National Institute of Justice, U.S.\ Department of Justice<br>Webinar – October 25, 2023 |
| 2023 | <i>Qualifications of an Expert Witness for Legal Professionals: Part I: The Daubert Standard</i><br>Forensic Technology Center of Excellence; National Institute of Justice, U.S.\ Department of Justice<br>Webinar – August 3, 2023 |
| 2023 | <i>Crime Scene Photography – 06-709-23-02</i><br>Ohio Peace Officer Training Academy<br>London, Ohio – May 8–12, 2023  |
| 2022 | <i>Forensic Fractography of Bone: A New Model for Skeletal Trauma Analysis</i><br>Forensic Technology Center of Excellence and the Society of Forensic Anthropologists<br>Webinar – November 2, 2022                                 |
| 2022 | <i>Medicolegal Death Investigations Conference</i><br>Franklin County Forensic Science Center<br>Columbus, Ohio – October 14, 2022   |
| 2022 | <i>Forensic Postmortem Radiology: Crossing the Border between Radiology and Pathology</i><br>American Academy of Forensic Sciences Workshop  |

- Seattle, Washington
- 2022 *Perimortem Trauma: Timing is Everything*  
Paleopathology Association  
Webinar – January 26, 2022
- 2022 *2022 Firearm and Toolmarks Policy and Practice Forum*  
National Institute of Justice  
Virtual – January 11–14, 2022
- 2021 *49<sup>th</sup> National Highway Traffic Safety Administration Workshop*  
Human Subjects for Biomechanical Research  
Webinar – October 26–27, 2021
- 2020 *48<sup>th</sup> National Highway Traffic Safety Administration Workshop*  
Human Subjects for Biomechanical Research  
Webinar – October 27–28, 2020
- 2020 *AIS15 and Injury Scaling: Uses and Techniques*  
Association for the Advancement of Automotive Medicine  
4-week online course
- 2020 *The Science Behind Traffic Accident Reconstruction with Real-World Crashes*  
American Academy of Forensic Sciences Workshop  
Anaheim, California
- 2020 *Managing Trauma: Concise Descriptions with Clear Interpretations*  
Defense POW/MIA Accounting Agency  
Offutt AFB, Nebraska
- 2019 *Interpreting Blunt Force Injuries in Bone: A Hands-On Approach*  
American Academy of Forensic Sciences Workshop  
Baltimore, Maryland
- 2016 *From the Ashes – Transforming the Response to Mass Disasters*  
American Academy of Forensic Sciences Workshop  
Las Vegas, Nevada
- 2015 *RADid: Using Radiologic Technologies to Identify Unknown Decedents*  
American Academy of Forensic Sciences Workshop  
Orlando, Florida
- 2015 *Mass Fatality Incidents: An Integrated Approach*  
American Academy of Forensic Sciences Workshop  
Orlando, Florida
- 2013 *Analysis of Bone Trauma and Pseudo-Trauma in Suspected Violent Deaths*  
Mercyhurst University  
Erie, Pennsylvania
- 2012 *Sanisera Bioarchaeology/Forensic Anthropology Field School*  
Menorca, Spain
- 2010 *Remote Sensing Workshop*  
Texas A&M University  
East Beach, Galveston, Texas

---

**DIVERSITY, EQUITY, INCLUSION, JUSTICE, AND BELONGING**

- 2024 *Impact of the Supreme Court's College Admissions Opinion*  
Office of Legal Affairs, The Ohio State University

- 2023      Virtual – January 19, 2024  
*Social Identity 101*  
 DEI Education Workshop, The Ohio State University  
 Virtual – June 28, 2023
- 2022      *Navigating Difficult DEI Conversations*  
 DEI Education Workshop, The Ohio State University  
 Virtual – November 8, 2022

---

**INSTRUCTOR AND MENTOR DEVELOPMENT**


---

- 2022      *Communication Skills to Build Trainee Resilience*  
 National Institute of Health: Office of Intramural Training and Education  
 Virtual – November 9, 2022
- 2022      *Peer Instruction: A Strategy for Evidence-Based Teaching*  
 The Michael V. Drake Institute for Teaching and Learning  
 Virtual – September 29, 2022
- 2022      *On Mentoring and Un-Teaching in Anthropology*  
 American Association of Biological Anthropology  
 Webinar – January 21, 2022
- 2022      *Optimizing the Practice of Mentoring 101: For Research Mentors of Graduate Students, Fellows, and Early-Career Faculty*  
 National Research Mentoring Network  
 University of Minnesota Clinical and Translational Science Institute  
 Online – January 21, 2022

---

**INSTRUCTOR EXPERIENCE AND COURSE/PROGRAM DEVELOPMENT**


---

- 2023      Identification, Analysis, and Interpretation of Blunt-Force Skeletal Trauma, Orlando, Florida  
*Chair*  
 Workshop at the American Academy of Forensic Sciences 75<sup>th</sup> Annual Scientific Meeting, February 14, 2023
- 2023      The Ohio State University, Columbus, Ohio  
 ANTHROP 5644: *Forensic Anthropology*
- 2022      The Ohio State University, Columbus, Ohio  
 ANTHROP 3211: *Introduction to Forensic Science*  
 ANTHROP 5644: *Forensic Anthropology*
- 2022      Ohio State Coroners Association  
 Regional Meeting - Marysville, Ohio  
*Instructor*  
 Human vs Non-Human Bone Identification
- 2021      Ohio Department of Natural Resources, Columbus, Ohio  
*Instructor*  
 Human Bone Identification and Forensic Aspects of Human Remains
- 2020      Injury Biomechanics: An Interdisciplinary Approach and Forensic Applications, Anaheim, California

- Co-Chair*
- Workshop at the American Academy of Forensic Sciences 72<sup>nd</sup>  
Annual Scientific Meeting, February 18, 2020
- 2019–current Ohio Peace Officer Training Academy (OPOTA), London, Ohio
- Instructor*
- Forensic Aspects of Death, Course 06-175-19-01
- 2018 The Ohio State University, Columbus, Ohio
- Guest Lecturer – Department of Anthropology*
- Course: Practical Training in Forensic Anthropology
- 2013 California State University, Los Angeles
- Graduate Teaching Assistant*
- Methods and Techniques of Physical Anthropology  
-Human Osteology (2012 and 2013)  
-Introduction to Forensic Anthropology
- 2013 Los Angeles County Department of Medical Examiner-Coroner
- Instructor*
- Skeletal Recovery, POST Certified Course 1810-20446-13-001
- 2013 California State University, Los Angeles
- Instructor and Organizer of Mammalian Maceration Workshop*
- Course Modification Proposals - California State University, Los Angeles
- Anthropology 2600 - Physical Anthropology*  
*Anthropology 3610 - Race, Racism, and Human Variation*  
*Anthropology 4590 - Human Osteology*  
*Anthropology 4600 - Human Evolution*  
*Anthropology 5640 - Advanced Osteology*

#### **HONORS, AWARDS, AND SCHOLARSHIPS**

---

- 2023 Best Presentation of Session – International Research Council on Biomechanics of Injury, Session S1-8: Vulnerable Road Users
- 2023 American Association of Biological Anthropologists Student Presentation Award  
Honorable Mention  
Goden CM, Brzezinski ET, Agnew AM, Harden AL (2023). Accuracy and Observer Agreement in the Determination of Trauma Timing in Human Ribs.
- 2023 The Ellis R. Kerley Research Award  
Cole ME, Agnew AM, McAdow S, Goldsmith C, Harden AL. (2023). Preliminary Investigation of Relationships between Cortical Porosity and Fracture Type in Human Tibiae.
- 2021 Best Presentation of Session – International Research Council on Biomechanics of Injury, Session S1-6: Tissue Mechanics
- 2021 Excellence in Undergraduate Research Mentoring, Undergraduate Research and Creative Inquiry, The Ohio State University
- 2021 Graduate Associate Performance Award, The Graduate School, The Ohio State University
- 2019 John Paul Stapp Award – Best Paper of the 62<sup>nd</sup> Stapp Car Crash Conference
- 2019 Best Presentation of Session – International Research Council on Biomechanics of

|      |  |
|------|--|
|      | Injury, Session S2-2: Tissue Biomechanics          |
| 2016 | University Fellowship at The Ohio State University |
| 2014 | David Miller Anthropology Scholarship              |
| 2013 | Emeriti Fellowship                                 |
| 2013 | David Miller Anthropology Scholarship              |
| 2010 | Marine Technology Society Scholarship              |
| 2010 | TAMUG Academic Scholarship                         |

## **ADVISING AND MENTORING**

---

### *Doctoral Students*

|              |  |
|--------------|--|
| 2021–present | Christopher M. Goden – Doctoral co-advisor<br>Health and Rehabilitation Sciences, The Ohio State University<br>Columbus, Ohio, USA |
|--------------|--|

### Grants and Awards

*Career Development Grant*, The Ohio State University (2023)  
*Honorable Mention*, American Association of Biological Anthropologists Student Award (2023)  
*Forensic Science Foundation Travel Grant Award*, American Academy of Forensic Sciences (2022)

### *Undergraduate Students*

|              |   |
|--------------|---|
| 2023–Current | Julia McGinley – Research advisor<br>Forensic Anthropology, Department of Anthropology, The Ohio State University |
|--------------|---|

|           |  |
|-----------|--|
| 2022–2023 | Savannah McAdow – Research advisor<br>Anthropological Sciences, Department of Anthropology, The Ohio State University<br>Columbus, Ohio, USA |
|-----------|--|

### Grants and Awards

*Undergraduate Research Scholarship*, College of Arts and Sciences, The Ohio State University (2023)

|           |  |
|-----------|--|
| 2021–2022 | Carla Goldsmith – Research advisor<br>Biomedical Sciences, College of Medicine, The Ohio State University<br>Columbus, Ohio, USA |
|-----------|--|

### Grants and Awards

*Undergraduate Research Apprentice Program Recipient*, Office of Undergraduate Research and Creative Inquiry, The Ohio State University (2021)  
*American Association of Biological Anthropology's Pollitzer Student Travel Award* (2022)

|           |   |
|-----------|---|
| 2021–2022 | David Stamper – Research co-advisor<br>Health and Rehabilitation Sciences, The Ohio State University<br>Columbus, Ohio, USA |
|-----------|---|

Grants and Awards*Undergraduate Research Scholarship*

Health and Rehabilitation Sciences, The Ohio State University

**SERVICE AND OUTREACH**

---

|              |  |
|--------------|--|
| 2023–Current | American Academy of Forensic Sciences Standards Board<br><i>Member – Anthropology Consensus Body</i>   |
| 2023–Current | Ohio Traffic Safety Office, Ohio Department of Public Safety<br><i>Member – Pedestrian Safety Subcommittee</i>   |
| 2023–Current | Ohio Mortuary Operational Response Team (OMORT)<br><i>Member – Forensic Anthropologist</i>   |
| 2023–Current | Department of Public Safety<br><i>Member – Ohio Traffic Safety Council Occupant Protection Subcommittee – Safety Belt Task Force</i>   |
| 2023–2024    | American Association of Biological Anthropologists<br><i>Scientific Program Committee Member for 2023–2024</i>   |
| 2023         | Franklin County Safe Communities: Sober Driving Advocacy<br><i>Volunteer – COSI After Dark</i>   |
| 2023         | Denman Undergraduate Research Forum<br><i>Reviewer – Health Under the Microscope</i>   |
| 2023         | American Academy of Forensic Sciences<br><i>Moderator – Aspects of the Biological Profile III: Population Affinity</i>   |
| 2023–Current | Franklin County Safe Communities – Traffic Fatality Review Board<br><i>Member</i>  |
| 2023–Current | Franklin County Safe Communities Coalition<br><i>Member</i>  |
| 2022–2023    | American Association of Biological Anthropologists<br><i>Scientific Program Committee Member for 2022–2023</i>   |
| 2021–2022    | American Association of Biological Anthropologists<br><i>Scientific Program Committee Member for 2021–2022 Virtual Program</i><br><i>Scientific Program Committee Member for 2022 Annual Meeting</i> |
| 2020         | American Academy of Forensic Sciences<br><i>Sergeant-at-Arms – Annual Business Meeting &amp; Awards Ceremony</i>   |
| 2020         | American Academy of Forensic Sciences<br><i>Co-Moderator – Search and Recovery Protocols and Identification of Victims in Wildfires: Multidisciplinary Perspectives</i>                              |
| 2019         | Career Development Grant – 2019–2020 Funding Period 2<br><i>Judge – Council of Graduate Students, The Ohio State University</i>  |
| 2019–2020    | Anthropology Public Outreach Program<br><i>Volunteer</i>   |

**MANUSCRIPT REVIEWER**

---

|              |                          |
|--------------|--------------------------|
| 2023–Present | Legal Medicine (Journal) |
|--------------|--------------------------|

**MEMBERSHIPS/ASSOCIATIONS**

---

Society of Forensic Anthropologists, 2020–Present

American Academy of Forensic Sciences, Fellow, 2013–Present

American Association of Biological Anthropologists, 2012–Present