

CAROLYN V. ISAAC
Department of Anthropology
Michigan State University
East Lansing, MI 48824
P: 517.432.6251
cvisaac@msu.edu

EDUCATION

Ph.D., Anthropology, Michigan State University, East Lansing, Michigan	2009-2013
M.A., Anthropology, Michigan State University, East Lansing, Michigan	2007-2009
B.A., Anthropology, University of Arizona, Tucson, Arizona	2003-2007

APPOINTMENTS

Director, Michigan State University Forensic Anthropology Laboratory	2020-present
Assistant Professor, Department of Anthropology, Michigan State University	2019-present
Adjunct Professor Department of Pathology, Western Michigan University Homer Stryker M.D. School of Medicine	2019-present
Assistant Professor, Forensic Anthropologist Department of Pathology, Western Michigan University Homer Stryker M.D. School of Medicine, Medical Examiner's Office of Allegan, Barry, Berrien, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph and Van Buren Counties, Kalamazoo, Michigan	2014-2019
Adjunct Professor Department of Anthropology, Michigan State University, East Lansing, Michigan	2013-2014
Graduate Instructor Department of Anthropology, Michigan State University, East Lansing, Michigan	2012
Teaching Assistant Department of Anthropology, Michigan State University, East Lansing, Michigan	2008-2012
Pre-doctoral Forensic Anthropology Fellow Pima County Office of the Medical Examiner, Tucson, Arizona	2011

GRANTS

Submitted

National Institute of Justice

Jered B. Cornelison, **Carolyn V. Isaac**, Joseph A. Prahlow

The Histological Progression of Fracture Healing: Development of a Time Since Fracture Method.

1,079,867

Awarded

2021-present

Michigan State University Foundation's Strategic Partnership Grant

M. Eric Benbow, Todd W. Fenton, Joseph T. Hefner, **Carolyn V. Isaac**, Jennifer L. Pechal, Arun Ross, and Ruth Waddell Smith

Consortium for Integrated Forensic Applications, Collaborations, and Technology Systems (IFACTS): Machine Learning Methods for Death Investigation and Human Identification

\$479,454

2017-2020

National Institute of Justice, Award number: 2017-DN-BX-0166

Carolyn V. Isaac, Jered B. Cornelison, Joseph A. Prahlow

Investigations on the Cellular and Morphologic Characteristics of Cranial Vault Fracture: Research and Development of a Time Since Fracture Protocol and Database. Research project to develop a database of cranial vault fractures of known age with associated gross, radiographic, and histologic information for the documentation of histological environment at specified times and establishment of histologic phases of cranial fracture healing.

\$576,060

PUBLICATIONS

*Journal Articles (*Peer Reviewed)*

In Prep Cornelison JB, **Isaac CV**, Prahlow JA, Brown TT, Devota CJ. Histological Progression of Healing in the Cranium of a Juvenile: A Rare Longitudinal Assessment.

In Prep⁺ Spiros MC, Hefner JT, **Isaac CV**, Hunter B. Elder Abuse in Forensic Anthropology: A Case Study.

⁺Awaiting adjudication.

In Prep Armelli K, Dunn R, **Isaac C**. Body Donation Practices and Opinions.

In Review* Devota CJ, Kamnikar KR, Hefner JT, **Isaac CV**. A Unique Case of Hereditary Multiple Osteochondromas in the Feet. *Forensic Anthropology*.

- In Review* **Isaac CV**, Cornelison JB, Devota CJ, Shattuck BL, Castellani RJ. Unusual Blunt Force Trauma and Mechanism to the Cranial Vault: An Investigation of an Infant Homicide. *Journal of Forensic Sciences*.
- In Review* Duong T, Senti M, Le J, Tsao R, **Isaac CV**, Cornelison JB, Prahlow JA. Conventional Radiographic Examination for Forensic Pathology Death Investigation. *Forensic Imaging*.
- 2022* **Isaac CV**, Cornelison JB, Devota CJ, Bailey K, Langworthy J. 2022. A Method for the Development of Cranial Fracture Histology Slides. *Journal of Forensic Sciences*.
<https://doi.org/10.1111/1556-4029.15093>
- 2022* Armelli K, Christensen E, **Isaac C**, Cornelison J. 2022. Steam Kettle Skeletal Preparation: An Efficient Method for Processing Human Remains. *Forensic Anthropology*.
- 2022* Cornelison JB, **Isaac CV**, Devota CJ, Billian J, Brown TB, deJong JL, Douglas EA, Fisher-Hubbard AO, Lackey-Cornelison WL, Prahlow JA, Shattuck BL. 2022 A Comparison of Three Decalcification Agents for Assessments of Cranial Fracture Histomorphology. *Journal of Forensic Sciences*.
- 2022* **Isaac CV**, Cornelison JB, Prahlow JA, Devota CJ, Christensen ER. 2022. The Repository of Antemortem Injury Response (REPAIR): An Online Database for Skeletal Injuries of Known Ages. *International Journal of Legal Medicine*.
- 2019* Morgan LO, Johnson M, Cornelison J, **Isaac C**, deJong J, Prahlow JA. 2019. Two Novel Methods for Enhancing Postmortem Fingerprint Recovery from Mummified Remains. *Journal of Forensic Sciences* 64(2): 602-606.
- 2018* **Isaac CV**, Cornelison JB, Castellani RJ, deJong JL. 2018. A Unique Type of Birth Trauma Mistaken for Abuse. *Journal of Forensic Sciences* 63(2):602-607.
- 2018* Morgan LO, Johnson MC, Cornelison JB, **Isaac CV**, deJong JL, Prahlow JA. 2018. Autopsy Fingerprint Technique Using Fingerprint Powder. *Journal of Forensic Sciences* 63(1):262-265.
- 2014* **Isaac CV**, Cornelison JB, deJong JL. 2014. An Investigative Tool for Detecting Elder Abuse. *Academic Forensic Pathology* 4(4):524-531.
- 2012* Fujita M, Roth E, Lo Y, **Hurst C**, Vollner J, Kendell A. 2012. In Poor Families, Mothers' Milk is Richer for Daughters than Sons: A Test of Trivers-Willard Hypothesis in Agropastoral Settlements in Northern Kenya. *American Journal of Physical Anthropology* 149:52-59.

- 2012* **Hurst CV**. 2012. Morphoscopic Trait Expressions Used to Identify Southwest Hispanics. *Journal of Forensic Sciences* 57(4): 859-865.
- 2012* Fujita M, Roth EA, Lo Y, **Hurst C**, Vollner J, Kendell A. 2012. Low Serum Vitamin A Mothers Breastfeed Daughters More Often Than Sons in Drought-Ridden Northern Kenya: A Test of the Trivers-Willard Hypothesis. *Evolution and Human Behavior* 33(4): 357-364.
- 2010* Baumer TG, Nashelsky M, **Hurst CV**, Passalacqua NV, Fenton TW, Haut RC. 2010. Characteristics and Prediction of Cranial Crush Injuries in Children. *Journal of Forensic Sciences* 55(6).

Book Chapters (*Peer reviewed)

- 2020* Beatrice J, Fenton T, **Isaac C**, Jenny L, Wankmiller J, Mutolo M, Rauzi C, Foran D. 2020. The Human Skeletons from the Triconch Palace and the Merchant's House. In: Bowden W, editor. *Butrint 5: Life and Death at a Mediterranean Port: The Non-Ceramic Finds from the Triconch Palace*. Oxford: Oxbow Books.
- 2019 Soler A, **Isaac CV**, Beatrice J, Fenton TW. 2019. The Human Skeletons from Vrina Plain. In: Greenslade S, editor. *Butrint 6: Excavations on the Vrina Plain, Volume 2: The Finds*. Oxford: Oxbow Books.
- 2018 **Isaac CV**, Cornelison JB. 2018. The Practical Application of Forensic Anthropology. In: Biswas G, editor. *Recent Advances in Forensic Medicine and Toxicology*. New Delhi, India: Jaypee Brothers Medical Publishers Ltd.
- 2015 Fenton TW, **Hurst CV**, Vollner JM. 2015. L'analisi dei resti scheletrici umani. In: Arthur P, Leo Imperiale M, and Tinelli M, editors. *Apigliano: Un Villaggio Bizantino e Medievale in Terra D'Otranto*. Lecce, Italy: Progetto In-Cul.Tu.Re.
- 2013* **Hurst CV**, Soler A, Fenton TW. 2013. Personal Identification in Anthropology. In: Siegal JA and Saukko P, editors. *Encyclopedia of Forensic Sciences, 2nd Edition*. Elsevier.
- 2010 **Hurst CV**. 2010. A Test of the Forensic Application of Transition Analysis with the Pubic Symphysis In: Latham KE and Finnegan M, editors. *Age Estimation of the Human Skeleton*. Springfield, IL: Charles C Thomas.

Technical Reports

- 2021 **Isaac CV**, Cornelison JB, Prahlow JA, Devota CJ. 2021. Investigations on the Cellular and Morphologic Characteristics of Cranial Vault Fracture: Research and Development of a Time Since Fracture Protocol and Database. Report Number: NJC Number 301143. National Institute of Justice, U.S. Department of Justice, Washington, D.C.

PRESENTATIONS

Invited National Meeting Presentations

- 2022 **Isaac CV**, Cornelison JB. 2022. The Repository for Antemortem Injury Response (REPAIR): An Online Database for Skeletal Injuries of Known Age. Presented February 23 at the 2022 Annual Meeting of the Society of Forensic Anthropologists, Seattle, WA, February 23, 2022.
- 2016 **Isaac CV**. 2016. Utilizing Paleopathology Techniques to Detect Childhood Neglect in Forensic Cases. Poster presented April 16, 2016, at the American Association of Physical Anthropologists 85th Annual Meeting, Atlanta, GA, April 13-16, 2016. Invited poster symposium “Towards a Holisitc Forensic Anthropology.”
- 2013 **Hurst CV**, Soler A, Fenton TW. 2013. Life and Death in a Medieval Nubian Farming Community at the Fourth Cataract: An Example from Mis Island. Poster presented April 12 at the American Association of Physical Anthropologists 82nd Annual Meeting, Knoxville, TN, April 9-13, 2013. Invited poster symposium “Advances in the Bioarchaeology of Nubia and Central Sudan.”
- 2013 Soler A, **Hurst CV**, Fenton TW. 2013. Early to Late Christian Burial Practices at Mis Island: Religious Commnity and the Concept of Identity. Poster presented April 12 at the American Association of Physical Anthropologists 82nd Annual Meeting, Knoxville, TN, April 9-13, 2013. Invited poster symposium “Advances in the Bioarchaeology of Nubia and Central Sudan.”
- 2012 Beatrice J, **Hurst CV**, Fenton TW. 2012. Was Juvenile Scurvy Endemic at Butrint, Albania?. Poster presented April 13 at the American Association of Physical Anthropologists 81st Annual Meeting. Portland, OR, April 11-14, 2012. Invited poster symposium “From the Collagen Up: A Look at Scurvy Past and Present.”

National/International Meetings

- 2022 Goots A, **Isaac C**, Fenton T. 2022. When a Reanalysis Changes Everything: A Cold Case Study of a Possible Gender-Variant Individual. Presented February 24 at the American Academy of Forensic Sciences 74th Annual Meeting, Seattle, WA, February 21-25.
- 2022 Armelli K, Dunn R, **Isaac C**. 2022. Understanding Skeletal and Body Donation in Forensic Anthropology: Development and Procedures. Presented February 23 at the American Academy of Forensic Sciences 74th Annual Meeting, Seattle, WA, February 21-25.
- 2020 **Isaac CV**, Cornelison JB, Prahlow JA. 2020. The Repository of Antemortem Injury Response (REPAIR): An Invaluable Online Resource for Known Age Fractures for Comparison and Research. Presented February 21 at the American Academy of Forensic Sciences 72nd Annual Meeting, Anaheim, CA, February 17-22.

- 2020 Cornelison JB, **Isaac CV**, Lackey-Cornelison WL, Shattuck B, deJong JL, Fisher-Hubbard AO, Brown TT, Douglas EA, Prahlow JA. The Histomorphology of Cranial Fracture Healing: Preliminary Observations. Presented February 21 at the American Academy of Forensic Sciences 72nd Annual Meeting, Anaheim, CA, February 17-22.
- 2020 St. Louis H, Cornelison JB, **Isaac CV**, Brown TT. Homicide by Unspecified Means: The Importance of a Forensic Pathologist and Anthropologist Teamwork Approach in Death Scene Investigation and Postmortem Analysis. Presented February 21 at the American Academy of Forensic Sciences 72nd Annual Meeting, Anaheim, CA, February 17-22.
- 2020 Armelli K, **Isaac CV**, Wankmiller J, Smith RE. 2020. Lost and Found: Forensic Anthropology and the Recovery of a 21-Year-Old Plane Crash. Presented February 20 at the American Academy of Forensic Sciences 72nd Annual Meeting, Anaheim, CA, February 17-22.
- 2020 Armelli K, Cornelison JB, **Isaac CV**. 2020. Skeletal Preparation Using a Modified Steam Kettle: A Fast, Easy, and Low-Maintenance Method for Processing Human Remains. Presented February 20 at the American Academy of Forensic Sciences 72nd Annual Meeting, Anaheim, CA, February 17-22.
- 2019 Woodcock J, Lackey-Cornelison W, **Isaac C**. 2019. Engaging Students through Active Learning and Peer Teaching in a Prosection-Based Anatomy Lab. Presented April 8 at the American Association of Anatomists section of Experimental Biology 2019, Orlando, FL, April 6-9.
- 2019 **Isaac CV**, Cornelison JB, Prahlow JA. 2019. The Histomorphology of Cranial Fracture Healing: Case Examples. Presented February 22 at the American Academy of Forensic Sciences 71st Annual Meeting, Baltimore, MD, February 18-23.
- 2019 Cornelison JB, **Isaac CV**, Prahlow JA. 2019. A Comparison of Three Methods for Assessment of Bone Decalcification Time and Quality of Histological Slides for Cranial Fracture Healing Investigation. Presented February 22 at the American Academy of Forensic Sciences 71st Annual Meeting, Baltimore, MD, February 18-23.
- 2019 Smith, RE, **Isaac CV**, Cornelison JB, Wankmiller J. 2019. Estimation of Juvenile Age at Death Using Anterior-Posterior (AP) Radiographs of the Knee. Presented February 22 at the American Academy of Forensic Sciences 71st Annual Meeting, Baltimore, MD, February 18-23.
- 2018 Shattuck B, **Isaac CV**, Shahid SA, Pechal JL. 2018. Partially Skeletonized Remains Demonstrating Dragging Injuries, Internal Beveling of the Skull, and Tracheal Obstruction: A Team Approach. Presented February 23 at the American Academy of Forensic Sciences 70th Annual Meeting, Seattle, WA, February 19-24.

- 2018 Wysozan T, **Isaac CV**, Cornelison JB, Prahlow JA. 2018. Cranial Abnormalities Seen at Autopsy. Poster presented February 23 at the American Academy of Forensic Sciences 70th Annual Meeting, Seattle, WA, February 19-24.
- 2018 Morgan L, Johnson M, Cornelison JB, **Isaac CV**, deJong JL, Prahlow JA. 2018. Methods for Optimizing Postmortem Fingerprint Recovery From Mummified Fingers. Poster presented February 21 at the American Academy of Forensic Sciences 70th Annual Meeting, Seattle, WA, February 19-24.
- 2018 Duong TB, Tsao R, Spotswood S, **Isaac CV**, Cornelison JB, Prahlow JA. 2018. Forensic Radiology in Medicolegal Autopsy Practice. Poster presented February 21 at the American Academy of Forensic Sciences 70th Annual Meeting, Seattle, WA, February 19-24.
- 2017 **Isaac CV**, Cornelison JB, Prahlow JA. 2017. The Challenges of Comparative Radiography in the Developing Skeleton. Presented February 17 at the American Academy of Forensic Sciences 69th Annual Meeting, New Orleans, LA, February 13-18, 2017.
- 2017 Morgan L, Johnson M, Cornelison JB, **Isaac CV**, deJong JL, Prahlow JA. 2017. An Autopsy Fingerprint Technique Using Fingerprint Powder. Poster presented February 15 at the American Academy of Forensic Sciences 69th Annual Meeting, New Orleans, LA, February 13-18, 2017.
- 2016 **Isaac CV**, Cornelison JB, deJong JL. 2016. A Unique Type of Birth Trauma Mistaken for Abuse. Presented February 25 at the American Academy of Forensic Sciences 68th Annual Meeting, Las Vegas, NV, February 22-27, 2016.
- 2016 Cornelison JC, **Isaac CV**, Shattuck BL, deJong JL. 2016. Unusual Blunt Force Trauma to the Cranial Vault: Investigation of an Atypical Infant Abuse/Homicide. Presented February 25 at the American Academy of Forensic Sciences 68th Annual Meeting, Las Vegas, NV, February 22-27, 2016.
- 2014 **Isaac CV**, Cornelison JB, deJong JL. 2014. An Investigative Tool for Detecting Elder Abuse. Presented September 22 at the National Association of Medical Examiner's 2014 Annual Meeting, Portland, OR, September 19-23, 2014.
- 2013 Vollner, JM, **Hurst CV**, Fenton TW. 2013. Health of the Medieval Peasants of Southern Italy. Poster presented at the 40th Meeting of the Paleopathology Association, Knoxville, Tennessee, April 9-10, 2013.
- 2012 Soler A, **Hurst CV**. 2012. The Mis Island Medieval Nubian Skeletal Collection. Poster presented April 12 at the American Association of Physical Anthropologists 81st Annual Meeting. Portland, OR, April 11-14, 2012.

- 2012 Vollner JM, **Hurst CV**, Fenton TW. 2012. Mortuary Practices of a Medieval Cemetery in Southern Italy. Poster presented April 12 at the American Association of Physical Anthropologists 81st Annual Meeting. Portland, OR, April 11-14, 2012.
- 2010 Beatrice J, **Hurst CV**, Fenton TW 2010. Skeletal evidence for widespread juvenile scurvy at Butrint, Albania. Poster presented April 14 at the American Association of Physical Anthropologists 79th annual meeting. Albuquerque, NM, April 14-16, 2010.
- 2009 **Hurst CV**. 2009. Nonmetric Trait Expressions of Undocumented Border Crossers of Southwest Hispanic Descent. Presented at the American Academy of Forensic Sciences 61st Annual Meeting, Denver, CO, February 16-21, 2009.
- 2009 Nashelsky M, Fenton TW, **Hurst CV**, Passalacqua NV, Baumer TG, Haut RC. 2009. Cranial Fracture Patterns in Pediatric “Crushing” Injuries and Preliminary Biomechanical Modeling Using a Simple Finite Element Model. Poster presented at the American Academy of Forensic Sciences 61st Annual Meeting, Denver, CO, February 16-21, 2009.
- 2009 Anderson BE, Smith TR, Birkby WH, Fenton TW, **Hurst CV**, Gordon CC. 2009. Differentiating Between Foreign National Hispanics and US Hispanics in the Southwest: The Influence of Socioeconomic Status on Dental Health and Stature. Poster presented at the American Academy of Forensic Sciences 61st Annual Meeting, Denver, CO, February 16-21, 2009.
- 2008 **Hurst CV**. 2008. Transition Analysis: Forensic Application of a New Symphyseal Aging Technique. Poster presented April 11 at the American Association of Physical Anthropologists 77th Annual Meeting, Columbus, OH, April 10-12, 2008.

Local/Regional Meetings

- 2020 **Isaac C**. 2020. The Repository for Antemortem Injury Response (REPAIR): An Invaluable Online Resource of Known Age Fractures for Comparison and Research. Presented February 7 at the 5th Annual Graduate Student Research Symposium, East Lansing, MI, February 7, 2020.
- 2020 **Isaac C**. 2020. Using Bones to Time Travel. Presented February 3 at the Sharper Focus/Wider Lens: Traveling Through Time Symposium, East Lansing, MI, February 3, 2020.
- 2019 **Isaac C**. 2019. Forensic Anthropology Contributions to an Unidentified Homicide. Presented October 19 at the 9th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 18-19, 2019.
- 2019 Twork K, Smith R, Wankmiller J, Cornelison J, **Isaac C**, Armelli K. 2019. Juvenile Age Determination Using Ratios Based on Measurements of the Knee from A-P

Radiographs, Part II: Exploring the Effect of Sex on Ratios. Presented October 19 at the 9th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 18-19, 2019.

- 2019 **Isaac C**, Cornelison J, Christensen E. 2019. The Repository for Antemortem Injury Response (REPAIR): An Online Reference of Known Time Since Fractures. Presented October 18 at the 9th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 18-19, 2019.
- 2019 Steinsultz K, **Isaac C**. 2019. Radiology in Mass Disasters. Presented September 19 at the Michigan Society of Radiologic Technologists 64th Annual Meeting, Bay City, MI, September 18-20.
- 2018 Cornelison J, **Isaac C**, Prahlow J. 2018. Preliminary Observations for the Histology of Fracture Healing. Presented October 20 at the 8th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 19-20, 2018.
- 2018 Armelli K, Draft D, Cornelison J, **Isaac C**. 2018. Multiple Fatality Fire Identification: A Case Review. Presented October 19 at the 8th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 19-20, 2018.
- 2018 **Isaac C**, Armelli K, Draft D. 2018. Fragmentary Remains: The Skeletal Analysis of a Twenty-One-Year-Old Plane Crash. Presented October 19 at the 8th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 19-20, 2018.
- 2018 Wankmiller J, Smith R, Armelli K, **Isaac C**. 2018. Lost and Found: The Recovery of Remains from a Twenty-One-Year-Old Plane Crash. Presented October 19 at the 8th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 19-20, 2018.
- 2017 **Isaac CV**. 2017. A Unique Trauma Mechanism in Mummified Remains. Presented October 20 at the 7th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 20-21, 2017.
- 2017 Cornelison JB, **Isaac CV**. 2017. Histological Investigation of Healing Cranial Vault Trauma. Presented October 21 at the 7th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 20-21, 2017.
- 2017 Roush B, **Isaac C**, Whelham N, Le K, Kohler E, Bermeo M, deJong J, Prahlow J, Vos D. 2017. Retrospective Analysis of the Efficacy of the Vulnerable and Elderly Assessment Tool. Presented May 2 at the 35th Annual Kalamazoo Community Medical and Health Sciences Research Day, Kalamazoo, MI, May 2, 2017.

- 2016 Cornelison JB, **Isaac CV**. 2016. Systematic Location and Recovery of Human Remains in Outdoor Contexts. Presented November 5 at the Michigan Association of Medical Examiners 2016 Annual Conference, Mt. Pleasant, MI, November 4-6, 2016.
- 2016 **Isaac CV**, Cornelison JB. 2016. Two Multiple Fatality Events in Kalamazoo. Presented October 29 at the 6th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 28-29, 2016.
- 2016 Leah VA, Watson, EO, Fenton TW, Cornelison JB, **Isaac CV**. 2016. The Game is Afoot. Presented October 28 at the 6th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 28-29, 2016.
- 2016 Cornelison JB, **Isaac CV**. 2016. Outdoor Recovery, Analysis, and Positive Identification of Skeletal Remains from Northern Indiana. Presented October 29 at the 6th Annual Meeting of the Forests, Lakes, and Grasslands (FLAG) Forensic Anthropologists, Roscommon, MI, October 28-29, 2016.
- 2015 **Isaac CV**, Cornelison JB, deJong JL. 2015. How to Screen for Elder Abuse. Presented October 24 at the Michigan Association of Medical Examiners 2015 Annual Conference, Mt. Pleasant, MI, October 23-26, 2015.
- 2015 Cornelison JB, **Isaac CV**, Shattuck BL, deJong JL. 2015. Infant Skull Fractures – Two Case Reports. Presented October 24 at the Michigan Association of Medical Examiners 2015 Annual Conference, Mt. Pleasant, MI, October 23-26, 2015.
- 2015 **Isaac CV**, Cornelison JB. 2015. Forensic Anthropology at WMed. Presented September 25 at the Fifth Annual Forests, Lakes, and Grasslands Regional Conference, Roscommon, MI, September 25-26, 2015.
- 2011 **Hurst CV**, Soler A. 2011. Forensic Anthropology and Border Crossing Work at the Pima County Office of the Medical Examiner. Presented at the First Annual Forests, Lakes, and Grasslands Regional Conference, Roscommon, MI, October 28-29, 2011.
- 2011 Vollner JM, **Hurst CV**, Fenton TW. 2011. The People of Medieval Apigliano. Poster presented at the Third Annual Michigan State University Graduate Academic Conference. East Lansing, MI, March 25, 2011.
- 2009 **Hurst CV**. 2009. Nonmetric Trait Expressions Used to Identify Southwest Hispanics in Forensic Anthropology. Poster presented at the 1st annual Michigan State University Graduate Academic Conference. East Lansing, MI.

2007 **Hurst CV.** 2007. Transition Analysis: A Better Skeletal Aging Technique? Presented at the Mountain, Desert, and Coastal Annual Forensic Anthropology Meeting. Lake Mead, NV.

HONORS AND AWARDS

Top Downloaded Article 2017-2018 in Journal of Forensic Sciences	2019
2018 Excellence in Discovery Award for Highest Departmental Funding in 2017 (Western Michigan University)	2018
Kerley Scholarship (Ellis R. Kerley Forensic Sciences Foundation)	2012
Scholar Award (P.E.O)	2012
University Distinguished Fellowship (Michigan State University)	2007-2012
Research Enhancement Award (Michigan State University)	2010
Travel Grant (Forensic Sciences Foundation)	2009
Research Travel Award (Michigan State University)	2008
William Shirley Fulton Scholarship (University of Arizona)	2006
National Merit Finalist Award (University of Arizona)	2003-2007

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

American Academy of Forensic Sciences	2007-present
American Association of Biological Anthropologists	2007-present
Michigan Mortuary Team	2010-present
Disaster Assistance Recovery Team	2010-present

EDUCATIONAL ACTIVITIES

Teaching Activities

ANP 844: Topics in Forensic Anthropology: Laboratory Methods, Course Director, Michigan State University	2019-present
ANP 440: Hominid Fossils, Course Director Michigan State University	2021-present
ANP 441: Osteology and Forensic anthropology, Course Director Michigan State University	2020-present
ANP 844: Topics in Forensic Anthropology: Personal Identification In Forensic Anthropology, Course Director, Michigan State University	2019-present
Forensic Anatomy, Anatomy Instructor Western Michigan University Homer Stryker M.D. School of Medicine	2017-2019
Molecular Foundations, Anatomy Instructor. Western Michigan University Homer Stryker M.D. School of Medicine	2014-2019
Cellular Foundations, Anatomy Instructor.	2014-2019

Western Michigan University Homer Stryker M.D. School of Medicine	
Metabolic Foundations, Anatomy Instructor.	2014-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Immunology and Infectious Disease, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Musculoskeletal and Dermatology, Anatomy Instructor and lecturer.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Cardiovascular, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Pulmonary, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Renal and Genitourinary, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Gastrointestinal, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Endocrinology and Reproduction, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
Nervous System I, Anatomy Instructor.	2015-2019
Western Michigan University Homer Stryker M.D. School of Medicine	
ANP 441: Osteology and Forensic Anthropology, Guest Lecturer	2015-2019
ANP 202H: Honors Biocultural Evolution, Course Director.	2014
Michigan State University, 30 students	
ISS 220: Time, Space, and Change in Human Society, Course Director.	2013
Michigan State University, 200 students	
ANP 340: Introduction to Physical Anthropology, Course Director.	2012
Michigan State University, 60 students	
ANP 491: Forensic Anthropology and Osteology Study Abroad,	2012
Teaching Assistant. Michigan State University, 60 students	
ANP 440: Hominid Fossils, Teaching Assistant.	2011

Michigan State University, 60 students	
ANP 202: Biocultural Evolution, Teaching Assistant. Michigan State University, 60 students	2010
ANP 441: Introduction to Physical Anthropology, Teaching Assistant. Michigan State University, 60 students	2010
ISS 220: Time, Space, and Change in Human Society, Teaching Assistant. Michigan State University, 200 students	2009
ANP 340: Introduction to Physical Anthropology, Teaching Assistant. Michigan State University, 60 students	2008-2009
 <i>Advising & Supervision</i>	
Rhian Dunn, Doctoral Committee Member	2021-present
Rhian Dunn, MSUFAL Laboratory Manager	2021-present
Clara Devota, Research Assistant	2021-present
Maria Ghisan, Undergraduate	2022-present
Mariah Larr, Undergraduate	2022
Rachel Dolce, Undergraduate	2022
Hanna Bechinski, Undergraduate	2022
Mikayla Calverly, Undergraduate	2021-2022
Micayla Spiros, MSUFAL Laboratory Manager	2020-2021
Student Interest Group, Faculty Advisor	2015-2019
Jordan Roberson, Forensic Anthropology Inership, Co-Supervisor	2019
Riley Jepkema, Forensic Anthropology Internship, Co-Supervisor	2019
Kirsten Twork, Forensic Anthropology Internship, Co-Supervisor	2019
Rachel Smith, Forensic Anthropology Internship, Co-Supervisor	2018
Melissa Brown, Forensic Anthropology Internship, Co-Supervisor	2018
Elaine Chu, Forensic Anthropology Internship, Co-Supervisor	2017
Brittany Erskine, Forensic Anthropology Internship, Co-Supervisor	2017
Active Citizenship, Faculty Principle Investigator	2015-2017
Elena Watson, Forensic Anthropology Internship, Co-Supervisor	2016
Valerie Leah, Forensic Anthropology Internship, Co-Supervisor	2016
Ashley Shade, Forensic Anthropology Internship, Co-Supervisor	2016
 SERVICE	
Admissions Committee, MSU Department of Anthropology, Member	2021-present
ANSI/ASB Std 148 Working Group: Standard for Personal Identification In Forensic Anthropology, Chair	2020-present
ANSI/ASB Std 147 Working Group: Standard for Analyzing Skeletal Trauma	2020-present

in Forensic Anthropology, Member	
Anthropology Consensus Body of the American Academy of Forensic Sciences Standards Board, Member	2018-present
Michigan State Police Homicide School, Guest Instructor	2021
Operation UNITED (Unknown Names Identified Through Exhumation and DNA), Forensic Anthropologist	2021
Peer Reviewer for <i>Forensic Science International</i>	2020
Undergraduate Curriculum and Programs Committee, MSU Department of Anthropology, Member	2019-2021
Michigan State Police Human Remains Course, Instructor	2019
American Academy of Forensic Sciences Anthropology Section, Abstract Reviewer	2019
WMed Women in Medicine and Science, Co-Chair	2018-2019
WMed Admissions Committee, Member	2017-2019
WMed One-on-One Interview, Interviewer	2017-2019
Kalamazoo and St. Joseph County Crime Scene Technician Training, Planning Committee and Instructor	2019
5 th Distric Medical Response Coalition Mass Fatality Planning Workgroup	2017-2019
WMed Body Donation Program Annual Donor Remembrance Ceremony, Planning Committee and Presenter	2016-2019
WMed Body Donor Memorial Tree Dedication Ceremony, Planning Committee and Presenter	2019
Michigan Mortuary Response Team (MI-MORT) Full Scale Exercise, Forensic Anthropologist	2018
Disaster Mortuary Operational Response Team (DMORT) Region V Spring 2018 Training, Planning Committee, Participant, Presenter	2018
Family Assistance Center Seminar and Tabletop Exercise, Panel Member,	2018

Participant

Michigan Mortuary Response Team (MI-MORT) Symposium, Forensic Anthropologist	2017
Disaster Mortuary Operational Response Team (DMORT) Region V and Michigan Mortuary Response Team (MI-MORT) Spring 2017 Training, Planning Committee and Instructor	2017
Peer Reviewer for <i>Journal of Forensic Sciences</i>	2017
WMed Structured Interview, Interviewer	2015-2016
Muskegon Mass Fatality Exercise, Planning Committee and Participant Michigan Mortuary Response Team Training, Forensic Anthropologist	2015 2015, 2010
WMed Multiple Mini Interviews (MMI), Interviewer	2014-2015
Buried Bodies Course for Law Enforcement, Instructor	2014
Forensic Odontology Training, Instructor	2011
Scientific Working Group for Forensic Anthropology, Participant	2011
Death Investigation Course for Law Enforcement, Instructor	2010
Michigan State Police Training, Instructor	2010

FACULTY DEVELOPMENT

Advanced Tools for Video and Audio Creation	November 20, 2020
Sharing and Creating Media in Mediaspace	November 06, 2020
Asynchronous Program for Instructional Readiness (ASPIRE)	Fall 2020
Keep Teaching 4: Assessment (instructional video)	April 2020
College of Social Science New Faculty Orientation	September 18, 2019
Active Shooter and Emergency Response Training	August 27, 2019
Teaching Toolkit Tailgate	August 26, 2019
MSU Syllabi: Promoting Equity, Fairness and Dialogue in the Classroom	August 26, 2019

New Faculty Orientation	August 20, 2019
Teaching in Large Groups	May 13, 2019
Data Visualization: Presenting Data Effectively in a Digital Reading Age	September 20, 2018
TBL Workshop: Facilitation Skills and Peer Evaluation	September 13, 2018
Teaching Academies: Benefits for Faculty and Institutions	September 7, 2018
Scholarship 101: Turning Your Work into Scholarship	September 6, 2018
Preparing for Promotion	May 31, 2017
Academic CV Workshop	May 8, 2017
Vital Source Digital Textbook Demonstration	March 30, 2017
Writing NBME-Style Test Questions	November 4, 2016
New Approaches in Teaching: Lessons from Cognitive Psychology	November 4, 2016
Training on how to use the Glass Learning Board	July 26, 2016
Structured Interview Training	September 16, 2015
How to Incorporate Flipped Learning into Your Teaching	September 16, 2015
Grand Rounds: Flipping Medical Educations	September 15, 2015
WMedEd Grand Rounds – NAVs	July 21, 2015
Academic Bootcamp	October 22, 2015
AV Training – Auditorium and TBL Halls at W.E. Upjohn M.D. Campus	December 18, 2014
HUMANeX Impact I Academic Training	November 4, 2014
Inkling Workshop	September 9, 2014