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Harris County Institute of Forensic Sciences
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Education:

- 1999-2001 Ph.D. Anthropology, University of Tennessee, Knoxville, TN.
Dissertation title: *Evaluating Decay Odor as a Time Since Death Indicator.*
- 1996-1999 M.A. Anthropology, University of Tennessee, Knoxville, TN.
Thesis title: *Cut Mark Classification using Energy Dispersive X-Ray Analysis.*
- 1990-1994 B.A Anthropology, Pennsylvania State University, State College, PA.
Magnum cum Laude.

Certification

- 2009 Diplomat- American Board of Forensic Anthropology

Honor Societies and Professional Memberships:

- Phi Beta Kappa National Honor Society
- Golden Key National Honor Society
- 1998-Present American Academy of Forensic Science - Fellow
- 2003-Present Society of Forensic Anthropologists
- 2006-2010 International Association of Identification

Committee Memberships

- July 2012-2015 American Board of Forensic Anthropology – Board of Directors
- July 2012 Scientific Working Group of Anthropology – Committee Member

Work Experience:

- 2006-Current Forensic Anthropology Director of Harris County Institute of Forensic Sciences, Houston, TX.
- 2003-2006 Forensic Anthropologist/Director of Autopsy Services Shelby County Medical Examiner's Office, Memphis, TN.
- 2000-2003 Consulting Scientist (Forensic Anthropologist), Regional Forensic Center, Memphis / University of Tennessee, Memphis.
- 1999-2000 Graduate Teaching Assistant. Anthropology Department: University of Tennessee, Knoxville.
- 1999-2000 Autopsy Technician. Knox County Regional Forensic Center, University of Tennessee Medical Center.
- 1999-2000 Graduate Research Assistant. Anthropology Department; University of Tennessee Forensic Center, Knoxville.
- 1998-1999 Graduate Research Assistant. Biological Sciences Department; University of Tennessee, Knoxville/Oak Ridge National Laboratory.
- 1996-1998 Graduate Research Assistant. Department of Oral and Maxillary Surgery; University of Tennessee Medical Center, Knoxville.
- 1995 Archaeology Field School Teaching Assistant. Pennsylvania State Museum/Elizabethtown College.
- 1994 Contract Archaeologist. Archeological and Historical Consultants, Centre Hall, PA.
- 1992-1994 Volunteer Undergraduate Research Assistant. Anthropology Department; Pennsylvania State University.

Adjunct Positions

- 2010-present Baylor College of Medicine, Houston, TX
- 2009-present University of Texas Health Science Center; Houston, TX
- 2008-present Research Collaborator, Texas State University; Anthropology Department; San Marcos, TX.

- 2007-2009 Texas A&M University; Anthropology Department; College Station, TX.
- 2001-2006 Christian Brothers University; Social Science Department; Memphis, TN.
- 2002-2003 University of Memphis; Anthropology Department; Memphis, TN.

Semester Courses Taught:

- *Criminalistics*. Social Science Department, Christian Brothers University, adjunct faculty.
- *Gross Anatomy Laboratory*, Biology Department, University of Tennessee, Knoxville, graduate teaching assistant.
- *Human Osteology*. Anthropology Department; University of Memphis, adjunct faculty.
- *Introduction to Forensic Anthropology*. Natural Science Department, Christian Brothers University and Anthropology Department, University of Memphis, adjunct faculty.
- *Introduction to Forensic Anthropology Laboratory*. Natural Science Department, Christian Brothers University and Anthropology Department, University of Memphis, adjunct faculty.
- *Introduction to Physical Anthropology*. Natural Science Department, Christian Brothers University and Anthropology Department, University of Memphis, adjunct faculty.
- *Introduction to Physical Anthropology Laboratory*. Natural Science Department, Christian Brothers University, adjunct faculty.
- *Overview of Forensic Sciences*. Social Science Department, Christian Brother University, adjunct faculty.
- *Science and the Law*. Social Science Department, Christian Brother University, adjunct faculty.

Short Courses and Invited Lectures:

- *Child Abuse: A Difficult Diagnosis Even at Autopsy* and *Child Abuse: Recognition and Interpretation of Fracture Patterns*. 8th Chico Forensic Conference, Chico, CA (2011).
- *Medicolegal Investigations: How Does Anthropology Fit In?* Actual Innocents Project. Plano, TX (2011).

- *Non-Accidental Injury in Children: The Role of the Anthropologist and the Direction of Current Research.* Syracuse University Dialogues in Forensic Science: Trauma II. Syracuse, NY (2011) (Conference series funded by NIJ 2009-DN-BX-K201).
- *Recognizing and Documenting Skeletal Injuries in Child Abuse Cases.* St. Louis University School of Medicine Masters Conference 13 (2009).
- *Harris County Medical Examiner's Anthropology Short Course.* Lecture and field training for pathology fellows, death investigators, and law enforcement, Houston, TX (annual lecture).
- *Burned Scene Training.* Field training for pathology fellows, death investigators, crime scene investigators and law enforcement, Houston, TX.
- *FBI Body Recovery School.* Seminar Training FBI Agents, University of Tennessee, Knoxville.
- *Using Science to Solve Crimes.* Chautauqua National Science Foundation Short courses for College Teachers, Christian Brothers University.
- *Human Osteology.* Upward Bound Education Program, University of Tennessee, Math and Science Regional Center.
- *The Undocumented Hispanic Population.* Annual Ballard/Francisco Medical Examiner Seminar, Jackson, TN.
- *Bioinformatics and Forensic Science.* Christian Brothers University, Memphis, TN.

Grants and Funded Projects:

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| 2010 | National Institute of Justice – Using DNA Technology to Identify the Missing (2010-DN-BX-K207). Grant total \$166,365.00. |
| 2010 | National Institute of Justice – Fundamental Research to Improve Understanding of the Accuracy, Reliability, and Measurement Validity of Forensic Science Disciplines entitled “Validation of Saw Marks in Bone.” (2010-DN-BX-K235) Grant total \$26,409.00. |
| 2009 | Paul Coverdell Forensic Science Improvement Grant Program for funding of a Forensic Anthropology and Toxicology Fellowship Program. Co-authored with Dr. William Davis. (2009-CD-BX-0089) Grant total \$99,685.44. |
| 2008 | Department of Justice Social Science Research on Emerging Issues in Forensic Science grant entitled “HCME Anthropology Division Metric Research in Forensic Cutmark Interpretation.” (2008-NI-CX-0004) Grant total \$5,120. |

- 1998 Human Decomposition Projected funded by the United States Department of Energy, Office of Nonproliferation Research and Engineering.
- 1997 Analysis cut marks for trace elements using ESEM, topic of master's research. Project funded by the University of Tennessee Anthropology Research Center.

Publications:

Books:

- 2011 Love JC, Derrick SM, Wiersema JW
Skeletal Atlas of Child Abuse. New York City, New York: Humana Press.

Articles:

- 2013 (In Press) Love JC, Derrick SM, Wiersema JM, Pinto DC, Greeley CS, Donaruma-Khow M, Bista BR Novel Classification System of Rib Fractures in Infants. *Journal of Forensic Sciences*.
- 2012 Love JC, Derrick SM, Wiersema JM, Peters C
Validation of Tool Mark Analysis of Cut Costal Cartilage. *Journal of Forensic Sciences*. 57(2):306-3011.
- 2009 Love JC, Sanchez LA
Recognition of Skeletal Fractures in Infants: An Autopsy Technique. *Journal of Forensic Sciences* 54(6):1443-6.
- 2004 Love JC, Symes SA
Understanding Rib Fracture Patterns: Incomplete and Buckle Fractures. *Journal of Forensic Sciences* 49(6):1153-1158.
- 2002 Vass AA, Barshick SA, Sega G, Caton J, Skeen JT, Love JC, Synstelién JA
Decomposition chemistry of human remains: a new methodology for determining the postmortem interval. *Journal of Forensic Sciences* 47(3):542-553.
- 1997 Gerard D, Chase D, Love J, Johnson M, and Brunson B
Effect of Particulate Cobalt Chromium Injected in Rabbit TMJ. *Journal of Oral and Maxillary Facial Surgery* 55:118.
- 1997 Gerard D, Mellis D, Johnson M, Love J, and Chase D
Stimulation of Adult Calvaria Bone Activity by Canine Growth Hormone. *Journal of Oral and Maxillary Facial Surgery* 55:58.

Book Chapters:

- 2011 Love JC, Hamilton MD

Introduction to Forensic Anthropology. In eds Mozayani and Noziglia *The Forensic Laboratory Handbook Procedures and Practice* (2nd Edition) Humana Press; New York: 509-537.

- 2009 Wiersema JM, Love JC, Naul LG.
The Influence of the Daubert guidelines on Anthropological methods of scientific identification in the Medical Examiner Setting. In eds Wolfe Steadman: *Hard Evidence: Case Studies in Forensic Anthropology* (2nd Edition). Upper Saddle River, NJ: Prentice Hall.
- 2009 Mark MK, Love JC, Dadour IR
Taphonomy and Time: Estimating the Postmortem Interval. In eds Wolfe Steadman: *Hard Evidence: Case Studies in Forensic Anthropology* (2nd Edition). Upper Saddle River, NJ: Prentice Hall.
- 2003 Love JC, Marks MK
Taphonomy and Time: Estimating the Postmortem Interval. In eds Wolfe Steadman: *Hard Evidence: Case Studies in Forensic Anthropology* (1st Edition). Upper Saddle River, NJ: Prentice Hall:160-175

Book Reviews:

- 2008 Love JC
Forensic Cremation: Recovery and Analysis. by Scott I. Fairgrieve CRC Press (2008), pp. 206, hardback ISBN 978-0-8493-9189-7; *Forensic Science, Medicine, and Pathology*: 4(2).
- 2008 Love JC
Skeletal Trauma: Identification of Injuries Resulting from Human Rights Abuse and Armed Conflict. By Erin H. Kimmerle and José Pablo Baraybar CRC Press, 2008, 493 pp, hardback, ISBN 978-0-8493-9269-6; *Forensic Science, Medicine, and Pathology*: 4(3).

Abstracts:

- 2012 Love JC, Derrick SD, Wiersema JM, Peters C
Validation Study of Microscopic Analysis of Saw Marks in Bone *Proceedings for American Academy of Forensic Sciences*.
- 2012 Pinto DC, Love JC, Derrick SD, Wiersema JM
Forensic Anthropology Fellowship Training Model *Proceedings for American Academy of Forensic Sciences*.

- 2012 *Derrick SD, Hipp JA, Love JC, Wiersema JM, Shi C, Tan Z, Akella S*
Ongoing Development of the Novel Computer-Assisted Radiograph Identification Method *Proceedings for American Academy of Forensic Sciences.*
- 2011 *Wiersema JM, Love JC, Derrick SM, Sanchez LA*
The Utility of Skeletal Examination in Recognition of Occult Skeletal Injury. *Proceedings for American Academy of Forensic Sciences.*
- 2011 *Derrick SM, Hipp JA, Love JC, Wiersema AM, Akella NS, Sanchez LA*
New Method of Identification Based On Computer-Assisted Radiograph Comparison. *Proceedings for American Academy of Forensic Sciences.*
- 2011 *Pinto DC, Haden-Pinneri K, Love JC*
A Comparison of Trauma Associated With Manual and Automated Cardiopulmonary Resuscitation. *Proceedings for American Academy of Forensic Sciences.*
- 2010 *Love JC, Wiersema JM, Derrick SD, Backo B*
Objective Interpretation of the Striation Pattern observed in Experimentally Cut Costal Cartilage. *Proceedings for American Academy of Forensic Sciences.*
- 2009 *Haden-Pinneri K, Love, JC, Wiersema JM, Derrick, SD*
Forensic pathology and anthropology: a collaborative effort. *Proceedings for American Academy of Forensic Sciences.*
- 2009 *Wiersema JM, Haden-Pinneri K, Love JC, Derrick SM, Sanchez LA*
The role of the HCMEO Forensic Anthropology Division in scientific identification. *Proceedings for American Academy of Forensic Sciences.*
- 2009 *Derrick SM, Love JC, Wiersema JM, Mathis RA, Sanchez LA*
Recent developments in the ongoing saga of the Houston mass murders. *Proceedings for American Academy of Forensic Sciences.*
- 2008 *Haugen G, Love JC*
Recognition of Child Abuse: Scene Analysis and Injury Documentation. *The International Associations for Identification's 93rd International Educational Conference.* Louisville, KY: 35.
- 2008 *Love J, Sanchez L*
Recognizing Classic Metaphyseal Lesions in Child Abuse: An Autopsy Techniques. *Proceedings for American Academy of Forensic Sciences* 14:264-265.
- 2008 *Derrick S, Wiersema J, Mathis R, Love J, Sanchez L*

The Utility of the Identification Unit Concept in the Medical Examiner Setting. *Proceedings for American Academy of Forensic Sciences* 14:365.

- 2008 Wiersema J, Love J, Sanchez L
Practical Consideration of the *Daubert* Guidelines on Methods of Identification in the Medical Examiner Setting. *Proceedings for American Academy of Forensic Sciences* 14:304-305.
- 2008 Haden-Pinneri K, Wiersema J, Love J
What Lies Beneath: An Unusual Congenital Anomaly in an Assault Victim. *Proceedings for American Academy of Forensic Sciences* 14:270-271.
- 2007 Love JC, Zephro L
Recovery of Human Remains: Recognition and Documentation of Evidence for Forensic Anthropological Analysis. *The International Associations for Identification's 92nd International Educational Conference*. San Diego: 40.
- 2005 Love JC, Hart G, Spatola B
Evaluation of the Sternal Rib End Age Estimation Technique Using a Modern Medical Examiner Samples. *Proceedings for American Academy of Forensic Sciences* 11:323.
- 2003 Love JC, Symes SA, Ferraro C,
Understanding Rib Fracture Patterns. *Proceedings for American Academy of Forensic Sciences* 9:257-258.
- 2002 Kroman AM, Symes SA, Smith OC, Jove JC, Mincer HH, Lemmon JW
The Hidden Truth: Mandibular Condyle Fractures in Child Abuse. *Proceedings of the American Academy of Forensic Sciences* 8:250.
- 2002 Love J
Evaluating Decay Odor as a Time Since Death Indicator. *Proceedings for American Academy of Forensic Sciences*.8:238
- 2001 Love J, Marks M, Barshick, SA
The Odor of Decay, a Sampling Method. *Proceedings for American Academy of Forensic Sciences*.
- 2000 Barshick SA, Vass A, Sega G, Canton J, Love J, Marks M
Measurement Technologies for Determining Time Since Death. *Proceedings for American Academy of Forensic Sciences*.

2000 Marks MK, Love J, and Elkins SK
Time Since Death: A Practical Guide to Physical Postmortem Events. *Proceedings for American Academy of Forensic Sciences.*

1999 Love J
Cut Mark Classification using Energy Dispersive X-Ray Analysis.
*Proceedings for American Academy of Forensic Science.*5:215

Training/Workshops Attended:

2010 Strengthening Forensic Science in the United States: A Path Forward – The Judges' Perspective conducted at the 62nd Annual Scientific Meeting of the American Academy of Forensic Sciences. Workshop hosted by the Forensic Sciences Foundation, Inc.

2006 Quality Assurance in Human Identification Workshop conducted at the 59th annual meeting of the American Academy of Forensic Sciences. Workshop hosted by the Joint POW/MIA Accounting Command/Central Identification Laboratory (JPAC-CIL).

2005 Regional Missing Persons Training Conference – East. Organized by Department of Justice, Office of Programs. Clearwater Beach, FL

Invited Reviewer:

2012 Journal of Forensic Sciences

2011 National Institute of Justice (Final Grant Report)

Research Interest:

Bone fracture biomechanics, bone histology and physiology, skeletal pathology; skeletal aging, forensic taphonomy.