

TEXAS STATE VITA (revised 05/2015)

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Name: Michelle Dawn Hamilton

Title: Associate Professor

B. Educational Background

- PhD 2004 The University of Tennessee Knoxville (Biological Anthropology)
Dissertation: "Seeking After Empire: Bioarchaeologists and American Indians in the New Millennium"
- MA 1999 The University of Tennessee Knoxville (Biological Anthropology)
Thesis: "Oral Pathology at Averbuch (40DV60): Implications for Health Status"
- BA 1992 California State University Northridge (Anthropology)

C. University Experience

- Graduate Advisor, Texas State University, Department of Anthropology. 2013-Current.
- Associate Professor, Texas State University, Department of Anthropology. 2013-Current.
- Assistant Professor, Texas State University, Department of Anthropology. 2007-2013.
- Director, Forensic Anthropology Center at Texas State, Texas State University. 2008-2010.
- Director, Forensic Anthropology Research Facility, Texas State University. 2008.
- Lecturer, Texas State University-San Marcos, Department of Anthropology. 2006-2007.
- Adjunct Faculty, San Antonio College, Department of Sociology. 2006-2007.
- Adjunct Faculty, Trinity University. Department of Sociology and Anthropology. 2006-2007.
- Graduate Instructor, The University of Tennessee, Department of Anthropology. 2002-2003.
- Graduate Research Assistant, Forensic Anthropology Center, UT Knoxville. 1997-2001.

D. Relevant Professional Experience

- *Faculty*, The University of Tennessee and the Federal Bureau of Investigation's Human Remains Recovery School. Duties: Instructor for annual course focusing on training FBI agents/ERT members on the identification and recovery of clandestinely buried human remains. 1999-2009, 2014.
- *Section 106 Officer*, Eastern Band of Cherokee Indians (Tribal Historic Preservation Office, Cherokee, North Carolina). Duties: Oversight of federal compliance of Section 106 of the National Historic Preservation Act, with emphasis on management and treatment of human remains. 2003-2005.
- *Autopsy Technician*, Regional Forensic Center at The University of Tennessee's Medical Center. Duties: Assisted at autopsy and other duties as assigned by the Medical Examiner. 2000-2002.

E. Other Professional Credentials (licensure, certification, etc.)

- Diplomate #87, American Board of Forensic Anthropology, 2011-Current.

II. TEACHING

A. Teaching Honors and Awards (Texas State University-San Marcos)

- 2014 Alpha Chi Favorite Professor Award
2014 Dean's Excellence Award in Teaching (College of Liberal Arts, \$1000.00)
2013 Alpha Chi Favorite Professor Award
2009 Dean's Excellence Award in Teaching (College of Liberal Arts, \$1000.00)

B. Courses Taught (12 courses, all prepared)

(Texas State University-San Marcos)

- Anth 5375 Laboratory Methods in Forensic Anthropology (graduate course)
- Anth 5326 Field Methods in Forensic Anthropology (graduate course)
- Anth 5321 Seminar in Forensic Anthropology (graduate course)
- Anth 5378 Human Skeleton in Forensic Medicine (graduate course)
- Anth 5312 Seminar in Biological Anthropology (graduate course)
- Anth 4381 Paleopathology (graduate course)
- Anth 5374 Paleopathology (undergraduate course)
- Anth 4383 Forensic Identification (undergraduate course)
- Anth 4382 Methods in Skeletal Biology (undergraduate course)
- Anth 3381 Human Osteology (undergraduate course)
- Anth 3380 Introduction to Forensic Anthropology (undergraduate course)
- Anth 1312 Cultural Anthropology (undergraduate course)

(other colleges/universities)

- Anth 2301 Physical Anthropology (undergraduate course). San Antonio College.
- Anth 3394 Forensic Anthropology (undergraduate course). Trinity University, San Antonio.
- Anth 2310 Human Evolution (undergraduate course). Trinity University, San Antonio.
- Anth 210 Principles of Biological Anthropology (undergraduate course). UT Knoxville.
- Anth 110 Human Origins (undergraduate course). UT Knoxville.

C. Graduate Theses (36 Completed, 8 Current, 3 Inactive):

As Chair (Department of Anthropology, Texas State University):

24. **Thesis Chair**, Courtney Siegert, 2014-Current. Title: TBD (Topic: Preservation of burned bone)
23. **Thesis Chair**, James Fancher, 2013-Current. Title: TBD (Topic: Decomposition byproducts and PMI)
22. **Thesis Chair**, Brittany McClain, 2013-Current. Title: TBD (Topic: Malnutrition in Prehistory)
21. **Thesis Chair**, Matthew Naparstek, M.A., 2013. Title: "Masculinization of Female Crania: The Effects of Age on Non-Metric Sex Estimation Accuracy of the Skull"
20. **Thesis Chair**, Geoffrey Neylon, 2012-Current. Title: "Sharp Force Trauma and Morphology of Kerf Marks on Submerged Skeletal Material"
19. **Thesis Chair**, Kathryn Phalen, M.A., 2013. Title: "Assessing the effects of clothing on human Decomposition Rates in Central Texas"
18. **Thesis Chair**, Cristina Watson, M.A., 2011. Title: "Estimation of Sex Through Metric Measurements of the Petrous Bone in Contemporary American Populations"
17. **Thesis Chair**, Kathryn Taylor, M.A., 2011. Title: "Sex Discrimination from Carpal Measurements in a Contemporary American Sample"
16. **Thesis Chair**, Aryn Klein, M.A., 2011. Title: "Vulture Scavenging of Pig Remains at Varying Grave Depths"
15. **Thesis Chair**, Maggie McClain, M.A., 2012. Title: "Examining Patellar Morphology and Musculoskeletal Stress in Prehistoric Populations from Texas"
14. **Thesis Chair**, Caryn Tegtmeyer, M.A., 2012. Title: "A Comparative Analysis of Serrated and Non-Serrated Sharp Force Trauma to Bone"
13. **Thesis Chair**, Elizabeth Richards, M.A., 2011. Title: "Estimation of Stature from Measurements of the Isolated Cranium"
12. **Thesis Chair**, Briana Curtin, M.A., 2011. Title: "The Effects of Fire Suppression Techniques on Burned Bone"
11. **Thesis Chair**, Kelly Sauerwein, M.A., 2011. Title: "The Sequence of Bone Staining and its Application to the Postmortem Interval"
10. **Thesis Chair**, Rebecca Shattuck, M.A., 2010. Title: "Perimortem Fracture Patterns in South-Central Texas: A Preliminary Investigation into the Perimortem Interval"
9. **Thesis Chair**, Katherine Kitowski, M.A., 2009. Title: "Age Estimation of Subadults from Forensic Contexts using the Denver Longitudinal Study Diaphyseal Long Bone Length Standards"
8. **Thesis Chair**, Christopher Hodges, 2008-2009. Inactive.
7. **Thesis Chair**, Ingrid Marrero, M.A., 2009. Title: "Color of Dentine as an Age Estimation Method for Hispanic Populations in Southwest Texas"
6. **Thesis Chair**, Carly Shattuck, M.A., 2009. Title: "An Analysis of Decomposition Rates on Outdoor Surface Variations in Central Texas"
5. **Thesis Chair**, Keri Brotherton, 2007-2008. Inactive.
4. **Thesis Chair**, Casey Callahan, M.A., 2009. Title: "Vegetation Colonization of Experimental Grave Sites in Central Texas"
3. **Thesis Chair**, Connie Parks, M.A., 2009. Title: "Oxygen Isotope Analysis of Human Bone and Tooth Enamel: Implications for Forensic Investigations"
2. **Thesis Chair**, Cory Rebmann, 2007-2008. Inactive.
1. **Thesis Chair**, Nicole Reeves, M.A., 2008. Title: "Taphonomic Effects of Vulture Scavenging"

As Committee Member (PhD Theses):

1. **Dissertation Committee Member**, Stacy Drake, 2013-Current. Title: "Bioarchaeological Study of the Ancient Maya from Northwestern Belize." The University of Texas at Austin.

As Committee Member (Master's Theses):

22. **Thesis Committee Member**, Justin Pyle, 2015-Current. Title: TBD
21. **Thesis Committee Member**, Chloe McDaneld, 2015-Current. Title: TBD
20. **Thesis Committee Member**, Alejandra Ayala Bas, 2015-Current. Title: TBD
19. **Thesis Committee Member**, Erin King, 2014-Current. Title: TBD (Topic: Health/Diabetes)
18. **Thesis Committee Member**, Marilyn Isaaks, 2014-Current. Title: TBD (Topic: Infrared Grave Detection)
17. **Thesis Committee Member**, Cassie Skipper, 2014-Current. Title: TBD.
16. **Thesis Committee Member**, Kelsee Hentschel, M.A., 2013. Title: "Postmortem Fracture Surface Topography: An Investigation into Differentiating Perimortem and Postmortem Long Bone Blunt Force Trauma Fractures"
15. **Thesis Committee Member**, Margaret Zywicki, M.A., 2013. Title: "A Study of the Predictability of Rib Fracture Patterns Based on Three Different Modes of Fracture"
14. **Thesis Committee Member**, Matthew Elverson, M.A., 2013. Title: "The Influences of Parent Colonies in the Archaeological Record: An Archaeological Investigation of Interment Styles and Mortuary Materials at the St. George's Caye Cemetery, Belize"
13. **Thesis Committee Member**, Alexandria Frye, M.A., 2013. Title: "Reduction of Fleshed *Sus scrofa C. domesticus* Remains Using a Wood Chipper: Skeletal Trauma and Distribution Patterns"
12. **Thesis Committee Member**, Katherine Harrington, M.A., 2013. Title: "Secular Change in Knee Joint Size and Shape"
11. **Thesis Committee Member**, Brianne Herrera, M.A., 2013. Title: "Cranial Comparisons Using Ancient and Modern Samples from Australia, Asia, and South America"
10. **Thesis Committee Member**, Maureen Purcell, 2013, M.A., Title: "Sex Differences in the Femur and Acetabulum: A Biomechanical Analysis with Forensic Significance"
9. **Thesis Committee Member**, Lauren Springs, M.A., 2012. Title: "St. George's Caye: A Bioarchaeological Study of 18th Century Belize"
8. **Thesis Committee Member**, Cristina Soto, M.A., 2012. Title: "Socioeconomic Status and Sexual Dimorphism in a Mexican Migrant Population"
7. **Thesis Committee Member**, Thomas Stott, M.A., 2011. Title: "Is the Cranial Base Sensitive to Nutritional Deficiencies? A Population Study of the Civil War Era"
6. **Thesis Committee Member**, Joanna Suckling, M.A., 2011. Title: "A Longitudinal Study on the Outdoor Human Decomposition Sequence in Central Texas"
5. **Thesis Committee Member**, Alexandra Millard, M.A., 2011. Title: "Age Assessment from Cranial Suture Closure"
4. **Thesis Committee Member**, Laura Ayers, M.A., 2010. Title: "Differential Decomposition in Terrestrial, Freshwater, and Saltwater Environments: A Pilot Study"
3. **Thesis Committee Member**, Paulyann Enwere, M.A., 2008. Title: "Taphonomy of Child-Sized Remains in Shallow Grave and Surface Deposit Scenarios"
2. **Thesis Committee Member**, Margaret Hyder, M.A., 2007. Title: "A Study on the Rate of Decomposition in Closed Containers Placed in a Shaded Area Outdoors in Central Texas"
1. **Thesis Committee Member**, Katherine Chapman, M.A., 2007. Title: "When the Bullet Hits the Bone: Patterns in Gunshot Trauma to the Infracranial Skeleton"

D. Courses Prepared and Curriculum Development

- Developed curriculum for ANTH 5321: "Seminar in Forensic Anthropology," a graduate-level critical readings, theory, and methodology course stressing foundational aspects of forensic anthropology.
- NB: Please see listing of all courses prepared under section "II. TEACHING; B. Courses Taught"

III. SCHOLARLY/CREATIVE

A. Works in Print

d. Chapters in Books (refereed):

Kjellstrom A and **Hamilton MD** (2014) The Taphonomy of Maritime Warfare: A Forensic Reinterpretation of Sharp Force Trauma from the 1676 Wreck of the Royal Swedish Warship *Kronan*. In *Bioarchaeological and Forensic Perspectives on Violence: How Violent Death is Interpreted from Skeletal Remains* (*Cambridge Studies in Biological and Evolutionary Anthropology*), DL Martin and CP Anderson (editors), pp.: In Press. Cambridge: Cambridge University Press.

Hamilton MD and Erhart EM (2012) Forensic Evidence Collection and Cultural Motives for Animal Harvesting. In *Wildlife Forensics: Methods and Applications*, JE Huffman and JR Wallace (editors), pp. 63-77. Hoboken: John Wiley and Sons.

Love JC and **Hamilton MD** (2011) Forensic Anthropology. In *The Forensic Laboratory Handbook: Procedures and Practice* (Forensic Science and Medicine Series), 2nd Edition, C Noziglia and A Mozayani (editors), pp. 509-537. Totowa: Humana Press.

Hamilton MD (2009) Adverse Reactions: Practicing Bioarchaeology among the Cherokee. In *Under the Rattlesnake: Cherokee Health and Resiliency*, L Lefler (editor), pp. 29-60. Tuscaloosa: University of Alabama Press.

Hamilton MD and Townsend RG (2009) The Unintended Consequences of Prehistoric Skeletal Studies to Modern Cherokee Communities. In *Under the Rattlesnake: Cherokee Health and Resiliency*, L Lefler (editor), pp. 23-28. Tuscaloosa: University of Alabama Press.

Hamilton MD (2008) Colonizing America: Paleoamericans in the New World. In *Kennewick Man: Perspectives on the Ancient One*, L Zimmerman and C Smith (editors), pp. 128-137. Walnut Creek: Left Coast Press (Sponsor: World Archaeological Congress).

2. Articles

a. Refereed Journal Articles

Black S, Spradley MK, and **Hamilton MD** (2015) Crevice interments deconstructed. *Journal of Texas Archeology and History* 2:1-17. (Impact Factor: unavailable)

Spradley MK, **Hamilton MD**, Giordano A (2012) Spatial patterning of vulture scavenged human remains. *Forensic Science International* 219:57-63. (Impact Factor: 2.3)

Hamilton MD and Spradley MK (2011) Purported drug cartel use of vultures as a method for body disposal. *Journal of Forensic Identification* 6:425-429. (Impact Factor: unavailable)

Marks MK and **Hamilton MD** (2007) Metastatic carcinoma: palaeopathology and differential diagnosis. *International Journal of Osteoarchaeology* 17:217-234. (Impact Factor: 1.8)

2. Articles - Continued

b. Non-refereed Articles:

Sauerwein K and **Hamilton MD** (2011) Forensic anthropology: Human remains in the legal context. *PLEXUS Medical Transcription Magazine*, March 7:36-38.

Melbye FJ and **Hamilton MD** (2008) Letter to the Editor - Re: Skull features as clues to age, sex, race, and lifestyle. *Journal of Forensic Identification* 58:401-404.

4. Abstracts

Watson CC and **Hamilton MD** (2014) Utility of the Petrous Portion in Estimating Sex of Unknown Skeletal Remains. Society for American Archaeology 79th Meeting, April 23-27, Austin, TX. Abstract:241.

Tegtmeyer CE and **Hamilton MD** (2012) A comparative analysis of serrated and non-serrated knife trauma. American Association of Physical Anthropologists 81st Annual Meeting, April 11-14, Portland, OR. Abstract: *American Journal of Physical Anthropology Supplement* 54:284.

Kjellstrom A and **Hamilton MD** (2012) Identifying sharp force defects: an analysis of ambiguous skeletal trauma recovered from the wreck of the royal Swedish battleship *Kronan*. American Association of Physical Anthropologists 81st Annual Meeting, April 11-14, Portland, OR. *American Journal of Physical Anthropology Supplement* 54:182-183.

Sauerwein K and **Hamilton MD** (2012) Estimating the postmortem interval from the pattern of staining on skeletal remains. American Academy of Forensic Sciences 64th Meeting, Feb 20-25, Atlanta, GA. Abstract: *Proceedings American Academy of Forensic Sciences* 18:384.

Mavroudas SR, Wescott DJ, Spradley MS, **Hamilton MD**, Stull KE (2012) The Forensic Anthropology Center at Texas State University. American Academy of Forensic Sciences 64th Meeting, Feb 20-25, Atlanta, GA. Abstract: *Proceedings American Academy of Forensic Sciences* 18:377-378.

Marrero IJ and **Hamilton MD** (2010) Color of Dentine as an Age Indicator for Hispanic Populations in Southwest Texas. American Academy of Forensic Sciences 62nd Annual Meeting, February 22-27, Seattle, WA. Abstract: *Proceedings American Academy of Forensic Sciences* 16:244.

Hamilton MD and Melbye FJ (2009) Going Green: Environmentally Sound Practices in Human Decomposition Research and Laboratory Settings. American Academy of Forensic Sciences 61st Annual Meeting, February 16-21, Denver, CO. Abstract: *Proceedings American Academy of Forensic Sciences* 15:356-357.

Melbye FJ and **Hamilton MD** (2009) Creating an Open-Air Forensic Anthropology Human Decomposition Research Facility. American Academy of Forensic Sciences 61st Annual Meeting, February 16-21, Denver, CO. Abstract: *Proceedings American Academy of Forensic Sciences* 15:302-303.

Parks CL, Brandt ET, **Hamilton MD**, Pechal J, and Tomberlin JK (2009) A Study of the Human Decomposition Sequence in Central Texas. American Academy of Forensic Sciences 61st Annual Meeting, February 16-21, Denver, CO. Abstract: *Proceedings American Academy of Forensic Sciences* 15:357.

Synstelién JA, Klippel WE, and **Hamilton MD** (2005) Raccoon foraging as a taphonomic agent of soft tissue modification and scene alteration. American Academy of Forensic Sciences 57th Annual Meeting, February 21-26, New Orleans, LA. Abstract: *Proceedings American Academy of Forensic Sciences* 11:335-336.

4. Abstracts – Continued

Hamilton MD and Marks MK (2004) Metastatic carcinoma: Skeletal pattern and diagnosis. American Association of Physical Anthropologists 73rd Annual Meeting, April 14-17, Tampa, FL. Abstract: *American Journal of Physical Anthropology Supplement* 38:107.

Devlin JL and **Hamilton MD** (2003) Supply and demand: Trends and training in forensic anthropology. American Academy of Forensic Sciences 55th Annual Meeting, February 17-22, Chicago, IL. Abstract: *Proceedings American Academy of Forensic Sciences* 9:267-268.

Synsteliën JA and **Hamilton MD** (2003) Expressions of handedness in the vertebral column. American Academy of Forensic Sciences 55th Annual Meeting, February 17-22, Chicago, IL. Abstract: *Proceedings American Academy of Forensic Sciences* 9:239.

4. Abstracts - Continued

Hamilton MD, Benedix DC and Marks MK (2000) Differential decomposition: Taphonomic variation in a Tennessee double homicide. American Academy of Forensic Sciences 52nd Annual Meeting, February 23-26, Reno, NV. Abstract: *Proceedings American Academy of Forensic Sciences* 6:230.

Hamilton MD and Marks MK (1998) Oral pathology in a Southeastern Mississippian Period site. American Association of Physical Anthropologists 67th Annual Meeting, April 2-4, Salt Lake City, UT. Abstract: *American Journal of Physical Anthropology Supplement* 26:167.

5. Reports

(Forensic Anthropology Reports):

2007-2014: Approximately 21 forensic anthropology case reports (i.e., analysis of human skeletal remains) or consultations (i.e., human versus non-human scene analysis) performed for federal, state, and local law enforcement agencies and Medical Examiner's offices (please see section "III. SCHOLARLY/CREATIVE; 3. Consultancies")

(NAGPRA Reports):

2012: Center for Archaeological Studies, NAGPRA Bioarchaeological Report (with MK Spradley) on human skeletal remains from the bus loop/ticket booth construction on the campus of Texas State University-San Marcos, TX (41HY160)

2010: Center for Archaeological Studies, NAGPRA Bioarchaeological Report (with KE Stull) on human skeletal remains from the Wonder World Extension, San Marcos, TX

2009: Texas Department of Transportation, NAGPRA Bioarchaeological Report (with MK Spradley) on multiple human skeletal remains from the Texas panhandle (site 41RB112)

6. Book Reviews

Hamilton MD (2013) A Bioarchaeological Study of Medieval Burials on the Site of St Mary Spital: Excavations at Spitalfields Market, London E1, 1991-2007 by B Connell, AG Jones, R Redfern and D Walker. *American Journal of Physical Anthropology* 153:570. (Impact Factor: 2.8)

6. Book Reviews – Continued

Hamilton MD (2009) Forensic Anthropology: Contemporary Theory and Practice by DA Komar and JE Buikstra. *American Journal of Physical Anthropology* 138:243-244. (Impact Factor: 2.8)

Hamilton MD (2007) The Body as Material Culture: A Theoretical Osteoarchaeology by JR Sofaer. *American Journal of Physical Anthropology* 132:161-162. (Impact Factor: 2.8)

Hamilton MD (2006) Interacting with the Dead: Perspectives on Mortuary Archaeology for the New Millennium by GFM Rakita, JE Buikstra, LA Beck, and SR Williams (editors). *American Journal of Physical Anthropology* 131:572-573. (Impact Factor: 2.8)

B. Works not in Print

1. Papers Presented at Professional Meetings

Watson CC and **Hamilton MD** (2014) Utility of the Petrous Portion in Estimating Sex of Unknown Skeletal Remains. Society for American Archaeology 79th Meeting, Austin, TX.

Wescott DJ, Mavroudas SR, **Hamilton MD**, Spradley MK, Pharr L, Sears AM and Tomberlin J (2013) Regional Factors in Central Texas Affecting Postmortem Decomposition in Human Remains. American Academy of Forensic Sciences 65th Meeting, Washington, DC.

Marks MK and **Hamilton MD** (2013) Histopathology and Differential Diagnosis of a Pelvic Calcification. American Association of Physical Anthropologists 82nd Meeting, Knoxville, TN.

Stull KE, Sauerwein K, and **Hamilton MD** (2013) DISH in Obese Individuals: Manifestations and Differential Diagnosis in a Pathological Pubis. American Association of Physical Anthropologists 82nd Meeting, Knoxville, TN.

Tegtmeyer CE and **Hamilton MD** (2012) A Comparative Analysis of Serrated and Non-Serrated Knife Trauma. American Association of Physical Anthropologists 81st Meeting, Portland, OR.

Kjellstrom A and **Hamilton MD** (2012) Identifying Sharp Force Defects: An Analysis of Ambiguous Skeletal Trauma Recovered from the Wreck of the Royal Swedish Battleship *Kronan*. American Association of Physical Anthropologists 81st Meeting, Portland, OR.

Sauerwein K and **Hamilton MD** (2012) Estimating the Postmortem Interval From the Pattern of Staining on Skeletal Remains. American Academy of Forensic Sciences 64th Meeting, Atlanta, GA.

Mavroudas SR, Wescott DJ, Spradley MS, **Hamilton MD**, Stull KE (2012) The Forensic Anthropology Center at Texas State University. American Academy of Forensic Sciences 64th Meeting, Atlanta, GA.

Stadler S*, Perrault K, Stefanuto PH, Brokl M, LeBlanc H, **Hamilton MD**, Mavroudas S, Spradley K, Wescott D, Tomberlin K, Tarone A, Crippen T, Benbow E, Focant J, Forbes S (2012) Did Halloween Scare Away the VOCs? An investigation into the production of VOCs from Human Decomposition. 3rd Annual UOIT Graduate Student Research Conference, University of Ontario, Canada. *NB: Student awarded 1st place oral presentation.

Hamilton MD (2011) Forensic Anthropology at Texas State University-San Marcos: A Student and Practitioner-Centered Approach to Legal Casework. Texas Association of Biological Anthropologists Annual Meeting, San Marcos, TX.

1. Papers Presented at Professional Meetings – Continued

Tegtmeyer CE and **Hamilton MD** (2011) Patterning of Serrated and Non-Serrated Sharp Force Trauma to Bone. Texas Association of Biological Anthropologists Annual Meeting, San Marcos, TX.

Marrero IJ and **Hamilton MD** (2010) Color of Dentine as an Age Indicator for Hispanic Populations in Southwest Texas. American Academy of Forensic Sciences 62nd Meeting, Seattle, WA.

Hamilton MD and Melbye (2009) Going Green: Environmentally Sound Practices in Human Decomposition Research and Laboratory Settings. American Academy of Forensic Sciences 57th Meeting, Denver, CO.

Hamilton MD and Melbye (2009) Creating an Open-Air Forensic Anthropology Human Decomposition Research Facility. American Academy of Forensic Sciences 57th Meeting, Denver, CO.

Parks CL, Brandt ET, **Hamilton MD**, Pechal J, and Tomberlin JK (2009) A Study of the Human Decomposition Sequence in Central Texas. American Academy of Forensic Sciences 57th Meeting, Denver, CO.

Hamilton MD (2006) What Happened to all the Paleoindians? New Theories on the Settling of the Americas. Southwest Texas Popular Culture/American Indians Today in Popular Culture Conference, Albuquerque, NM.

Hamilton MD (2005) Making it So: Kennewick Man, Tribal Sovereignty, and the Practice of Anthropology. American Anthropological Association 104th Meeting, Washington, D.C.

Hamilton MD (2005) Tribal Sovereignty and its Impact to the Discipline of Anthropology. Southern Anthropological Society 40th Meeting, Chattanooga, TN.

Synstelién JA, Klippel WE, and **Hamilton MD** (2005) Raccoon Foraging as a Taphonomic Agent of Soft Tissue Modification and Scene Alteration. American Academy of Forensic Sciences 57th Meeting, New Orleans, LA.

Townsend RG and **Hamilton MD** (2004) Prehistoric Skeletal Studies: Benefits to Modern Cherokee Communities. Appalachian Studies Conference 27th Meeting, Cherokee, NC.

Hamilton MD and Marks MK (2004) Metastatic Carcinoma: Skeletal Pattern and Diagnosis. American Association of Physical Anthropologists 73rd Meeting, Tampa, FL.

Devlin JL and **Hamilton MD** (2003) Supply and Demand: Trends and Training in Forensic Anthropology. American Academy of Forensic Sciences 55th Meeting, Chicago, IL.

Synstelién JA and **Hamilton MD** (2003) Expressions of Handedness in the Vertebral Column. American Academy of Forensic Sciences 55th Meeting, Feb Chicago, IL.

Hamilton MD, Benedix DC and Marks MK (2000) Differential Decomposition: Taphonomic Variation in a Tennessee Double Homicide. American Academy of Forensic Sciences 52nd Meeting, Reno, NV.

Hamilton MD and Marks MK (1998) Oral Pathology in a Southeastern Mississippian Period Site. American Association of Physical Anthropologists 67th Meeting, Salt Lake City, UT.

2. Invited Talks, Lectures, Presentations

1999-2009, 2014-2015: Human Remains Recovery School, FBI Evidence Recovery Team
2012: Forensic Anthropology Society, Texas State University, Invited Speaker Series
2011: Forensic Anthropology and FACTS. FBI Citizen's Academy, San Antonio, TX.
2011: Forensic Anthropology Society, Texas State University, Invited Speaker Series
2011: East Tennessee State University, Anthropology Speaker Series
2011: Texas A&M University, Forensic Science Seminar
2010: Texas Center for the Judiciary, Lone Pine
2010: Texas Division of the International Association for Identification
2010: Texas Division of the International Association for Identification
2010: Texas Association of College and University Police Administrators
2009: Texas Department of Public Safety. Texas State Trooper Academy
2009: Discover Texas State (Oct 2009)
2009: Discover Texas State, (April 2009)
2008: Texas Division of the International Association for Identification
2008: Freeman Ranch Fundraising Drive
2008: Association of Medical Transcriptionists-Austin
2008: Discover Texas State
2007: Forensic Science Institute at the University of Central Oklahoma
2007: Texas A&M University, Forensic Science Seminar
2007: Texas Department of Public Safety. Texas State Trooper Academy
2006: Texas Department of Public Safety. Texas State Trooper Academy

3. Consultancies (Forensic Anthropology Consults/Casework at Texas State University)

- Texas Rangers
- Federal Bureau of Investigation (Nacogdoches, Texas)
- Federal Bureau of Investigation (San Antonio, Texas)
- Federal Bureau of Investigation (Chicago, Illinois)
- Bexar County Medical Examiner's Office
- Cameron County Law Enforcement
- Floresville Police Department
- Guadalupe County Sheriff's Office
- Kerr County Sheriff's Office
- Lee County Sheriff's Office
- Luling Police Department
- New Braunfels Police Department
- San Antonio Police Department
- Travis County Medical Examiner's Office
- Travis County Sheriff's Office
- Waller County Sheriff's Office
- Webb County Sheriff's Office
- Williamson County Sheriff's Office
- Expert Witness, Cook County Illinois (Burr Oaks Cemetery case)

4. Workshops/Media Programs

2012: PBS Television, “NOVA Science Now.”

Episode: “Can Science Stop Crime?” (aired October 17, 2012)

2011: National Geographic, “The Decrypters: Skeletal Cold Case Files” (four part series)*

Episode 1: “The Last Mohican?” (aired March 29, 2012)

Episode 2: “Body Snatchers” (aired April 19, 2012)

Episode 3: “Gold Rush Murder” (aired April 26, 2012)

Episode 4: “Cowboy Corpse” (aired May 10, 2012)

**NB: Funding from National Geographic series generated \$11k in \$1000.00 graduate student scholarships, allowing for in-state tuition for every admitted 2011 Fall incoming forensic anthropology graduate student.*

2007-2012: Extensive local, national, and international promotion of the Forensic Anthropology Center at Texas State (FACTS) to print and news media outlets, including National Public Radio, CBC Canada, National Geographic, Austin Chronicle, Associated Press, Houston Chronicle, Austin American Statesman, University Star, Hays Free Press, San Antonio Express, Popular Science Magazine, Research Texas, Hillviews, and local (Austin and San Antonio) FOX, ABC, NBC, CBS affiliates.

2010: “Human Remains Recovery Workshop.” Funding for the Forensic Anthropology Center at Texas State University. \$10,000.00.

2010: “Outdoor Recovery of Human Remains.” TEEX Law Enforcement Training Course. Funding for the Forensic Anthropology Center at Texas State University. \$12,000.00.**NB: Funding from FBI and TEEX workshops generated \$4K in \$1000.00 graduate student scholarships, allowing for in-state tuition for every admitted 2010 Fall incoming forensic anthropology graduate student.*

2010: “FBI Latent Fingerprint Workshop.” Funding for the Forensic Anthropology Center at Texas State University. \$10,000.00.**NB: Funding from FBI and TEEX workshops generated \$4K in \$1000.00 graduate student scholarships, allowing for in-state tuition for every admitted 2010 Fall incoming forensic anthropology graduate student.*

2010: “Texas Forensic Anthropology Annual Mini-Conference.” San Marcos, TX.

2007: “Is it Human?” Forensic Anthropology Workshop for Law Enforcement, Texas State.

2006: “Bugs, Bones, and Bodies.” Forensic Anthropology Workshop for TCLEOSE credit.

5. Other Works not in Print:

b. Works “in progress”

Hamilton MD and Marks MK (in progress) Stone children, calcified fetuses, and leiomyomas: The diagnosis of uterine masses in human skeletal remains. Manuscript to be submitted to the *International Journal of Paleopathology*.

Hamilton MD and Rogers J (in progress) Mississippian dental health at Averbuch. Manuscript to be submitted to the *American Journal of Physical Anthropology*.

b. Works “in progress” – Continued

Sauerwein K and **Hamilton MD**, The Taphonomy of Bone Staining: Its Significance and Application to the Postmortem Interval. To be submitted to *Forensic Science International* (Submitted 2015)

Tegtmeyer CE and **Hamilton MD**, A Comparative Analysis of Serrated and Non- Serrated Sharp Force Trauma to Bone. To be submitted to *Journal of Forensic Sciences* (Submitted 2015)

Watson CC and **Hamilton MD**, Estimating sex of contemporary American individuals through metric measurements of the petrous portion. To be submitted to *Journal of Forensic Sciences*.

Aitkenhead-Peterson JA, Fancher JP, Alexander MB, **Hamilton MD**, Bytheway JA and Wescott DJ, Predicting postmortem interval for human cadavers using UV-Vis-near infrared spectroscopy in a sub-tropical climate. To be submitted to *Forensic Science International*.

Hamilton MD and Spradley MK (in progress) Traumatic signatures of vulture scavenging on human skeletal remains. Manuscript to be submitted to *Forensic Science International*.

C. Grants and Contracts

1. Funded External Grants and Contracts

2012: **Hamilton MD** (with MK Spradley), Center for Archaeological Studies, NAGPRA Bioarchaeological Analysis Contract. Human skeletal remains from the bus loop/ticket booth construction on the campus of Texas State University-San Marcos, TX (41HY160). Amount: ~\$1000.00.

2010: **Hamilton MD** (with KE Stull), Center for Archaeological Studies, NAGPRA Bioarchaeological Analysis Contract. Human skeletal remains from the Wonder World Extension, San Marcos, TX. Amount: ~\$1000.00.

2010: **Hamilton MD** (Co-PI) with MK Spradley (PI) National Institute of Justice, “Isotopic and Elemental Analysis of the William M. Bass Donated Skeletal Collection and other Modern Donated Collections.” Sub-contract with Mississippi State University. Amount: \$19,300.00. Funded Forensic Anthropology graduate student Caryn Tegtmeyer.

2009: **Hamilton MD** (with MK Spradley), Texas Department of Transportation, NAGPRA Bioarchaeological Analysis Contract. Multiple human skeletal remains from the Texas panhandle (site 41RB112). Amount: ~\$1000.00.

2. Submitted, but not Funded, External Grants and Contracts

2012: **Hamilton MD** (PI) with MK Spradley and A Giordano (Co-PIs), National Institute of Justice, “Developing a Spatial Analytical Model and Taphonomic Reference for Use in Animal-Scavenged Death Scenes.” Amount: ~\$300,000.00.

2012: Peterson J (PI), with **MD Hamilton** and MK Spradley (Co-PIs), National Institute of Justice, “Determination of post-mortem interval under avian scavenged human remains and whole human remains using soil chemistry and diffuse reflectance NIR spectroscopy.” Sub-contract with Texas A&M University. Amount: ~\$TBD

2. Submitted, but not Funded, External Grants and Contracts – Continued

2011: **Hamilton MD** (PI) with JL Devlin, NP Herrmann and G Schroedl (Co-PIs), National Institute of Justice, “Revealing Clandestine Graves Through Multiple Instrument Geophysical Surveys: A Longitudinal, Multiple Locality Study Assessing the Effectiveness of Five Techniques.” Sub-contract with The University of Tennessee Knoxville. Amount: ~\$57,000.00

2011: **Hamilton MD** (PI) with MK Spradley (Co-PI), National Science Foundation “Dimensions: Collaborative Research: Bacterial diversity influences competitive interactions of native and introduced blow fly species on ephemeral resources.” Sub-contract with Texas A&M University. Amount: N/A.

2010: **Hamilton MD** (PI) with MK Spradley and A Giordano (Co-PIs), National Institute of Justice, “Project Avian: Estimating the Postmortem Interval at Scavenged Death Scenes.” Amount: ~\$300,000.00.

2010: **Hamilton MD** (PI) with graduate student K Sauerwein (Co-PI), National Institute of Justice, “Bone Staining and Estimations of Time Since Death.” Amount: ~\$60,000.00.

2010: **Hamilton MD**, Spradley MK and Bousman CB (Co-PIs) Texas Legislative Appropriations Request/Exceptional Item Request “Texas Forensic Training and Service Initiative.” Amount: ~\$2 Million

2008: **Hamilton MD** (PI) National Institute of Justice: “Assessing Ethnicity in Modern American Skeletal Remains.” Amount: ~\$30,000.00

3. Funded Internal Grants and Contracts

2012: **Hamilton MD**. Freeman Fellows Award (Texas State University-San Marcos): Faculty Sponsor for graduate student research project (Soto, McClain, Springs, and Tegtmeier). Amount: \$1500.00

2009: **Hamilton MD**, REP Grant (Texas State University-San Marcos): *Estimating the Postmortem Interval via Observations of Bone Weathering*. \$8000.00. (Funded forensic anthropology graduate student K. Sauerwein)

2008: **Hamilton MD**, REP Grant (Texas State University-San Marcos): *An Investigation into Cause of Death and the Controversial Phenomenon of Pink Teeth*. \$7500.00.

D. Fellowships, Awards, Honors:

2011 Dean’s Excellence Award in Scholarly/Creative Activity, College of Liberal Arts (\$1000.00)

IV. SERVICE

A. Institutional

1. University Service

- Director, Forensic Anthropology Center at Texas State (2008-2010)
- Director, Forensic Anthropology Research Facility (2008)

2. Departmental Service

- Graduate Advisor, Department of Anthropology (2013-2015)
- Graduate College Graduate Scholarship Committee (2015)
- Faculty Search Committee - Texas State University tenure track forensic anthropology position (Dr. Nicholas Herrmann, hire) in the Department of Anthropology (2014/2015)
- Faculty Search Committee - Texas State University tenure track cultural anthropology position (Dr. Monica Schoch-Spana, hire) in the Department of Anthropology (2014)
- Graduate College Graduate Scholarship Committee (2014)
- Departmental Promotion Committee (2014)
- Departmental Website Committee (2013-Current)
- Departmental Curriculum Committee (2011)
- Graduate Student Scholarship Committee (2011-Current)
- Created GOJA for Forensic Anthropology Coordinator position (Program Faculty)
- Faculty Search Committee - Texas State University tenure track forensic anthropology position (Dr. Daniel Wescott, hire) in the Department of Anthropology (2010)
- Faculty Search Committee - Texas State University tenure track forensic anthropology position (unfilled search) in the Department of Anthropology (2009)
- Faculty Search Committee - Texas State University tenure track forensic anthropology position (Dr. M. Katherine Spradley, hire) in the Department of Anthropology (2007)
- Developed ANTH 5321-Seminar in Forensic Anthropology, a critical theory and methodology course
- Bobcat Days (2009, 2012)
- Discover Texas State (2008, 2009, 2009)
- Faculty Mentor (Texas State University), Forensic Anthropological Society (2008-2009)
- Texas Association of Biological Anthropologists Student Presentation Judge (2011)

B. Professional Service

- Diplomate, American Board of Forensic Anthropology
- Member, American Academy of Forensic Sciences
- Member, American Association of Physical Anthropologists
- Expert Witness, Cook County IL
- Anonymous reviewer, *American Journal of Physical Anthropology* manuscript (2007)
- Anonymous reviewer, University of Central Oklahoma forensic anthropology grant proposal (2011)
- Attendee: "Putting Our Forensic House in Order: The Best Path Forward" Special Session #1. American Academy of Forensic Sciences, Seattle, WA (2010)
- Attendee: "Taphonomy of Bone Destruction: Information Lost, Information Gained" Workshop #10. American Academy of Forensic Sciences, Seattle, WA (2010)
- Attendee: "Mimics of Child Abuse Seminar." Harris County Institute of Forensic Sciences (2010)
- Attendee: "Syracuse University Dialogue in Forensic Science: Trauma I." (2010)
- Attendee: "Quality Assurance in Human Identification" Workshop #12. American Academy of Forensic Sciences, Denver, CO (2009)

C. Community Service

- Forensic Anthropology casework services provided to law enforcement and medicolegal agencies from 2007-Current (please see section "III. SCHOLARLY/CREATIVE; 3. Consultancies")
- Mentor for Joshua Roper, College Preparatory School of Science and Technology-Alamo (SST), Science Project ("Rate of Decompositional Soft Tissue Loss in Buried and Surface Environments") presented at the 2014 Intel International Science & Engineering Fair, Los Angeles, CA, May 11-16.