

CURRICULUM VITAE
Jonathan D. Bethard
December 2020

2014 – 2016 Sierra Santana, MS committee chair
 2015 – 2017 Ashley Curtis, MS committee chair
 2015 – 2017 Christopher Eck, MS committee chair
 2015 – 2017 Katie Faillace, MS committee chair
 2015 – 2017 Kimberly Lombardi, committee chair
 2015 – 2017 James Admans, MS committee chair

Pellissippi State Community College – Knoxville, TN

2008-2011 Instructor (tenure-track), Department of Natural and Behavioral Sciences

Courses Offered:

Physical Anthropology (ANT 1100)
 Prehistoric Archaeology (ANT 1200)
 Introduction to Cultural Anthropology (ANT 1300)
 Special Topics in Anthropology (ANT 2590)

2006-2007 Adjunct Instructor, Department of Natural and Behavioral Sciences

Course Offered:

Anatomy and Physiology I Laboratory (BIOL 2010)

Institutional Service – Pellissippi State

2010 Chairperson, International Education Committee
 2010 Member, Tennessee Board of Regents (TBR) International Education Committee

Tennessee Consortium for International Studies (TnCIS) – Knoxville, TN

2011 Program Director and Instructor of Anthropology – South Africa (2011)

Course Offered: Introduction to Cultural Anthropology

Program Director and Instructor of Anthropology – Peru (2011)

Course Offered: Prehistoric Archaeology

2009-2010 Instructor of Anthropology – South Africa (2009, 2010)

Course Offered: Introduction to Cultural Anthropology

The University of Tennessee-Chattanooga – Chattanooga, TN

2008-2011 Adjunct Instructor, Department of Sociology, Anthropology, and Geography

Courses Offered: Forensic Anthropology (ANT 412)

Maryville College – Maryville, TN

2011 Adjunct Instructor, Division of Social Sciences

Course Offered: Cultural Anthropology (SOC 211)

EMPLOYMENT – DISASTER RELIEF POSITIONS HELD

2010 Forensic Anthropologist, United State Department of Health and Human Services,
 Disaster Mortuary Operational Response Team (DMORT) – Region IV

Deployments:

◁ Haiti (2010)

HONORS AND AWARDS

2019 Dean’s Teaching Excellence Award (USF)
 2014 AAPA Early Career Executive Committee Mentee
 2010 Sigma Xi (UTK Chapter) Student Competition – 1st place
 2009 Sigma Xi (UTK Chapter) Student Competition – 1st place
 2002 Phi Beta Kappa

2013 **Jonathan D. Bethard**, “Isotopes” In E.A. DiGangi, & M.K. Moore (Eds.), *Research Methods in Human Skeletal Biology*. San Diego: Academic Press.

PUBLICATIONS – PEER REVIEWED ARTICLES

- In Prep **Jonathan D. Bethard**, Timothy J. Ainger, Andre Gonciar, and Zsolt Nyárádi. Surviving (but not thriving) after cranial vault trauma: a case study from Transylvania. Invited manuscript to be submitted to *International Journal of Paleopathology*. Currently under review by special issue editors.
- In Review Ann Ross, Elizabeth A. DiGangi, and **Jonathan D. Bethard**. Ancestry Studies in Forensic Anthropology: On the Frontier of Racism. Manuscript submitted to *Frontiers in Genetics*.
- In Review Maddeline R. Voas, Kristina Killgrove, Robert H. Tykot, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Childhood in the Carpathians: An isotopic analysis of childhood diet and weaning in an ethnically Hungarian medieval Transylvanian village. Manuscript submitted to *Journal of Archaeological Science: Reports*
- In Press Elizabeth A. DiGangi and **Jonathan D. Bethard**. Uncloaking a Lost Cause: Forensic Anthropology and Ancestry Estimation in the United States. *American Journal of Physical Anthropology*.
- In Press Martha Smith-Blackmore and **Jonathan D. Bethard**. A Multidisciplinary Investigation of Chronic Animal Abuse: Collaboration Between Veterinary Forensics and Forensic Anthropology. *Journal of Forensic Sciences*. DOI: 10.1111/1556-4029.14576
- 2020 Heidi Miller, Jean Louise Lammie, Liotta Noche-Dowdy, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Differential Diagnosis of Calcified Nodules from a Medieval Székely Burial from Transylvania. *International Journal of Paleopathology* 28:42-47.
- 2019 Christopher Eck, Elizabeth A. DiGangi, and **Jonathan D. Bethard**. Assessing the Efficacy of Isotopic Provenancing of Human Remains in Colombia. *Forensic Science International*, 302:109919.
- 2019 Katie Zejdlik, **Jonathan D. Bethard**, Zsolt Nyárádi, and Andre Gonciar. The Medieval Transylvanian Oral Condition: A Case Study in Interpretation and Standardization. *Dental Anthropology* 32(2):77-81.
- 2019 **Jonathan D. Bethard**, Jacqueline M. Berger, Justin Maiers, and Ann H. Ross. Bone Mineral Density Adult Age Estimation in Forensic Anthropology: A Test of the DXAGE Application. *Journal of Forensic Sciences* 64(4):1125-1128.
- 2019 Deborah D. Graham and **Jonathan D. Bethard**. Reconstructing the Origins of the Perrins Ledge Cremains pJTJETQq0.[9y/F2ETQq/F2 12 TfB)nBT/ 12.97 T8 ,nQq(hil)-3(dhood0000912 0 612 792 reW

- 2018 Corey R. Pollock, James T. Pokines, and **Jonathan D. Bethard**. Organic Staining on Bone from Exposure to Wood and Other Plant Materials. *Forensic Science International* 283:200-210.
- 2017 Katie E. Faillace, **Jonathan D. Bethard**, and Murray K. Marks. The Applicability of Dental Wear in Age Estimation for a Modern American Population. *American Journal of Physical Anthropology* 164:776–787.
- 2017 Sierra Santa, **Jonathan D. Bethard**, and Tara L. Moore. Accuracy of Dental Age in Non-adults: A Comparison of Two Methods for Age-Estimation Using Radiographs of Developing Teeth. *Journal of Forensic Sciences* 62(5): 1320-1325.
- 2017 Ashley L. Brennaman, Kim Love-Myers, **Jonathan D. Bethard**, and James Pokines. A Bayesian Approach to Age-At-Death Estimation from Osteoarthritis of the Shoulder in Modern North Americans. *Journal of Forensic Sciences* 62(3): 573–584.
- 2017 Emily M. Peschel, Dan Carlsson, **Jonathan D. Bethard**, and Mary Beaudry. Who resided in Ridanäs?: A study of mobility on a Viking Age trading port in Gotland, Sweden. *Journal of Archaeological Science: Reports* 13: 175–184.
- 2017 **Jonathan D. Bethard**. Historical Trends in Graduate Research and Training of Diplomates of the American Board of Forensic Anthropology. *Journal of Forensic Sciences* 62(1): 5–11.
- 2013 **Jonathan D. Bethard** and Billie L. Seet, “Sex Determination from the Second Cervical Vertebra: A Test of Wescott’s Method on a Modern American Sample.” *Journal of Forensic Sciences* 58(1)101-103.
- 2011 Rebecca J. Wilson, **Jonathan D. Bethard**, and Elizabeth A. DiGangi. The Use of Orthopedic Surgical Devices for Forensic Identification. *Journal of Forensic Sciences* 56(2):460-469.
- 2010 Elizabeth A. DiGangi, **Jonathan D. Bethard**, and Lynne P. Sullivan. Differential Diagnosis of Cartilaginous Dysplasia and Probable Osgood-Schlatter’s Disease in a Mississippian Individual from East Tennessee. *International Journal of Osteoarchaeology* 20(4) 424-442.
- 2009 Elizabeth A. DiGangi, **Jonathan D. Bethard**, Erin H. Kimmerle, and Lyle W. Konigsberg. A New Method for Estimating Age-at-Death from the First Rib. *American Journal of Physical Anthropology* 138(2): 164-176.
- 2009 Catherine Gaither, **Jonathan Bethard**, Jonathan Kent, Victor Vasquez Sanchez, Teresa Rosales Tham, and Richard Busch. Str

PUBLICATIONS – REVIEWS

2014 *Forensic Anthropology: An Introduction*. Edited by MariaTeresa Tersigni-Tarrant and Natalie R. Shirley. *American Journal of Physical Anthropology* 154(1):166-167.

PUBLICATIONS – TECHNICAL REPORTS

2006 Análisis de restos humanos. In: Rosales, T., Kent, J., Vásquez V., Gaither, C., y **Bethard, J.** *Informe Final, temporada 2006: Manejo ecosustentable y desarrollo cultural del Complejo*
Centro de Investigaciones Arqueobiológicas y Paleoecológicas
Andinas-"ARQUEBIOS", Metropolitan State College of Denver, California Institute for Peruvian
Studies. Informe sometido a la Comisión Técnica de Arqueología, Instituto Nacional de Cultura,
Lima.

PROFESSIONAL SERVICE

Editorial Board

< *Journal of Forensic Sciences* (2020 – 2025)

Program Committee

< American Academy of Forensic Sciences (2018, 2019)
< American Association of Physical Anthropology (2018, 2019, 2020, 2021)
< Society for American Archaeology (2019)

Panel Reviewer – National Science Foundation

< SBE Postdoctoral Research Fellowship (SPRF) – (2016)

Panel Reviewer – National Science Foundation

< Graduate Research Fellowship Program (GRFP): Anthropology & Archaeology – (2015)

Conference Organizer and Host

< 31st Annual Northeast Conference on Andean Archaeology and Ethnohistory
Boston University (October 20-21, 2012)

Grant Reviewer – Institute of International Education, Houston, TX

< Benjamin A. Gillman International Scholarship Program (2011, 2012)

Manuscript Reviewer

American Journal of Physical Anthropology
American Anthropologist
Forensic Anthropology
Fragments: Interdisciplinary Approaches to the Study of the Ancient and Medieval Past
International Journal of Osteoarchaeology
International Journal of Paleopathology
Journal of Field Archaeology
Journal of Forensic Sciences
PlosONE
Science and Technology of Archaeological Research

FORENSIC ANTHROPOLOGY CONSULTATION

- < Animal Rescue League of Boston
- < Bradford County (PA) Coroner's Office
- < Delaware County (PA) Coroner's Office
- < Hillsborough County (FL) Medical Examiner (District #13)
- < Miami-Dade County (FL) Medical Examiner (District #11)
- < Polk/Hardee/Highlands (FL) Medical Examiner (District #10)

INVITED LECTURES

- 2020 Eberhard Karls Universität Tübingen (Germany) – Colloquium Conservation (Zoom)
“Bioarchaeology and Forensic Anthropology”
- 2018 California State University, Chico – Chico Forensic Conference
“Research Trends and New Developments in Forensic Anthropology”
- 2018 Florida Atlantic University – Department of Anthropology
“Marginalized Motherhood: Maternal Health and Infant Death in Medieval Transylvania”
- 2017 University of West Florida – Brown Bag Lunch
“Marginalized Motherhood: Maternal Health and Infant Death in Medieval Transylvania”
- 2017 University of Central Florida – Graduate Anthropology Association
“Buried beneath the floor: maternal health and infant mortality in 17th century Transylvania”
- 2017 Pennsylvania State University – Graduate Student Colloquium.
“From infants to elders: bioarchaeological research in Hungarian Transylvania”
- 2016 University of Wisconsin-Milwaukee – Anthropology Colloquium.
“Infants to elders: bioarchaeological research in Hungarian Transylvania”
- 2016 University of Arizona – Anth 395 “Forensic Anthropology in Latin America”
- 2015 Harvard University – Anthro 1202 “Forensic Anthropology in Latin America”
- 2015 Quinnipiac University Society of Anthropology (University of Connecticut) – Society S# 0

Anaheim, CA February 17-22.

- 2019 “Surviving a Traumatic Head Injury in Medieval Europe: A Case Study from Transylvania” by **Jonathan D. Bethard**, Timothy Ainger, Andre Gonciar, and Zsolt Nyárádi. Paper presented at the 25th Annual Meeting of the European Association of Archaeologists, Bern, Switzerland, September 4-7.
- 2019 “Burial patterns within the walls of a medieval Transylvanian Székely Church” by Katie Zejdlik, **Jonathan D. Bethard**, Zsolt Nyárádi, and Andre Gonciar. Poster presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM, April 10-14.
- 2019 “Testing a computational approach for estimating age-at-

- A. Mezhoudi, R. Boussahla, A. Slimani, Eliabeth A. DiGangi, and **Jonathan D. Bethard**. Poster presented at the 69th Annual Meeting of American Academy of Forensic Sciences, New Orleans, LA, February 13-18.
- 2016 “Infants and elders: a bioarchaeological investigation of a Reform Church in Hungarian Transylvania” by **Jonathan D. Bethard**, Anna J. Osterholtz, Zsolt Nyárádi, and Andre Gonciar. Paper presented at the 22nd Annual Meeting of the European Association of Archaeologists, Vilnius, Lithuania, August 31-September 4.
- 2016 “Coming of age as a discipline: eighty-five years of forensic anthropology in the AAPA” by **Jonathan D. Bethard**. Invited poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-16.
- 2016 “A probable case of rheumatoid arthritis from medieval Transylvania” by Savanna L. Bailey, Samantha B. Kondor, **Jonathan D. Bethard**, Zsolt Nyárádi, and Andre Gonciar. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-16.
- 2016 "Marginalized Motherhood: Infant Burial in 17th Century Transylvania" by **Jonathan D. Bethard**, Anna J. Osterholtz, Zsolt Nyárádi, and Andre Gonciar. Invited paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, FL, April 6-10.
- 2016 “Estimating ancestry in South Africa: a comparison of geometric morphometrics and traditional craniometrics” by Rebecca King, **Jonathan D. Bethard**, and Donald F. Siwek. Paper presented at the 68th Annual Meeting of American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 “Accuracy of dental age in non-adults: a comparison of two methods for age estimation using radiographs of developing teeth” by Sierra Santana, **Jonathan D. Bethard**, and Tara L. Moore. Poster presented at the 68th Annual Meeting of American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 “Age estimation using the sternal end of the clavicle: a test of the Falys and Prangle Archaeological Method for Forensic Application” by Meghan Price, James Pokines, and **Jonathan D. Bethard**. Poster presented at the 68th Annual Meeting of American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2015 “Distinguishing impairment from disability in the bioarchaeological record: An example from DeArmond mound (40RE12) in east Tennessee” by **Jonathan D. Bethard**,

- Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, April 8 – 12.
- 2014 “Possible Prenatal and Perinatal Scurvy at Telekfalva, Romania” by Anna J. Osterholtz, **Jonathan D. Bethard**, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, April 8 – 12.
- 2014 “Validation Study of the Ubelaker and London Dental Atlases” by Carissa A. Fu, Tracie Hensen, and **Jonathan D. Bethard**. Poster presented at the 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, April 8 – 12.
- 2014 “The Mysterious Elder: A Bioarchaeological analysis of Burial 61 at Telekfalva, Harghita Romania” by Jennifer Stuck, Sara Wallace, **Jonathan D. Bethard**, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 41st Annual North American Meeting of the Paleopathology Association, Calgary, Alberta, April 8-9.
- 2014 “Strontium Isotopes and Geolocation: The Pathway for Identification of Victims in Medellín, Colombia” by Kristen Row, **Jonathan D. Bethard**, and Adam B1.62612 792 1004C00tWu\$70 7yañ

- 2009 “Biological variation resulting from Inka imperialism” by **Jonathan D. Bethard**. Poster presented at the 78th Annual Meeting of the American Association of Physical Anthropologists, Chicago, IL, March 3-April 4.
- 2009 “Aquatic Taphonomy in a Lacustrine Environment: A Case Study from Southeastern Tennessee” by **Jonathan D. Bethard** and Murray K. Marks. Poster presented at the 61st Annual Meeting of the American Academy of Forensic Sciences, Denver, CO, February 16-21.
- 2008 “Entre asma y chimú: estilo ceramic y modo de vivir en el valle medio de chao” by Teresa Rosales Tham, Jonathan D. Kent, Victor Vásquez Sánchez, Catherine Gaither, and **Jonathan Bethard**. Paper presented in the Symposium Reconsiderando el Periodo Intermedio Tardío en la Costa Norte del Perú sponsored by Dumbarton Oaks and Universidad Nacional de Trujillo, Trujillo, Perú, June 5-7.
- 2008 “Stable isotopes from Santa Rita B: subsistence and residential mobility in the Chao Valley of Peru” by **Jonathan D. Bethard**, Catherine Gaither, Teresa Rosales Tham, Victor Vasquez, and Jonathan Kent. Invited paper presented at the 73rd Annual Meeting of the Society for American Archaeology, Vancouver, BC, March 26-30.
- 2008 “A test of an age-at-death method using the first rib” by Elizabeth A. DiGangi and **Jonathan D. Bethard**. Poster presented at the 60th Annual Meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2007 “A test of the Buckberry and Chamberlain revised method for age estimation from the auricular surface using a modern sample” by Natalie L. Shirley and **Jonathan D. Bethard**. Poster presented at the 76th Annual Meeting of the American Association of Physical Anthropologists, Philadelphia, PA, March 27-April 1.
- 2007 “A test of the Igarashi *et al.* method for estimating age-

- 2004 “Skeletal Markers of Parturition: Analysis of a Modern American Sample” by **Jonathan D. Bethard**. Poster presented at the 56th Annual Meeting of the American Academy of Forensic Sciences, Dallas, Texas, February 16 – 21.

ANTHROPOLOGICAL FIELDWORK AND LABORATORY EXPERIENCE

- 2010 Postcranial Juvenile Osteology Professional Development Module – University of Dundee
- 2008 Project Bioarchaeologist, Proyecto Arqueológico Santa Rita B co-directed by Dr. Jonathan Kent and Theresa Rosales-Tham, Chao Valley, Peru.
- 2007 Project Bioarchaeologist and Assistant Field Director, Proyecto Arqueológico Santa Rita B co-directed by Dr. Jonathan Kent and Theresa Rosales-Tham, Chao Valley, Peru.
- 2007 Visiting Researcher for project entitled, “Stable isotopes from Santa Rita B: analyses of paleodiet and residential mobility”, The University of Illinois Urbana-Champaign directed by Dr. Stanley H. Ambrose.
- 2006 Project Bioarchaeologist and Assistant Field Director, Proyecto Arqueológico Santa Rita B co-directed by Dr. Jonathan Kent and Theresa Rosales-Tham, Chao Valley, Peru.
- 2005 Project Participant, Proyecto Arqueológico Santa Rita B co-directed by Dr. Jonathan Kent and Theresa Rosales-Tham, Chao Valley, Peru.
- 2004 Field School Participant – Field Excavator, The University of New Mexico Bioarchaeological Field School directed by Dr. Jane E. Buikstra, Kampsville, Illinois.
- 2003 Field School Participant – Laboratory, The University of New Mexico Bioarchaeological Field School directed by Dr. Jane E. Buikstra, Kampsville, Illinois.
- 2002 Staff Archaeologist, University of Virginia Field School at Thomas Jefferson’s Poplar Forest directed by Dr. Barbara J. Heath, Forest Virginia.
- 2001 Field School Participant, University of Virginia Field School at Thomas Jefferson’s Poplar Forest directed by Dr. Barbara J. Heath, Forest, Virginia.

OTHER TEACHING EXPERIENCE

- 2019 Project Director, USF in Romania, Odorheiu Secuiesc, Romania
- 2018 Project Director, USF in Romania, Odorheiu Secuiesc, Romania
- 2018 Invited Instructor, Human Osteology Workshop, International Committee of the Red Cross (ICRC), Tbilisi, Georgia
- 2017 Project Director, USF in Romania, Odorheiu Secuiesc, Romania
- 2016 Project Director, Osteology and Bioarchaeology Workshops, ArchaeoTek-Canada, Odorheiu Secuiesc, Romania
- 2015 Project Director, Osteology and Bioarchaeology Workshops, ArchaeoTek-Canada, Odorheiu Secuiesc, Romania
- 2014 Project Director, Osteology and Bioarchaeology Workshops, ArchaeoTek-Canada, Odorheiu Secuiesc, Romania
- 2013 Project Director, Osteology and Bioarchaeology Workshops, ArchaeoTek-Canada, Odorheiu Secuiesc, Romania
- 2012 Invited Instructor, Forensic Anthropology Laboratory Methods, United States Department of Justice – ICITAP (International Criminal Investigative Training Assistance Program), Algiers, Algeria
- 2011 Invited Instructor, Human Osteology Laboratory Course, United States Department of Justice – ICITAP (International Criminal Investigative Training Assistance Program), Bogotá, Colombia
- 2010 Invited Instructor, Human Osteology Laboratory Course, United States Department of Justice – ICITAP (International Criminal Investigative Training Assistance Program), Bogotá, Colombia
- 2010 Invited Instructor, Forensic Archaeology Field School, United States Department of Justice – ICITAP (International Criminal Investigative Training Assistance Program), Bogotá, Colombia
- 2010 Field Instructor, The University of Tennessee and Federal Bureau Investigation

Human Remains Recovery School

2009

Invited Instructor, Forensic Archaeology Field School, United States Department of Justice – ICITAP (International Criminal Investigative Training Assistance Program), Bogotá, Colombia

2008

ASSOCIATION MEMBERSHIPS

American Academy of Forensic Sciences – Fellow
American Anthropological Association
American Association of Physical Anthropologists – Lifetime Member
European Association of Archaeologists
Register of Professional Archaeologists
Paleopathology Association
Society for the Study of Childhood in the Past

REFERENCES

David Himmelgreen
Professor
Department of Anthropology
University of South Florida
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Nancy Romero-Daza
Professor
Department of Anthropology
University of South Florida
daza@usf.edu

John (Mac) Marston
Associate Professor
Department of Anthropology
Boston University
marston@bu.edu