

**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 – 1<sup>st</sup> place

2009 Sigma Xi (UTK Chapter) Student Competition – 1<sup>st</sup> 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

< 31<sup>st</sup> 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 17<sup>th</sup> 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 25<sup>th</sup> 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 84<sup>th</sup> 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 69<sup>th</sup> 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 22<sup>nd</sup> 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 85<sup>th</sup> 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 85<sup>th</sup> 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 81<sup>st</sup> 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 68<sup>th</sup> 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 68<sup>th</sup> 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 68<sup>th</sup> 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 83<sup>rd</sup> 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 83<sup>rd</sup> 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 41<sup>st</sup> 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 78<sup>th</sup> 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 61<sup>st</sup> 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 73<sup>rd</sup> 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 60<sup>th</sup> 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 76<sup>th</sup> 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 56<sup>th</sup> 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  
[dhimmelg@usf.edu](mailto:dhimmelg@usf.edu)

Nancy Romero-Daza  
Professor  
Department of Anthropology  
University of South Florida  
[daza@usf.edu](mailto:daza@usf.edu)

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