

CURRICULUM VITAE
Jonathan D. Bethard
December 2020

Professional Address

University of South Florida
Department of Anthropology
4202 E. Fowler Avenue, SOC 107
Tampa, FL 33620-8100 USA
jbethard@usf.edu

EDUCATION

2013 PhD University of Tennessee (Anthropology)

Dissertation: The bioarchaeology of Inka resettlement practices: insight from biological distance analysis

Dissertation Advisor: Dr. Lyle W. Konigsberg

2005 MA University of Tennessee (Anthropology)

Thesis: A test of the transition analysis method for estimating age-at-death in adult human skeletal remains

Thesis Advisor: Dr. Susan R. Frankenberg

2002 BA University of Tennessee (Anthropology, summa cum laude)

Honors Thesis: Rodents as taphonomic agents: a literature review and actualistic study

Honors Thesis Advisor: Dr. Walter E. Klippel

CERTIFICATION

2019 Diplomate Status – American Board of Forensic Anthropology (certificate No. 120)

EMPLOYMENT – ACADEMIC POSITIONS HELD

University of South Florida – Tampa, FL

2016-present Assistant Professor, Department of Anthropology

Courses Offered:

(Department of Anthropology)

Cultural Anthropology (ANT 2140)

Biological Anthropology (ANT 2511)

Human Variation (ANT 4516)

Human Osteology and Osteometry (ANT 4525)

Forensic Anthropology (ANT 4520)

Bioarchaeology of Children (ANT 4930)

Bioarchaeology in Transylvania (ANT 4930)

Special Topics: Paleopathology (ANG 6115)

Special Topics: Laboratory Methods in Bioarchaeology and Forensic Anthropology (ANG 6511)

Theories in Applied Bioanthropology (ANG 6585)

Bioarchaeology (ANG6536)

Major Mentoring Activities: University of South Florida

2020 – present Elizabeth Bews, PhD committee chair
2019 – present Francesca Dunn, PhD committee chair
2019 – present Jordan Wright, MA committee chair
2018 – 2020 Jonathan Barkmeier, MA committee chair
2018 – 2020 Kelsi Kuehn, MA committee chair
2017 – present Jacqueline Berger, PhD committee chair
2017 – present Justin Maiers, PhD committee chair

Boston University School of Medicine – Boston, MA

2014-2016 Assistant Professor, Department of Anatomy and Neurobiology
Assistant Professor, Department of Archaeology

Courses Offered:**(Department of Anatomy and Neurobiology):**

Bioarchaeology (FA 704)
Forensic Anthropology Techniques (FA 705)
History, Method, and Theory in Biological Anthropology (FA 790)
Advanced Human Osteology (FA 806)

(Department of Archaeology)

World Archaeology (AR 893)

(Kilachand Honors College)

Broken Bones, Buried Bodies: Forensic Anthropology and Human Rights (KHC AR101)

2011-2014 Instructor, Department of Anatomy and Neurobiology
Instructor, Department of Archaeology

Major Mentoring Activities: Boston University School of Medicine

2011 – 2013 Brianne Charles, MS committee chair
2011 – 2013 Christine Foltz, MS committee chair
2011 – 2013 Tracie Henson, MS committee chair
2011 – 2013 Adeline Lustig, MS committee chair
2011 – 2013 Jade de la Paz, MS committee chair
2011 – 2013 Kristen Row, MS committee chair
2011 – 2013 Kathleen Woods, MS committee chair
2012 – 2014 Carolyn Berthelot, MS committee chair
2012 – 2014 Carissa Fu, MS committee chair
2012 – 2014 Tyler Dunn, MS committee chair
2012 – 2014 Meaghan Jones, MS committee chair
2012 – 2014 Kristen Kelmelis, MS committee chair
2012 – 2014 Emily Peschel, MS committee chair
2012 – 2014 Stephen Shapero, MS committee chair
2013 – 2015 Amanda Costello, MS committee chair
2013 – 2015 Deborah Graham, MS committee chair
2013 – 2015 Rebecca King, MS committee chair
2013 – 2015 Rachel Sussman, MS committee chair
2013 – 2015 Clair Ralston, MS committee chair

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

RESEARCH AND TRAVEL GRANTS AND CONTRACTS

- 2019 Osteologist – Cardno – Contract Project ID E218014500 (\$42,750)
- 2018 National Institute of Justice – Principal Investigator – 2018-DU-BX-0197
“Bone Mineral Density and Adult Age Estimation in Forensic Anthropology” (\$130,242)
- 2018 USF College of Arts and Sciences International Travel Award (\$500)
- 2008 The University of Tennessee Graduate Student Travel Award (\$500)
- 2007 Charles H. Faulkner Graduate Student Travel Award (\$500)
- 2007 William M. Bass Endowment (\$2032)
- 2006 The University of Tennessee W.K. McClure Fellowship for the Study of World
Affairs (\$1500)

PUBLICATIONS – BOOK CHAPTERS

- 2020 **Jonathan D. Bethard** and Caroline VanSickle. “Applications of Sex Estimation in Paleoanthropology, Bioarchaeology, and Forensic Anthropology” In A.R. Klales (Ed.), *Sex Estimation of the Human Skeleton*. Elsevier.
- 2020 Daniel Castellanos Gutiérrez, Elizabeth A. DiGangi, and **Jonathan D. Bethard**. “Applicability of Stable Isotope Analysis to the Colombian Human Identification Crisis” In R. Parra and D. Ubelaker (Eds.), *Forensic Science and Humanitarian Actions: Interacting with the Dead and the Living*. Wiley.
- 2019 Murry K. Marks, **Jonathan D. Bethard**, and Darinka Mileusnic-Polchan. “Lacustrine Skeletal Taphonomy from Southeastern Tennessee” In H. Garvin and N. Langley (Eds.), *Case Studies in Forensic Anthropology: Bonified Skeletons*. CRC Press.
- 2019 **Jonathan D. Bethard**, Anna J. Osterholtz, Zsolt Nyárádi, and Andre Gonciar. “Marginalized Motherhood: Infant Burial in 17th Century Transylvania” In C. Tica and D. Martin (Eds.), *The Bioarchaeology of Frontiers and Borderlands*. Gainesville: University Press of Florida.
- 2019 **Jonathan D. Bethard** and Elizabeth A. DiGangi. “From the Laboratory to the Witness Stand: Research Trends and Method Validation in Forensic Anthropology” In L.C Fulginiti, A. Galloway, and K.M. Hartnett-McCann (Eds.), *Forensic Anthropology and the United States Judicial System*. Wiley.
- 2017 **Jonathan D. Bethard**, Elizabeth A. DiGangi, and Lynne P. Sullivan. “Attempting to distinguish impairment from disability in the bioarchaeological record: an example from DeArmond mound (40RE12) in east Tennessee” In J.F. Byrnes and J. Muller (Eds.), *Bioarchaeology of Impairment and Disability: Theoretical, Ethnohistorical, and Methodological Perspectives*. New York: Springer.
- 2016 Catherine Gaither, Jonathan Kent, **Jonathan D. Bethard**, Victor Vasquez S. and Teresa Rosales T. “Precious Gifts: Mortuary Patterns and the Shift from Animal to Human Sacrifice at Santa Rita B in the Middle Chao Valley, Peru” In H.D. Klaus and J.M. Toyne (Eds.), *Ritual Violence in the Ancient Andes: Reconstructing Sacrifice on the North Coast of Peru*. Austin: University of Texas Press.
- 2016 Jonathan D. Kent, Teresa Rosales Tham, Víctor Vásquez Sánchez, Catherine M. Gaither, and **Jonathan D. Bethard**. “The Camelid Sacrifices of Santa Rita B: An Agropastoral Site in the Chao Valley, North Coastal Peru” In J. M. Capriles and N. Tripcevich (Eds.), *The Archaeology of Andean Pastoralism*. Albuquerque: University of New Mexico Press.

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 using Strontium Isotope Analysis. *Journal of Archaeological Science: Reports* 24:350-362.
- 2019 Donovan M. Adams, Clair E. Ralston, Rachel A. Sussman, Kelly Heim, and **Jonathan D. Bethard**. Impact of Population-specific Dental Development on Age Estimation Using Dental Atlases. *American Journal of Physical Anthropology* 168:190-199.

- 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. Strange Harvest: A Discussion of Sacrifice and Missing Body Parts on the North Coast of Peru. *Andean Past* 9: 177-194.
- 2008 **Jonathan D. Bethard**, Catherine Gaither, Víctor F. Vásquez Sánchez, Teresa Rosales Tham, and Jonathan D. Kent. Isótopos Estables, Dieta y Movilidad de los Pobladores de un Conjunto Residencial en Santa Rita B, Valle de Chao, Perú. *Archaeobios* 2: 19-27.

PUBLICATIONS – LETTERS

- 2020 **Jonathan D. Bethard** and Elizabeth A. DiGangi. Moving Beyond a Lost Cause: Forensic Anthropology and Ancestry Estimates in the United States. Letter to the Editor. *Journal of Forensic Sciences* 65(5):1791-1792.

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 Arqueológico Santa Rita “B”*. 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 for Anthropological Research. “From the Andes to the Carpathians: Bioarchaeological Contributions to Understanding the Human Past”
- 2014 Keynote Lecture. 4th Annual Bioarchaeologists Northeast Regional Dialogue. Ithaca College.
“From Infants to Elders: Developing Bioarchaeology at Extremes of the Human Lifespan”
- 2012 Harvard University – Anthro 1202 “Andean Bioarchaeology”
Harvard University – Anthro 1202 “Archaeology and Mass Disasters: Haitian Case Study”
Harvard University – Anthro 1202 “Archaeological Investigations of Crimes Against Humanity”

PROFESSIONAL MEETING PRESENTATIONS

- 2020 “Understanding Székely History Through Collaborative Archaeology” by **Jonathan D. Bethard**, and Katie Zejdlk, Zsolt Nyárádi. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.

- 2020 “Medieval Burial Demographics and a Székely Case Study” by Katie Zejdlik, **Jonathan D. Bethard**, Kathryn Kulhavy, Zsolt Nyárádi, and Andre Gonciar. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Infants Raised and Buried: A Bioarchaeological and Ethnogenetic Perspective of the Emergence of Infant Identity and Personhood in Medieval Transylvania” by Lauren Reinman, **Jonathan D. Bethard**, Katie Zejdlik, Haagen Klaus, Zsolt Nyárádi, and Andre Gonciar. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “From Cradle to Nave: Juvenile Burials with Copper Headbands in Medieval Transylvania” by Elizabeth Bews, Katie Zejdlik, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Possible Case of Juvenile Rheumatoid Arthritis from 14th-15th Century Transylvania” by Kirsten Verostick, Katherine Padula, Devin Williams, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Diet in the Székelyföld: Preliminary Data from Rural Transylvania” by Emily Peschel, Tyler Dunn, Zsolt Nyárádi, Andre Gonciar, M. Anne Katzenberg, Stanely Ambrose, **Jonathan D. Bethard**. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 Dietary Reconstruction of the Székely Community of Papdomb” by Christina Trent, Katie Zejdlik, Zsolt Nyárádi, Andre Gonciar, Jacqueline Berger, Robert Tykot, and **Jonathan D. Bethard**. Paper presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “The Bioarchaeology of Skeletal Functional Adaptation: Understanding Habitual Activity in the Székely” by Tyler Dunn, **Jonathan D. Bethard**, Katie Zejdlik, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Diffuse Idiopathic Skeletal Hyperostosis (DISH) in a Rural Székely Village: An Osteobiography” by Christina Trent, Emily Peschel, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Poster presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Differential Diagnosis and the Health Implications of Calcified Nodules from a Medieval Székely Woman in Transylvania” by Heidi Miller, Jean Louise Lammie, Liotta Dowdy, Zsolt Nyárádi, Andre Gonciar, and **Jonathan D. Bethard**. Poster presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “Glenoid Retroversion in Medieval Transylvania: A Case Study from the Papdomb Site” by Nicholas Passalacqua, **Jonathan D. Bethard**, Katie Zejdlik, Andre Gonciar, and Zsolt Nyaradi. Poster presented at the 26th Annual Meeting of the European Association of Archaeologists, Virtual Meeting, August 24-30.
- 2020 “A Call for a Paradigm Shift in the Study of Ancestry” by Ann H. Ross, **Jonathan D. Bethard**, and Elizabeth A. DiGangi. Paper presented at the 72nd Annual Meeting of American Academy of Forensic Sciences, Anaheim, CA February 17-22.
- 2020 “Isotope Analysis in Modern Colombian Teeth: A Forensic Application” by Daniel Castellanos, Elizabeth A. DiGangi, **Jonathan D. Bethard**, and George D. Kamenov. Paper presented at the 72nd Annual Meeting of American Academy of Forensic Sciences, Anaheim, CA February 17-22.
- 2020 “Revisiting the Concepts of “Race” and “Ancestry” Regarding Missing Migrants in the United States”. Paper presented Justin R. Maiers, **Jonathan D. Bethard**, and Chaunesey Clemmons. Paper presented at the 72nd Annual Meeting of American Academy of Forensic Sciences,

- 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-death on a modern Portuguese population” by Liam Johnson and **Jonathan D. Bethard**. Poster presented at the 88th Annual Meeting of the American Association of Physical Anthropologists, Cleveland, OH, March 27-30.
- 2019 “Pars basilaris porosity in non-adults from 17th century Transylvania” by Chaunesey MJ Clemmons, **Jonathan D. Bethard**, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 46th Annual North American Meeting of the Paleopathology Association, Cleveland, OH, March 25-27.
- 2019 “Mortality of Twins in the Archaeological Record” by Irene Hochgraf-Cameron, Allison McCoskey, Jane Grossman, **Jonathan D. Bethard**, Katie Zejdlik, Zsolt Nyárádi, and Andre Gonciar. Poster presented at the 46th Annual North American Meeting of the Paleopathology Association, Cleveland, OH, March 25-27.
- 2019 “A Multidisciplinary Investigation of Chronic Animal Abuse: Contributions From Veterinary Forensics and Forensic Anthropology” by **Jonathan D. Bethard** and Martha Smith-Blackmore. Paper presented at the 71st Annual Meeting of American Academy of Forensic Sciences, Baltimore, MD February 18-23.
- 2019 “Capacity Building of Forensic Scientists” by Elizabeth A. DiGangi and **Jonathan D. Bethard**. Paper presented at the 71st Annual Meeting of American Academy of Forensic Sciences, Baltimore, MD February 18-23.
- 2019 “Bone Mineral Density (BMD) as an Indicator of Age at Death in Forensic Anthropology: A Test of DXAGE” by **Jonathan D. Bethard**, Jacqueline M. Berger, Justin R. Maiers, and Ann H. Ross. Paper presented at the 71st Annual Meeting of American Academy of Forensic Sciences, Baltimore, MD February 18-23.
- 2019 “The Validation of a New Age-at-Death Method Utilizing Osteoarthritis (OA) of the Shoulder” by Morgan J. Ferrell and **Jonathan D. Bethard**. Poster presented at the 71st Annual Meeting of American Academy of Forensic Sciences, Baltimore, MD February 18-23.
- 2018 “Demographic burial patterns within the walls of a medieval Transylvanian Székely Church” by **Jonathan D. Bethard**, Katie Zejdlik, Frankie West, Zsolt Nyárádi, and Andre Gonciar. Paper presented at the 24nd Annual Meeting of the European Association of Archaeologists, Barcelona, Spain September 5-8.
- 2018 “Molecular approaches to understanding the past: a case study from 17th century Transylvania” by **Jonathan D. Bethard**, Zsolt Nyárádi, Andre Gonciar, Cara Monroe, and Courtney Hoffman. Paper presented at the 24nd Annual Meeting of the European Association of Archaeologists, Barcelona, Spain September 5-8.
- 2018 “Milk and honey: isotopic reconstruction of infant weaning in medieval Transylvania” by Maddeline Voas, Kristina Killgrove, **Jonathan D. Bethard**, Robert Tykot, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 87th Annual Meeting of the American Association of Physical Anthropologists, Austin, TX April 11-14.
- 2017 “Organic Staining on Bone” by Corey Pollock, James T. Pokines, and **Jonathan D. Bethard**. Poster presented at the 69th Annual Meeting of American Academy of Forensic Sciences, New Orleans, LA, February 13-18.
- 2017 “Subaerial Bone Weathering in North Africa: An Experimental Study in Algiers, Algeria” by Ammar Lahouel, MY Guellati, Grait Habeldelhamid, Brahim Djedouani, A. Atrouz, A. Djebbouri,

- 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**, Elizabeth A. DiGangi, and Lynne P. Sullivan. Invited poster presented at the 84th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Missouri, March 25-28.
- 2015 “Legions of lesions: An examination of the severity and prevalence of dental caries in medieval Bögöz” by Jessica Rothwell, David Hansen III, **Jonathan D. Bethard**, Andre Gonciar, and Zsolt Nyárádi. Poster presented at the 84th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Missouri, March 25-28.
- 2015 “Buried within the abbey walls: paleopathological examination of leprosy” by Kristen Kelmelis, **Jonathan D. Bethard**, Tara Moore, and Jesper Boldsen. Poster presented at the 41st Annual North American Meeting of the Paleopathology Association, St. Louis, Missouri, March 24-25.
- 2015 “Odontometric Differentiation Between Southwest Hispanics, Native Americans, and European Americans” by Donovan Adams, James Pokines, and **Jonathan D. Bethard**. Paper presented at the 67th Annual Meeting of American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2014 “Of Infants and Elderly: A Bioarchaeological Analysis of a 17th-Century Mortuary Context from Transylvania, Romania” by **Jonathan D. Bethard**, Anna J. Osterholtz, Andre Gonciar, and Zsolt Nyárádi. Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, TX, April 23-27.
- 2014 “A bioarchaeological study of childhood mortality in 17th century Transylvania” by **Jonathan D. Bethard**, Anna J. Osterholtz, 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 “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 B. Hall. Paper presented at the 66th Annual Meeting of American Academy of Forensic Sciences, Seattle WA, February 17-22.
- 2014 “The Analysis and Variance of Strontium Isotopes in a Forensic Context: Determination of Geolocation Reliability for a Modern New England Population” by Adeline Lustig, **Jonathan D. Bethard**, and Adam B. Hall. Paper presented at the 66th Annual Meeting of American Academy of Forensic Sciences, Seattle WA, February 17-22.
- 2014 “Distinguishing Homicides and Suicides in Firearm Fatalities: The Role of Skeletal Trauma Analysis” by Jade S. De La Paz, **Jonathan D. Bethard**, Jennifer L. Hammers, and Hugh E. Berryman” Paper presented at the 66th Annual Meeting of American Academy of Forensic Sciences, Seattle WA, February 17-22.
- 2014 “Trace Element Analysis of Human Tooth Enamel by LA-ICP-MS for Estimating Region of Origin” by Meaghan Jones, **Jonathan D. Bethard**, John Dudgeon, and Marie Holmer. Poster presented at the 66th Annual Meeting of American Academy of Forensic Sciences, Seattle WA, February 17-22.
- 2013 “A bioarchaeological study of Inka resettlement dynamics: insight from biological distance analysis” by **Jonathan D. Bethard**. Paper presented at the 32nd Annual Meeting of the Northeast Conference of Andean Archaeology and Ethnohistory, New Haven, CT, October 16-17.
- 2013 “The legacy of Dr. Karen Ramey Burns: a focus on the individual in forensic and bioarchaeological contexts” by **Jonathan D. Bethard** and Megan K. Moore. Poster presented at the 82nd Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 9 – 13.
- 2013 “The Problem of Estimating Sex From the Skull: A Comparison of Methods Applied to a Modern Colombian Sample” by **Jonathan D. Bethard** and Elizabeth A. DiGangi. Paper presented at the 65th Annual Meeting of American Academy of Forensic Sciences, Washington, D.C., February 18 – 23.
- 2011 “The American Board of Forensic Anthropology: Historical Trends in Research and Training”. Poster presented at the 63rd Annual Meeting of the American Academy of Forensic Sciences, Chicago, IL, February 21 – 26.
- 2010 “Inka imperialism and biological variation” by **Jonathan D. Bethard**. Paper presented at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO, April 14-18.
- 2010 “And dens there were two: the utility of the second cervical vertebra as an indicator of sex and age-at-death” by Billie L. Seet and **Jonathan D. Bethard**. Poster presented at the 62nd Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.

- 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-at-death from the auricular surface of the ilium” by **Jonathan D. Bethard** and Natalie L. Shirley. Poster presented at the 76th Annual Meeting of the American Association of Physical Anthropologists, Philadelphia, PA, March 27-April 1.
- 2007 “Differential Diagnosis of Cartilaginous Dysplasia and Probable Osgood-Schlatter’s Disease in a Mississippian Individual from East Tennessee” by Elizabeth A. DiGangi and **Jonathan D. Bethard**. Poster presented at the 34th Annual Meeting of the Paleopathology Association., Philadelphia, PA, March 27-28.
- 2007 “Skeletal Markers of Parturition II: Reanalysis of a Modern American Sample” by Elizabeth A. DiGangi and **Jonathan D. Bethard**. Poster presented at the 59th Annual Meeting of the American Academy of Forensic Sciences, San Antonio, Texas, February 19-24.
- 2007 “Hyoid Fusion and the Relationship with Fracture: Forensic Anthropological Implications” by **Jonathan D. Bethard** and Christine M. Pink. Poster presented at the 59th Annual Meeting of the American Academy of Forensic Sciences, San Antonio, Texas, February 19-24.
- 2007 “Strange Harvest” by Catherine Gaither, **Jonathan Bethard**, Jonathan Kent, Víctor Vásquez Sánchez, Teresa Rosales Tham, and Richard Busch. Poster presented at the 47th Annual Meeting of the Institute of Andean Studies, Berkeley, CA, January 12-13.
- 2006 “A Test of the Transition Analysis Method for Estimation of Age-at-death” by **Jonathan D. Bethard**. Paper presented at the 75th Annual Meeting of the American Association of Physical Anthropologists, Anchorage, Alaska, March 5-12.
- 2006 “A New Method for Estimating Age-at-death from the First Rib” by Elizabeth A. DiGangi, **Jonathan D. Bethard**, Erin H. Kimmerle, and Lyle W. Konigsberg. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle, Washington, February 20-25.
- 2006 “Orthopedic Devices and the William M. Bass Donated Skeletal Collection: Implications for Forensic Anthropological Identification” by Rebecca J. Wilson, **Jonathan D. Bethard**, and Elizabeth A. DiGangi. Poster presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle, Washington, February 20-25.

- 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 Field Instructor, The University of Tennessee and Federal Bureau of Investigation Human Remains Recovery School
- 2007 Field Instructor, The University of Tennessee and Federal Bureau of Investigation Human Remains Recovery School
- 2006 Teaching Assistant, The University of Tennessee, Anthropology 210, Principles of Biological Anthropology
- 2006 Field Instructor, The University of Tennessee and Federal Bureau of Investigation Human Remains Recovery School
- 2005 Field Instructor, The University of Tennessee and Federal Bureau of Investigation, Human Remains Recovery School.
- 2004 Teaching Assistant, The University of Tennessee, Anthropology 480, Human Osteology.

PUBLIC SERVICE – OUTREACH

- 2020 “Forensic Anthropology,” Great American Teach-In. Hillsborough County School, Chamberlain High School (November 19)
- 2020 “Studying People from Medieval Transylvania,” Time Sifters Archaeology Society – Chapter of the Florida Anthropological Society (November 18)
- 2009 “Bones, Bugs, and Bullets: An Introduction to Forensic Anthropology,” Gate City Middle School (April 25)
- 2007 “(Bio)Archaeological Fieldwork: The Santa Rita B Field School,” University of Tennessee Undergraduate Anthropology Association (January 23)
- 2006 “Bones, Bugs, and Bullets: Forensic Anthropology in Tennessee,” Humboldt and Milan High Schools, Gibson County, TN (April 20)
- 2006 “Forensic Anthropology at UT,” University of Tennessee Resident Assistant Inservice Program (March 1)
- 2006 “Bodies of Evidence: Human Sacrifice in Ancient Peru,” University of Tennessee Resident Assistant In-service (February 9)
- 2006 “Archaeological Investigations of Santa Rita B,” Graduate Student Anthropology Association Brown Bag Lunch (February 8)
- 2005 “As Seen on TV: The Reality of Forensic Anthropology,” West Valley Middle School Career Day (November 9)
- 2005 “Forensic Anthropology at UT,” University of Tennessee Resident Assistant Inservice Program (October 26)
- 2005 “Developing Students and Documenting Skeletons,” Tennessee Association of College and University Housing Officers (October 14)
- 2005 “Peru: Reflections from the Field,” University of Tennessee Undergraduate Anthropology Association (October 11)

OTHER WORK EXPERIENCE

- 2014 – 2016 Faculty-In-Residence – Residence Life, Boston University
- 2003 – 2008 Hall Director –Department of University Housing, University of Tennessee

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

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