

CURRICULUM VITAE
Jonathan D. Bethard
May 2013

Professional Address

Boston University School of Medicine
Department of Anatomy and Neurobiology
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Home Address

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EDUCATION

- 2013 PhD The University of Tennessee (Anthropology)
Dissertation: The bioarchaeology of Inka resettlement practices: insight from biological distance analysis
Dissertation Advisor: Dr. Lyle W. Konigsberg
- 2005 MA The 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 The 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

EMPLOYMENT – ACADEMIC POSITIONS HELD

Boston University School of Medicine – Boston, MA

2011-present Instructor, Department of Anatomy and Neurobiology, MS program in Forensic Anthropology
Courses Offered: Bioarchaeology (FA 704)
Forensic Anthropology Techniques (FA 705)
History, Method, and Theory in Biological Anthropology (FA 790)
Advanced Human Osteology (FA 806)

Instructor, Department of Archaeology (secondary appointment)

Major Mentoring Activities at Boston University School of Medicine

2011-2013 Brianne Charles, MS Student
2011-2013 Christine Foltz, MS Student
2011-2013 Tracie Henson, MS Student
2011-2013 Adeline Lustig, MS Student
2011-2013 Jade de le Paz, MS Student
2011-2013 Kristen Row, MS Student
2011-2013 Kathleen Woods, MS Student

2012-present Carolyn Berthelot, MS Student
2012-present Carissa Fu, MS Student
2012-present Tyler Dunn, MS Student
2012-present Meaghan Jones, MS Student
2012-present Kristen Kelmelis, MS Student
2012-present Emily Peschel, MS Student
2012-present Stephen Shapero, MS Student

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

2007-present Forensic Anthropologist, United State Department of Health and Human Services,
Disaster Mortuary Operational Response Team (DMORT) – Region IV
Deployments:

- Haiti (2010)

HONORS AND AWARDS

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

- 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)

PROFESSIONAL SERVICE

Grant Application Reviewer – Institute of International Education, Houston, TX
Benjamin A. Gillman International Scholarship Program

Manuscript Reviewer

International Journal of Osteoarchaeology

INVITED LECTURES

- 2012 Harvard University – Anthro 1202 “Andean Biarchaeology”
Harvard University – Anthro 1202 “Archaeology and Mass Disasters: Haitian Case Study”
Harvard University – Anthro 1202 “Archaeological Investigations of Crimes Against Humanity”

PUBLICATIONS – BOOK CHAPTERS

- 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

- 2012 **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* DOI: 10.1111/j.1556-4029.2012.02183.x.
- 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.

- in prep Murray K. Marks and **Jonathan D. Bethard**, “Aquatic Taphonomy in a Lacustrine Environment: A Case Study from Southeastern Tennessee.” Manuscript to be submitted to the *Journal of Forensic Sciences*.
- in prep **Jonathan D. Bethard** and Elizabeth A. DiGangi, “Dorsal pitting as an indicator of parturition? More evidence to the contrary,” Manuscript submitted to the *American Journal of Physical Anthropology*.
- in prep **Jonathan D. Bethard**, Catherine Gaither, Víctor F. Vásquez Sánchez, Teresa Rosales Tham, and Jonathan D. Kent, “Reconstruction of Subsistence and Residential Mobility in the Chao Valley of Peru from Stable Isotopes of Carbon, Nitrogen, and Strontium.” Manuscript to be submitted to the *Journal of Archaeological Science*.

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 MEETING PRESENTATIONS

- 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 to be 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 to be 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

- 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

- 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

- 2007 – 2008 Hall Director – Tennessee Governor’s Academy for Mathematics and Science
- 2003 – 2007 Hall Director – North Carrick Hall, Department of University Housing, The University of Tennessee

ASSOCIATION MEMBERSHIP

American Academy of Forensic Sciences – Member
American Association of Physical Anthropologists
Paleopathology Association
Society for American Archaeology

REFERENCES

Dr. Lyle W. Konigsberg
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Dr. Susan R. Frankenberg
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University of Illinois at Urbana-Champaign
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