

## CURRICULUM VITAE

### **Brigitte M. Holt**

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### **Education**

Ph.D. (Biological Anthropology) University of Missouri-Columbia, May, 1999  
M.A. (Biological Anthropology) Southern Illinois University-Carbondale- May, 1987  
B.A. (Anthropology) Southern Illinois University-Carbondale,

### **Academic positions**

University of Massachusetts (Department of Anthropology)  
2005-present Assistant Professor  
Grand Valley State University (Department of Anthropology)  
2004-2005 Assistant Professor  
Duke University (Department of Biological Anthropology & Anatomy)  
2000-2004 Visiting Assistant Professor  
University of Missouri (Department of Anthropology)  
1999-2000 Visiting Research Associate

### **Research Interests**

Biocultural evolution of the genus *Homo*, functional morphology and biomechanics of the appendicular skeleton, paleoecology, forager ecology, Old World prehistory, Late Pleistocene/Early Holocene ecology, bone mass and physical activity.

### **Funding**

2007-2009 National Science Foundation (\$47,000): "On the Verge of Modernity: Post-Pleistocene Evolution of the European Skeleton" -Collaborative grant with Chris Ruff (John Hopkins University)  
2004-2005 Duke University (BAA)-Funding to Churchill and Holt- Riparo Bombrini Project  
2001-2002 Josiah Charles Trent Memorial Foundation: Seed money for "Cultures in Contact: The Italian-American Riparo Bombrini Project".  
2000 Center for International Studies (Duke University): "Cultures in Contact: The Italian-American Riparo Bombrini Project".  
Arts and Sciences Research Council (Duke University): "Cultures in Contact: The Italian-American Riparo Bombrini Project".  
1995-1996 National Science Foundation: Dissertation Improvement Grant  
1995-1996 L.S.B. Leakey Foundation: General Research Grant

## **Courses I teach**

- 2005-2006 *Human Origins and Variation* (UMass)  
*Research Techniques in Physical Anthropology*  
*Theory and Methods in Physical Anthropology*  
*Human Ecology*
- 2004-2005 *Human Origins* (GVSU)  
*Culture and Disease*  
*Research Methods in Bioanthropology*  
*Research Techniques in Skeletal Biology* (UM)
- 2000-2004 *Comparative Primate Anatomy* (Duke University-BAA)  
*Human Clinical Anatomy* (Duke University-Physical Therapy Program),  
*Human Gross Anatomy* (Duke University-Medical Program and BAA)  
*Biological Anthropology* (Duke University-BAA)  
*Human and Primate Functional Morphology* (University of Pisa, Italy)
- 1997 *Introduction to Anthropology* (University of Missouri)
- 1995 *Introduction to Anthropology* (Central Missouri State University)  
*Introduction to Physical Anthropology/Osteology*  
*Introduction to Archaeology*
- 1991- 1993 *Introduction to Physical Anthropology* (University of Missouri)
- 1990 *Introduction to Anthropology* (University of Missouri)

## **Publications**

- In press* Formicola V. and Holt B. Testing microevolutionary models in ancient population samples: resource availability and stature decrease in Upper Paleolithic Europe. To be submitted to *Journal of Anthropological Research*
- In press* Holt, B, S.E Churchill. A biomechanical study of limb robusticity in “l’Homme de la Grotte du Bichon” (Switzerland), in *La chasse a l’ours datée de l’Azilien (Grotte du Bichon)*. Archeologie Neuchateloise
- In preparation* Holt B, Negrino F, Formicola V, Riel-Salvatore J, Vicino G, Churchill S and Del Lucchese A. The Middle Paleolithic-Upper Paleolithic transition at Riparo Bombrini (Liguria, Italy). To be submitted to *Current Anthropology* in Fall 2007
- In preparation* Holt B and Formicola V. Living and dying in the Ice Age: The skeletal biology of Upper Paleolithic people (will come out in the *Yearbook of Physical Anthropology*)
- 2006 Ruff CB, Holt B, and Trinkaus E. “Wolff’s Law” and bone functional adaptation *American Journal of Physical Anthropology* 129:484-498.
- 2006 Ruff CB, Holt B, Sladek W, Berner M. Murphy WA, Nedden D, Seidler H and Recheis W. Body size, body proportions, and mobility in the Tyrolean “Iceman”. *Journal of Human Evolution* 51: 91-101

- 2006 Marchi D, Sparacello VS, Holt BM, Formicola V. Biomechanical approach to the reconstruction of activity patterns in Neolithic Western Liguria, Italy. *American Journal of Physical Anthropology* 131:447-455.
- 2004 Del Lucchese A., Formicola V., Holt B., Negrino F., Vicino G.- R"Figures",. Rivista edita dall'Istituto di Studi Liguri. Riparo Bombrini, Balzi Rossi (Ventimiglia, Imperia): notizie preliminari sugli scavi 2002-2004. Figures.
- 2003 Holt, B. Mobility in Upper Paleolithic and Mesolithic Europe: Evidence from the lower limb. *American Journal of Physical Anthropology*.122:200-215.
- 2003 Trinkaus, E., S.E. Churchill, Holt, B., Ruff, C.B. Patterns of diaphyseal cross-sectional geometry between central and western European Early / Middle Upper Palaeolithic humans, in *Changements Biologiques et Culturels en Europe de la Fin du Paléolithique Moyen au Néolithique*, Bruzek J., Vandermeersch, B., and Garralda M.D., eds. P. 75-86. Talence: Laboratoire d'Anthropologie des Populations du Passé, Université de Bordeaux 1.
- 2002 Holt, B., G. Fornaciari, V. Formicola. Bone remodeling following a lower leg fracture in the 11,000-year-old hunter-gatherer from Vado all' Arancio (Italy). *Journal of International Osteoarchaeology* 6:402-406.
- 2001 Holt, B. Biomechanical analysis of the femur and tibia from Loschbour: What it tells us about mobility. *Bull. Soc. Préhist. Luxembourgeoise* Vol. 20-21, 1998-99, pp. 327-336.
- 2000 Holt, B., M. Mussi, S.E. Churchill, and V. Formicola. Biological and cultural trends in Upper Paleolithic Europe. *Riv. Antropologia*. 78:179-192.
- 2000 Holt, B., and R.A. Benfer, Jr. Estimating Missing Data: An Iterative Regression Approach. *Journal of Human Evolution* 39(3):289-296.
- 2000 Churchill S.E., V. Formicola., T.W. Holliday, B.M.Holt and B.A.Schumann The Upper Paleolithic population of Europe in an evolutionary Perspective, in *Hunters of the Golden Age :The Mid Upper Paleolithic of Eurasia (30,000-20,000 BP)*, Roebroeks W., Mussi M., Svoboda J., and Fennema K., eds. p. 31-57. Leiden: University Press.
- 1998 Holt, B., E. Simoes, J. Chiang, and Jackson-Thompson. Patterns of breast cancer incidence and mortality in Missouri: opportunity for improvement. *Missouri Medicine*, April 1998.

## **Presentations**

- 2007 Holt B. and Tompkins D. A test of the relationship between health status and body proportions. Annual Meeting of the American Association of Physical Anthropologists, Philadelphia, PA.
- 2006 Holt B., F. Negrino, V. Formicola, J. Riel-Salvatore, S.E. Churchill, G. Vicino, and A. Del Lucchese, The Mousterian-Aurignacian transition at Riparo Bombrini (Liguria, Italy). Annual Meeting of the Paleoanthropological Association. San Juan, Puerto Rica.
- 2005 Holt B., Marchi D., Sparacello V., Formicola V., Churchill S. Activity patterns in Upper Paleolithic and Neolithic Liguria: a diachronic analysis. 16<sup>th</sup> Meeting of Italian Anthropologists, October 29-31, 2005, Genova, Italy,
- 2004 Holt, B., Ruff, C.B., and Trinkaus E. The Wolff's law debate: Throwing out the water, but keeping the baby. Annual Meeting of the American Association of Physical Anthropologists, Tempe, Florida
- 2003 Holt B., S.E. Churchill, F. Negrino, V. Formicola, G. Vicino, A. Del Lucchese. New excavation of the Riparo Bombrini (Liguria, Italy) Mousterian and Aurignacian rockshelter. Annual Meeting of the Paleoanthropological Association. Tempe, Arizona.
- 2001 Holt B., G. Fornaciari, V. Formicola. Bone remodeling following a lower leg fracture in a Late Upper Paleolithic skeleton (Vado all' Arancio 1, Italy). Annual Meeting of Paleopathology Association, Kansas City, Missouri.
- 2000 Holt, B. and S.E. Churchill. Behavioral changes in European Upper Paleolithic foragers: Evidence from biomechanical analysis of the appendicular skeleton. *American Journal of Physical Anthropology* supplement 30:182 Annual Meeting of the American Association of Physical Anthropologists, San Antonio, Texas. (Symposium "Beyond Neandertals, before farmers: bio-cultural changes in Late Glacial Europe", organized by S. Churchill and B.Holt).
- 1998 Holt, B. Lower limb skeletal structural adaptation in Upper Paleolithic and Mesolithic Europeans. *American Journal of Physical Anthropology* supplement 26:123. Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, Utah.
- 1997 Holt, B. Postcranial robusticity and mobility changes in European Upper Paleolithic and Mesolithic humans. *American Journal of Physical Anthropology* supplement 24:132. Annual Meeting of the American Association of Physical Anthropologists, Saint Louis, Missouri.