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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, (Departmental Honors)- May, 1984

Academic Positions

2010-present	Associate Professor: <u>University of Massachusetts</u> (Department of Anthropology)
2004-2010	Assistant Professor: <u>Grand Valley State University</u> (Department of Anthropology)
2000-2004	Visiting Assistant Professor: <u>Duke University</u> (Department of Biological Anthropology & Anatomy)
1999-2000	Visiting Research Associate: <u>University of Missouri</u> (Department of Anthropology)

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.

Research Grants

2009	College of Social and Behavioral Sciences Proposal Preparation Grant
2007-2010	National Science Foundation (Three year grant-\$47,066): “On the Verge of Modernity: Post-Pleistocene Evolution of the European Skeleton”.
2007	National Science Foundation (\$4,564): “Age disparities and socioeconomic status in the Terry Collection”.
2001	Josiah Charles Trent Memorial Foundation: Seed money for “Cultures in Contact: The Italian-American Riparo Bombrini Project”. Funding to Churchill and Holt- \$5,000
2000	Center for International Studies (Duke University): “Cultures in Contact: The Italian-American Riparo Bombrini Project”.Funding to Churchill and Holt-\$6,064
1995	National Science Foundation: Dissertation Improvement Grant (\$7,000)

1995 L.S.B. Leakey Foundation: General Research Grant (\$5,000)

Travel Grants

2010 College of Social and Behavioral Sciences Travel Grant (\$800)

2009 College of Social and Behavioral Sciences Travel Grant (\$860)

Teaching Grants

2010 General Education Fellowship (\$2500)

2009 Flex Grant for Teaching/Faculty Development (\$500)

2007 College of Social and Behavioral Sciences Instructional Grant (\$1,123)

2004 Grand Valley State University's Robert and Mary Pew Faculty Teaching and Learning (Technology Enhancement Award-\$1,500).

Honors

2008-2010 Chancellor's Junior Faculty Fellow, University of Massachusetts.

Publications

2009 Holt, B, Churchill SE. A biomechanical study of limb robusticity in "l'Homme de la Grotte du Bichon" (Switzerland), in *La Chasse à l'Ours Datée de l'Azilien (Grotte du Bichon)*. Archeologie Neuchateloise, Dossier 3.

2008 Holt, B. and Formicola V. Hunters of the Ice Age: The biology of Upper Paleolithic people. *Yearbook of Physical Anthropology* 137 (S47):70-99.

2008 Formicola V. and Holt B. I resti umani del Paleolitico superiore della Liguria Occidentale: Una sintesi sui risultati degli studi recenti. *Bulletin du Musée d'Anthropologie Préhistorique de Monaco*, supplement 1:96-102.

2007 Formicola V. and Holt B. Resource availability and stature decrease in Upper Paleolithic Europe. *Journal of Anthropological Sciences* 85:153-164.

2006a Ruff CB, Holt B, and Trinkaus E. "Wolff's Law" and bone functional adaptation *American Journal of Physical Anthropology* 129:484-498. (Listed as "most cited article in 2010 from AJPA publication years 2005-2009")

2006b Ruff CB, Holt B, Sladek W, Berner M. Murphy WA, Neddén D, Seidler H and Recheis W. Body size, body proportions, and mobility in the Tyrolean "Iceman". *Journal of Human Evolution* 51: 91-101

2006c 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., SE. Churchill, Holt, B., Ruff, CB. 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
Garrauda 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 SE., Formicola V., Holliday TW., Holt B 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.

Book Reviews

- 2010 Review of Isabelle Crevecoeur, *Etude Anthropologique du Squelette du Paléolithique
Supérieur de Nazlet Khater 2 (Egypte)*, Paleorient

Symposia Organized

- 2008 Holt, B. "Human Ecology, Past and Present". Session organized for the 48th

- Annual Meeting of the Northeastern Anthropological Association: March 7-9, 2008, Amherst, Mass.
- 2000 Churchill SE and Holt, B. "Beyond Neandertals, before farmers: bio-cultural changes in Late Glacial Europe". Annual Meeting of the American Association of Physical Anthropologists, San Antonio, Texas.

Presentations

Professional conferences

- 2010 Holt B., Radi N., Belcastro G., and Canci A. Do impact forces associated with horseback riding result in stronger femora? Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, NM.
- 2010 Riga A., and Holt B. Do musculoskeletal stress markers correlate with diaphyseal cross-sectional dimensions? Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, NM.
- 2009 Holt B. Walking on thin ice: Upper Paleolithic mobility and postcranial robusticity. International Congress of the Soci  t   d'Anthropologie de Paris. Paris, France, 26th-30th January 2008
- 2009 Radi N., and Holt B. La pratica equestre nell'Et   del Bronzo: un primo contributo dall'approccio biomeccanico. 18th Congress of the Italian Anthropological Association. October 1-4th 2009, Florence, Italy.
- 2009 Riga A., and Holt B. Robustezza strutturale e marcatori di stress muscoloscheletrico a confronto. 18th Congress of the Italian Anthropological Association. October 1-4th 2009, Florence, Italy.
- 2008 Holt B. Small, but Healthy, in the Ice Age. Annual Meeting of the Northeastern Anthropological Association: March 7-9, 2008, Amherst, Mass.
- 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. (poster)
- 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. Meeting of the Italian Anthropological Society, Genova, Italy (October 29-31, 2005)
- 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 evidence of the Middle-Upper Paleolithic transition from Riparo Bombrini (Grimaldi, Italy). 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).
- 1999 Formicola, V., S. E. Churchill, B. Holt, and M. Mussi. Biologia, cultura e comportamento degli ultimi cacciatori-raccoglitori d'Europa. XIII Congresso degli Antropologi Italiani, Rome, 4-8 October 1999.
- 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.

Professional Activities

Member of the Program Committee for the 2010 annual meetings of the American Association of Physical Anthropologists (April 2010, Albuquerque, NM)

American Association of Physical Anthropologists (Life Member)

Paleoanthropology Society (Member)

Sigma Xi Society (Member)