

# Curriculum Vitae

## Megan K. Moore, PhD

### Work Address:

Department of Behavioral Sciences  
University of Michigan – Dearborn  
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### Education:

- 2002-08 Ph.D., Biological Anthropology, May 8, 2008, University of Tennessee, Knoxville, Advisor Dr. Lyle Konigsberg, Dissertation Title: “Body Mass Estimation from the Human Skeleton”
- 1998-01 M.S. in Biological Anthropology, June 16, 2001, University of Oregon, Eugene, Advisor Dr. John Lukacs
- 1994-98 B. A. – Honors with Distinction in Anthropology, The Ohio State University, Columbus, Advisor Dr. Paul Sciulli

### Grants and Awards:

- 2007 National Institute of Justice Graduate Research Fellowship \$20,000
- 2007 Kneberg-Lewis Dissertation Improvement Grant, \$1,500
- 2007 Graduate Student Senate Travel Award, \$500
- 2006 Charles H. Faulkner Graduate Student Travel Grant, \$500
- 2005 W.K. McClure Fund for the Study of World Affairs, \$3,000
- 1999 Global Graduates Scholarship, \$1,500
- 1996 Undergraduate Honors Research Scholarship ASC, \$1,000
- 1996 Summer Research Scholarship, \$1,500
- 1995 The Ohio State University Name and Seal Scholarship, \$3,000
- 1993 Columbus College of Art and Design Scholarship, \$12,000

### Employment History:

- 2009 Assistant Professor of Anthropology, University of Michigan - Dearborn
- 2009 Forensic Anthropology Instructor, ICITAP, Dept of Justice, Bogota, Colombia
- 2008 Visiting Assistant Professor, Dickinson College, Carlisle, PA
- 2008 Adjunct Assistant Professor, Department of Anthropology, University of Tennessee
- 2006-08 Graduate Research Assistant, Center for Musculoskeletal Research and Department of Biomedical Engineering, UTK
- 2006-08 Adjunct Instructor, Pellissippi State Technical Community College, Knoxville
- Graduate Assistant Curator, Department of Anthropology, UTK
- 2002-05 Graduate Assistant, International House, UTK
- 2002-05 Part-time, Frank M. McClung Anthropology Museum, UTK
- 2002 Adjunct Anthropology Instructor, Columbus State Community College
- 2002 Archaeological Field Assistant, ASC Group, Columbus, Ohio
- 2001 Adjunct Anthropology Instructor, San Diego Community College District
- 2001 Adjunct Anthropology Instructor, Glendale Community College
- 1999-00 Graduate Teaching Fellowship, Anthropology Department, UO

**Publications and Unpublished Theses:**

- Moore, M (*in preparation*) "Osteological analysis of obesity related pathologies," to be submitted to *Obesity*.
- Moore, M (*in preparation*) "A comprehensive model for body mass estimation from human skeleton," to be submitted to *Journal of Forensic Sciences*.
- Moore, M (*in preparation*) "Skeletal Manifestations of Obesity", to be submitted to *American Journal of Physical Anthropology*.
- Mahfouz, M, A Badawi, B Merkl, EA Fattah, E Pritchard, K Kessler, M Moore & R Jantz (2007), "3D Statistical Shape Models of Patella for Sex Classification," *Forensic Science International*, Volume 173, Issues 2-3, December, pp. 161-170.
- Moore, MK and W Haglund (2002), "The Case of Boss Tweed: Identification by Caricature," *Journal of Forensic Identification*, Vol. 52, May/June Issue.
- Moore, MK (2001) "Improving Methods of Dental Data Collection from Relatives of Missing Persons," Unpublished Masters Thesis, University of Oregon, Department of Anthropology.
- Moore, MK (1998) "Tooth Size as an Indication of the Biological Affinity of a Medieval Population from Athienou-Malloura, Cyprus," Unpublished Undergraduate Honors Thesis, The Ohio State University.

**Symposia:**

- 2009 **Symposium Organizer**, "The Weight of the Matter: Body Mass Estimation Reconsidered," annual meeting of the American Association of Physical Anthropologists, Chicago, IL.

**Papers Presented:**

- Moore, M , "A comprehensive regression tree to estimate body mass from the skeleton considering pathology, cross-sectional geometry and bone density," abstract submitted for 2009 annual meeting of the American Association of Physical Anthropologists, Chicago, IL.
- Sears, C & M Moore, "Childhood obesity and the angle of the femoral neck: Relationship with slipped capital femoral epiphysis (SCFE) and adolescent tibia vara," abstract submitted for 2009 annual meeting of the American Association of Physical Anthropologists, Chicago, IL.
- Moore, M, B Algee-Hewitt & R Wilson, "The Effects of Ethanol Abuse on Bone Mineral Density in the Proximal Femur," abstract submitted for 2009 annual meeting of the American Academy of Forensic Sciences, Denver, CO.
- Moore, M (2008) "The effects of body mass on the human skeleton," **Invited Speaker**, Symposium for Orthopedic Surgery Residents, Erlanger Medical Center, Chattanooga, TN.
- Moore, M (2008), "Obesity and bone characteristics," **Invited Speaker**, University of Tennessee Obesity Research Center Retreat, Fall Creek Falls, TN.
- Moore, M (2008), "Body mass estimation from the human skeleton," **Invited Speaker**, Symposium for the Department of Exercise, Sport and Leisure Studies, University of Tennessee, Knoxville.
- Moore, M (2008), "Body mass estimation from the human skeleton in terms of paleopathology of the vertebrae, proximal tibia and heel spurs," paper presented at the annual meeting of the American Association of Physical Anthropologists, Columbus, OH.

- Moore, M & DL Thompson (2008), "Estimating Body Mass from Bone Mineral Density of Human Skeletal Remains," first author of paper presented at the annual meeting of the American Academy of Forensic Sciences, Washington, DC.
- Moore, M & EA Fattah (2007), "Body mass estimation from human femoral midshaft cross-sectional area," first author of poster presented at the annual meeting of the American Association of Physical Anthropologists, Philadelphia, PA.
- Moore, M, A Sylvester, B Merkl, M Kuhns, K Kessler & MR Mahfouz (2006), "Creating a statistical atlas of femora from three-dimensional CT data," first author of poster presented at the annual meeting of the American Association of Physical Anthropologists, Anchorage, AK
- Moore, M, EA Fattah & MR Mahfouz (2006), "Comparison of dry and *in situ bone* densities from CT images using fuzzy logic and neural networks," first author of paper presented at the 7th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering, Antibes, FRANCE
- Moore, M (2005), "Skeletal markers of obesity in the lower leg," paper presented at the annual meeting of the American Academy of Forensic Sciences, New Orleans, LA
- Moore, M (2003), "Facial Recognition and the Use of Caricature," **Invited Speaker**, paper presented at the International Association of Identification Regional Meeting, Indianapolis, IN

### **Courses Taught:**

- 2009 Nutrition and Health – Anthropology 415 – Lecture – UM - Dearborn
- 2009 Human Body, Growth and Health – Anthropology 409 – Lecture UM - Dearborn
- 2008 Introduction to Biological Anthropology - Lecture/Lab - Dickinson College, PA
- 2008 Engineering Physiology – Co-Instructor - Governors School, UTK
- 2007 Introduction to Cultural Anthropology - Pellissippi State Technical Community College, Knoxville
- 2007-08 Anatomy and Physiology I & II – Lab Instructor, Pellissippi State Technical Community College, Knoxville
- 2004 Introduction to Biology 101 – Lab Instructor, University of Tennessee
- 2002 Introduction to the Social Sciences – Columbus State Community College
- 2001-02 Introduction to Physical Anthropology – Glendale Community College, San Diego City College, Columbus State Community College
- 2000 Human Adaptation – Lab Instructor, University of Oregon
- 1999 Evolution of Monkeys and Apes – Lab Instructor, University of Oregon

### **Research Experience:**

- 2005-08 Coordinator for Computed Tomographic (CT) scanning of modern skeletal collections, UTK & UNM, more than 600 individuals scanned
- 1999, 00 Forensic Anthropologist for the Physicians for Human Rights Cyprus Project under the direction of Dr. William Haglund
- 1996 Archaeological Assistant Researcher for Athienou Archaeological Project at Athienou-*Malloura*, Cyprus under the direction of Dr. Michael Toumazou of Davidson College, North Carolina
- 1995 Archaeological Field School – Arizona State University under the direction of Dr. Keith Kintigh at Rattlesnake Point, St. Johns, AZ.

### **University Service:**

- 2009 Institutional Review Board, University of Michigan - Dearborn  
2006 Graduate Student Senator, Department of Anthropology, University of Tennessee  
2005 Student Member of the Re-accreditation Committee for the South Eastern Association of Colleges  
2005 Student Member of Search Committee for Assistant Director of Study Abroad Program, Center for International Education, University of Tennessee

### **Study Abroad:**

- 2005 7th European Palaeopathology Short Course, University of Bradford, UK  
1996-97 International Student Exchange Program of Georgetown University, one academic year abroad at the University of Rennes II, Bretagne, France

### **Skills:**

Zooarchaeology, Bioarchaeology, Gross Anatomy, Forensic and Dental Anthropology  
Computer and Statistical Programs: (Mac/IBM) Microsoft Excel, Word, Access; Adobe Photoshop, Design, & Acrobat; Freehand, SAS, NCSS, SPSS, R, Amira, MacPro, D-base  
Museum Installation/Exhibit Preparation: "The Origins of Humanity," McClung Museum, UTK  
French Language Proficiency: speaking, reading, writing  
Archaeological/Scientific Illustration

### **References:**

Dr. Lyle Konigsberg, Professor of Anthropology  
Department of Anthropology, University of Illinois, Urbana-Champaign  
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