

B. Kathleen Alsup
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Education and Training

Education

- 08/2001-05/2005 B.A., Anthropology, Summa Cum Laude, University of Tennessee, Knoxville, TN
- 08/2005-08/2007 M.A., Anthropology, University of Tennessee, Knoxville, TN
- 08/2007-12/2012 Ph.D., Biological Anthropology, University of Tennessee, Knoxville, TN

Training

- Winter 2013 Workshops for the AAMC Medical Education Research Certificate

Academic, Administrative, Clinical and Military Appointments

Academic Appointments

- 12/2007-07/2009 Graduate Research Assistant, National Forensic Academy, Law Enforcement Innovation Center, University of Tennessee, Knoxville, TN
- 08/2009-05/2010 Graduate Teaching Assistant, University of Tennessee, Department of Anthropology, Knoxville, TN
- 07/2010-08/2010 Graduate Teaching Associate, University of Tennessee, Department of Anthropology, Knoxville, TN
- 08/2010-05/2011 Adjunct Lecturer and Anatomy & Physiology I Lab Coordinator, Colorado State University, Department of Biology, Pueblo, CO

- 04/2013-07/2014 Lecturer III: Division of Anatomical Sciences, Department of Medical Education, University of Michigan Medical School, Ann Arbor, MI
- 07/2014-12/2016 Lecturer III: Division of Anatomical Sciences, Department of Surgery, University of Michigan Medical School, Ann Arbor, MI
- 01/2017-present Lecturer IV: Division of Anatomical Sciences, Department of Surgery, Univeristy

Administrative Appointments

- 04/2015-present Curator, Division of Anatomical Sciences, University of Michigan Medical School, Ann Arbor, MI
- 06/2016-present Co-director of DENT 545: Dental Head & Neck Anatomy, University of Michigan School of Dentistry, Ann Arbor, MI
- 03/2017-present Co-director of M1 Anatomy, University of Michigan Medical School, Ann Arbor, MI
- 06/2017-present Co-director of M1 Musculoskeletal sequence, University of Michigan Medical School, Ann Arbor, MI

Research Interests

- Human anatomy education
- Multimedia and technology in education
- Human anatomical collections curating methods and techniques
- Osteology
- Biological and forensic anthropology

Grants

Current Grants

Layering Film into Anatomy Curriculum. Nishioka Fund.

B. Kathleen Alsup & Glenn M. Fox, Co-PI

06/2018-06/2020. \$95,000 (\$50,800)

Layering Film into Anatomy Curricula. Gilbert-Whitaker Fund for Improvement of Teaching.

B. Kathleen Alsup & Glenn M. Fox, Co-PI

04/2018-05/2020. \$6000 (\$6000)

Inclusive Teaching in Anatomy Faculty Communities for Inclusive Teaching Initiative.
B. Kathleen Alsup & Glenn M. Fox, Co-PI
01/2018-12/2019. \$1000 (\$1000)

Past Grants

Human Anatomy MOOC Series Digital Education and Innovation (DEI) Innovation Fund
B. Kathleen Alsup, Glenn M. Fox, John Stribley, Kelli A. Sullivan, Co-PI
02/2016-05/2017. \$97,000

A Better Anatomy Experience through Small Team Multimedia Production Gilbert-Whitaker Fund for the Improvement of Teaching
Glenn M. Fox & B. Kathleen Alsup, Co-PI
12/2013-12/2014. \$5,995

Memberships in Professional Societies

2005-2015	American Association of Physical Anthropologists
2005-2015	American Association of Forensic Sciences
2013-present	American Association of Clinical Anatomists
2013-present	American Association of Anatomists

Editorial Positions, Boards, and Peer-Review Service

Journal Reviewer

2016	American Association of Medical Colleges (Ad Hoc)
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Teaching Activity

Institutional

08/2009-08/2010	University of Tennessee, Department of Anthropology: ANTH 110, Human Origins. Graduate Teaching Assistant and Associate.
08/2009-05/2010	University of Tennessee, Department of Anthropology: ANTH 480. Human Osteology. Graduate Teaching Assistant.

- 08/2010-05/2011 Colorado State University, Pueblo, Department of Biology: BIO 223, Human Anatomy & Physiology I. Adjunct Lecturer.
- 07/2013-present University of Michigan School of Dentistry: DENT 545 Head & Neck Anatomy. Co-director (2016-present). Co-designed and created (with Glenn M. Fox) digital lab manuals and anatomical multimedia tools.
- 08/2013-present University of Michigan Medical School: M1 Gross Anatomy. All small group & laboratory sessions. Joints and Movement lecture (2015-present). Co-designed and created (with Glenn M. Fox) digital lab manuals and anatomical multimedia tools.
- 09/2013-present University of Michigan Medical School: ANAT 403 Human Structure & Function. 6 lectures and 6 labs.
- 06/2013-06/2015 University of Michigan School of Dentistry: DENT 807 Applied Head & Neck Anatomy. 1-2 lectures
- 02/2014 University of Michigan Medical School: M4 Orthopedics elective. Joints lecture & lab session.
- 03/2014-present University of Michigan School of Dentistry: DENT 538 Musculoskeletal System. 2 lectures.
- 06/2015-08/2017 University of Michigan Math and Science Scholars Program: Human Identification: Forensic Anthropology Methods.
- 02/2017-present University of Michigan Medical School: M4 Ob/Gyn elective. Pelvic and Abdominal Walls.
- 02/2018-present University of Michigan Medical School: M4 Emergency Medicine. Lower Limb.

Committee and Administrative Services

Committee Services

Institutional

- 04/2015-present Anatomical Donations Program Committee, University of Michigan, Division of Anatomical Sciences. Curator Representative

03/2017-present M1 Sequence Development Subcommittee, Anatomy Discipline
Co-lead

Administrative Services

Institutional

04/2015-present Curator of Permanently Preserved Specimens, University of
Michigan Medical School, Division of Anatomical Sciences

Volunteer

08/2003-05/2009 Volunteer and consultant. University of Tennessee, Forensic
Anthropology Center, activities include osteological processing,
case work, and digitizing

01/2005-12/2008 Volunteer lecturer. University of Tennessee, Forensic
Anthropology Center, Lecture Titles: *Introduction to Forensic
Anthropology, The Forensic Anthropology Center, Careers in
Forensic Anthropology, Introduction to Biological Anthropology*

01/2008-12/2008 Volunteer lecturer. National Forensic Academy, Law
Enforcement Innovation Center

2014-present Faculty mentor, Undergraduate Research Opportunity
Program, University of Michigan, Ann Arbor, MI. Co-mentor,
Oversee daily efforts of 5 undergraduate employees for the
Division of Anatomical Sciences

2014-present Faculty volunteer, University of Michigan Medical School, Ann
Arbor, MI., Second Look Weekend.

2014 Volunteer, University of Michigan Plastination Laboratory,
University of Michigan Medical School, Dissector

2015-present Faculty volunteer, Galens Medical Society, Ann Arbor, MI. Van
driver

2015-2017 Faculty mentor, Student Biomedical Research Program,
University of Michigan Medical School, Ann Arbor, MI.
Co-mentored Amelia Derstine for project: "Assessing Models of
Musculoskeletal Anatomy Education."

Visiting Professorships, Seminars, and Extramural Invited Presentations

Extramural Invited Presentations

1. Biological Anthropology: Nuts and Bolts. McMinn County Schools, February 2008
2. Unidentified Remains at the University of Tennessee. National Forensic Academy, April 2008
3. The Stories Bones Can Tell: Research in Forensic Anthropology. Flint Undergraduate Anthropology Club Lecture Series, University of Michigan-Flint

Bibliography

Peer-Reviewed Journals and Publications

1. Dudgeon SN, Marcotte KM, Fox GM, Alsup BK.: A previously unclassified variant of sternalis muscle. *Surg Radiol Anat.* June 7: 1-3, 2017. 28593340
2. Prall CR, Azzouz L, Connolly C, Gutierrez M, Moreno N, Olumolade O, Alsup BK, Fox GM. 2019. Describing the sternalis muscle: a new variant and an amended classification. *Surg Radiol Anat.* Accepted for publication.

Non Peer-Reviewed Publications

1. Alsup, B. Kathleen: Investigation of the second, fourth, and eighth sternal rib end variation related to age estimation. University of Tennessee, Knoxville, 2007.
2. Alsup, B. Kathleen: New insights on the peopling of the New World: Analysis of migration waves and ancestral areas of the First Americans. University of Tennessee, Knoxville, 2012.

Abstracts

1. Alsup, B. Kathleen: Investigation of second, fourth, and eighth sternal rib end variation related to age estimation. American Academy of Forensic Sciences. Washington D.C. 2008.

2. Alsup, B. Kathleen. Comparative methodology for examining enamel hypoplasias at the Gold Mine site (12RI13). American Association of Physical Anthropologists. Albuquerque, New Mexico. 2009.
3. Alsup, B. Kathleen: Craniometric variation of a comprehensive sample of early Americans: comparisons and initial observations. American Association of Physical Anthropologists. Portland, OR. 2012.
4. Alsup, B. Kathleen: Phenotypic similarities and dissimilarities in a Paleoamerican sample. American Association of Physical Anthropologists. Knoxville, TN. 2013.
5. Fox, Glenn M. and B. Kathleen Alsup: A better anatomy experience through small team multimedia production and curation of anatomical specimens. Experimental Biology, American Association of Anatomists. San Diego, CA. 2014.
6. Alsup, B. Kathleen: Phenotypic similarities and dissimilarities in a Paleoamerican sample: what are the implications in modeling first migrations into the New World? Experimental Biology, American Association of Anatomists. San Diego, CA. 2014.
7. Dudgeon, Sarah N., Glenn M. Fox, B. Kathleen Alsup: LabLink: Journaling via multimedia in anatomical dissections. Experimental Biology, American Association of Anatomists. Boston, MA. 2015.
8. Fox, Glenn M. and B. Kathleen Alsup: Contextualizing Basic Sciences, Preclinical, and Clinical Concepts via Adaptive Multimedia Networks: 'BlueLink,' a Novel Approach to Interdisciplinary Education. Experimental Biology, American Association of Anatomists. Boston, MA. 2015.
9. Alsup, B. Kathleen, Mia Derstine, Glenn M. Fox: Dissonance among learning modality interest and achievement in anatomical instruction. Experimental Biology, American Association of Anatomists. Boston, MA. 2015.
10. Dudgeon, Sarah N., B. Kathleen Alsup, Glenn M. Fox: Effectiveness of BlueLink cadaveric multimedia resources in a pre-professional course. Experimental Biology, American Association of Anatomists. San Diego, CA. 2016.
11. Fox, Glenn M. and B. Kathleen Alsup: Assessing assessments: the effect of virtual assessment on measuring student success. Experimental Biology, American Association of Anatomists. San Diego, CA. 2016.

12. Alsup, B. Kathleen and Glenn M. Fox: Tailoring virtual content to curricula: BlueLink. Experimental Biology, American Association of Anatomists. San Diego, CA. 2016.
13. Marcotte, Kayla M., Sarah N. Dudgeon, Glenn M. Fox, B. Kathleen Alsup: Innovative Educational Tools for High-Yield Clinical Anatomy, American College of Surgeons, San Diego, CA, 2017.
14. Prall, Cristina R, Lyna Azzouz, Christopher Connolly, Marc Gutierrez, Natalie Moreno, Oluyemi Olumolade, B. Kathleen Alsup, Glenn M. Fox: Classifying Novel Variations of a Rare Muscle: the Sternalis. Experimental Biology, American Association of Anatomists. San Diego, CA. 2108.