

**SCOTT D. MADDUX, PH.D.**  
*CURRICULUM VITAE*

Center for Anatomical Sciences  
Univ. of North Texas Health Science Center  
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**EDUCATION**

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- 2011            Ph.D. in Anthropology  
University of Iowa, Iowa City, IA.  
“A quantitative assessment of infraorbital morphology in *Homo*: Testing for character independence and evolutionary significance in the human midface.”  
Chair: Robert G. Franciscus
- 2006            M.A. in Anthropology  
University of Iowa, Iowa City, IA
- 2003            B.A. in Anthropology (Cum Laude)  
Texas A&M University, College Station, TX

**ACADEMIC APPOINTMENTS**

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- 2016-Present    Assistant Professor, Center for Anatomical Sciences, University of North Texas Health Science Center
- 2011-2016       Assistant Teaching Professor, Department of Pathology and Anatomical Sciences, University of Missouri  
  
Adjunct Professor, Department of Anthropology, University of Missouri
- 2008-2011       Adjunct Lecturer, Math & Science Department, Kirkwood Community College, Cedar Rapids & Iowa City
- 2004-2011       Instructor/Teaching Assistant, Department of Anthropology, Univ. of Iowa

**PROFESSIONAL APPOINTMENTS**

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- 2012-2016       Director, Gift of Body Program, Department of Pathology and Anatomical Sciences, University of Missouri
- 2012-2016       Secretary-Treasurer, Missouri State Anatomical Board, Columbia, MO
- 2007-2009       Cadaver Preparation Assistant. Deeded Body Program, Department of Anatomy and Cell Biology, University of Iowa
- 2003            Collections Assistant. Brazos Valley Museum of Natural History. Bryan, TX

## RESEARCH INTERESTS

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Human craniofacial anatomy with an emphasis on biological factors driving the appearance of orthognathic facial morphology during human evolution.

### Current Projects:

- 2013-Present      The domesticated silver fox as an animal model for investigating genetic linkage between hormones, behavior and craniofacial morphology (in collaboration with the Institute of Cytology and Genetics, Novosibirsk, Russia)
- 2011-Present      Ecogeographic variation in human nasal and maxillary sinus morphology
- 2010-Present      Facial sutures in human craniofacial growth and development
- 2009-Present      Allometric implications of facial and dental size reduction during human evolution

## PUBLICATIONS

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### Peer-reviewed Journal Articles

- in press            **Maddux, S.D.**, T.R. Yokley, L.N. Butaric, R.G. Franciscus. "Climate and the human nose: Ecogeographic variation across morphofunctional units of the nasal complex." *American Journal of Physical Anthropology*.
- in press            **Maddux, S.D.**, L.N. Butaric. "The influence of zygomatico-maxillary morphology on maxillary sinus form and function: How spatial constraints influence pneumatization patterns among modern humans." *Anatomical Record*.
- in press            **Maddux, S.D.**, T.R. Yokley, B.M. Svoma, R.G. Franciscus. "Absolute humidity and the human nose: A re-analysis of climate zones and their influence on nasal form and function." *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23032.
- 2016                Butaric, L.N., **S.D. Maddux**. "Morphological covariation between the maxillary sinus and midfacial skeleton among sub-Saharan and circumpolar modern humans." *American Journal of Physical Anthropology*. 160:483-497.
- 2016                Polanski, J.M., H.E. Marsh, **S.D. Maddux**. "Dental size reduction in Indonesian *Homo erectus*: Implications for the PU-198 premolar and the appearance of *Homo sapiens* on Java." *Journal of Human Evolution*. 90:49-54.
- 2015                **Maddux, S.D.**, A.N. Sporleder, C.E. Burns. "Geographic variation in zygomaxillary suture morphology and its use in ancestry estimation." *Journal of Forensic Sciences*. 60(4): 966-973.

- 2015 **Maddux, S.D.**, C.V. Ward, F.H. Brown, J.M. Plavcan, F.K. Manthi. "A 750,000 year old hominin molar from the site of Nadung'a, West Turkana, Kenya." *Journal of Human Evolution*. 80(3): 179-183.
- 2013 Moffett, E.A., **S.D. Maddux**, C.V. Ward. "Sexual dimorphism in relative sacral breadth among catarrhine primates." *American Journal of Physical Anthropology*. 152(4): 435-446.
- 2012 Wu, X., **S.D. Maddux**, L. Pan, E. Trinkaus. "Nasal floor variation among eastern Eurasian Pleistocene *Homo*." *Anthropological Science*. 120(3): 217-226.
- 2010 Holton, N.E., R.G. Franciscus, M.A. Nieves, S.D. Marshal, S.B. Reimer, T.E. Southard, J.C. Keller, **S.D. Maddux**. "Sutural growth restriction and modern human facial evolution: an experimental study in a pig model." *Journal of Anatomy*. 216(1): 41-61.
- 2009 **Maddux, S.D.**, R.G. Franciscus. "Allometric scaling of infraorbital surface topography in *Homo*." *Journal of Human Evolution*. 56(2): 161-174.

#### Peer-reviewed Journal Articles (in preparation)

- in prep. Franciscus, R.G., **S.D. Maddux**. "The nasal morphology of the Saint-Césaire 1 Neandertal does not show transitional, admixed, or convergent form with modern humans." For submission to the *Journal of Human Evolution*.

#### Books

- Under contract Cowgill, L.W., **S.D. Maddux** (editors). *Neandertal Skeletal Anatomy: Form, Function and Paleobiology*. New York: Cambridge University Press.

#### Book Chapters

- in prep. **Maddux, S.D.**, R.G. Franciscus. "The Facial Skeleton". In *Neandertal Skeletal Anatomy: Form, Function and Paleobiology*. Cowgill, L.W. & S.D. Maddux (editors). New York: Cambridge University Press.
- 2010 **Maddux, S.D.** "Experimental insights into the evaluation of knapping skill in Pliocene hominids." In *Pushing the Envelope: Experimental Directions in the Archaeology of Stone Tools*. Grant S. McCall (editor). pp. 1-18. New York: Nova Science Publishers.

#### Book Reviews

- 2013 **Maddux, S.D.** Review of "Race? Debunking a Scientific Myth" by Ian Tattersall and Rob Desalle. *American Journal of Physical Anthropology*. 150(1): 166.

- 2007 Ciochon, R.L., **S.D. Maddux**. Review of “The First Boat People” by Steve Webb. *American Anthropologist*. 109: 318.

**Published Abstracts (10 most recent, 19 total)**

- 2015 Butaric, L.N., **S.D. Maddux**. Covariation of the internal and external midfacial skeleton among modern humans of Asian descent. *Proceedings of the European Society for the Study of Human Evolution*. 4: 63.
- 2015 Yokley, T.R., **S.D. Maddux**. On the non-existence of cold, wet air and implications for studies of human nasal variation. *American Journal of Physical Anthropology*. S60: 329
- 2015 Butaric, L.N., **S.D. Maddux**. Morphological covariation between maxillary sinus shape and the midfacial skeleton. *American Journal of Physical Anthropology*. S60: 96-97
- 2015 Ward, C.V., S.J. Peacock, Z. Winkler, **S.D. Maddux**. Covariation among elements of the bony torso in anthropoid primates. *The FASEB Journal*, 29 (1 Supplement), 701.1.
- 2015 Ward, C.V., S.J. Peacock, Z. Winkler, A.S. Hammond, **S.D. Maddux**. Torso form and locomotion in anthropoid primates. Abstracts of the annual meeting of the *Society for Integrative and Comparative Biology*. 2015: 339
- 2014 Butaric, L.N., **S.D. Maddux**. A preliminary 3D analysis of ecogeographical variation in modern human maxillary sinus shape. *American Journal of Physical Anthropology*. 58S: 87.
- 2014 Savage, C., **S.D. Maddux**, C.V. Ward, D.J. Wescott. A new classification system for assessing morphological variation in lumbosacral transitional vertebrae. *American Journal of Physical Anthropology*. 58S: 229-230.
- 2013 Yokley, T.R., **S.D. Maddux**, N. Holton, R.G. Franciscus. The human nose: functions, variation, and climatic adaptation. *International Congress of Vertebrate Morphologists*.
- 2013 Franciscus, R.G., **S.D. Maddux**., K. Wikstrom Schmidt. “Anatomically modern humans as a ‘self-domesticated’ species: insights from ancestral wolves and descendant dogs.” *American Journal of Physical Anthropology*. 56S: 125.
- 2013 Sporleder, A.N., C.E. Burns, **S.D. Maddux**. “Assessing the forensic utility of the zygomaxillary suture in ancestry estimation” *American Journal of Physical Anthropology*. 56S: 261.

- 2013 Burns, C.E., A.N. Sporleder, **S.D. Maddux**. "Zygomaxillary suture morphology in Pleistocene and Holocene *Homo*." *American Journal of Physical Anthropology*. 56S: 90-91.

## RESEARCH GRANTS AND AWARDS

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### External

- in review Growing from the inside: The ontogeny of the human internal midface. Wenner-Gren Research Grant. C. Nicholas, Principal Investigator; **S.D. Maddux**, L.N. Butaric, A. Evteev, Co- Principal Investigators. \$14,712.00 requested.
- 2009 "Assessing the reliability of infraorbital variables in phylogenetic analyses of later *Homo*." Wenner-Gren Foundation Dissertation Fieldwork Grant. **S.D. Maddux**, Principal Investigator. \$18,353.00
- 2009 "Assessing the reliability of infraorbital characters in phylogenetic analyses of Pleistocene *Homo*." Leakey Foundation General Research Grant. **S.D. Maddux**, Principal Investigator. \$12,612.70.

### Internal

- 2013 "Investigating parallel patterns of skeletal gracilization in canid domestication and human evolution: A test of the 'self-domestication' hypothesis." University of Missouri Research Council Grant. **S.D. Maddux**, Principal Investigator. \$6,975.00
- 2010 "Assessing the reliability of infraorbital characters in phylogenetic analyses of Pleistocene *Homo*." Graduate College Summer Fellowship. **S.D. Maddux**, Principal Investigator. \$3,000.00
- 2009 "A quantitative assessment of infraorbital morphology in *Homo*: Testing for character independence and evolutionary significance." T. Anne Cleary Award for International Research. **S.D. Maddux**, Principal Investigator. \$5,000.00
- 2009 "Assessing infraorbital size and shape in fossil humans." ECGPS Research Grant. **S.D. Maddux**, Principal Investigator. \$992.00
- 2008 "Assessing infraorbital allometry in *Homo*." Stanley Graduate Award for International Research. **S.D. Maddux**, Principal Investigator. \$2,000.00
- 2005 "The canine fossa: Defining a modern trait and analyzing variation in the infraorbital region in modern *Homo*." Department of Anthropology Research Grant, **S.D. Maddux**, Principal Investigator. \$2,165.00

## STUDENT MENTORING

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### Ph.D. Student Committee Membership

- 2016-present Emma Wood, Dept. of Anthropology, University of Iowa, Iowa City, IA. Ph.D. Research: Evolutionary convergence in skeletal morphology in domesticated canids and modern humans.  
Committee Chair: Robert Franciscus.
- 2016-present Tarah Marks, Dept. of Anthropology, University of Iowa, Iowa City, IA. Ph.D. Research: Ecogeographic variation in modern human nasal turbinate morphology.  
Committee Chair: Robert Franciscus.
- 2013-present Sarah Peacock, Dept. of Pathology & Anatomical Sciences, University of Missouri, Columbia, MO. Ph.D. Research: Ecogeographic variation in day length, melatonin levels, and bone biology in modern humans.  
Committee Co-chairs: **Scott Maddux** and Kevin Middleton.
- University of Missouri - Life Sciences Fellow
  - University of Missouri - Gus T. Ridgel Fellow
- 2012-2013 Ashley Hammond, Dept. of Pathology & Anatomical Sciences, University of Missouri, Columbia, MO. Dissertation: Novel 3D analysis of hip joint mobility and the evolution of locomotor abilities in Miocene hominoids.  
Committee Chair: Carol Ward.
- University of Missouri - Life Sciences Fellow
  - Funded by the National Science Foundation, Leakey Foundation and Wenner-Gren Foundation.

### Graduate Student Research Rotations

- 2012-2013 Elizabeth Moffett, Dept. of Pathology & Anatomical Sciences, University of Missouri, Columbia, MO. Research focus: Obstetric implications of sexual dimorphism in sacral dimensions among catarrhine primates.
- University of Missouri - Life Sciences Fellow

### Undergraduate Student Research

- 2012-2015 Casey Burns, Biological Sciences major. University of Missouri, Columbia, MO. Research focus: Zygomaxillary suture morphology in recent and fossil *Homo*.
- University of Missouri's 2013 Mary McCarty Outstanding Junior in Biological Sciences. Mentor: **S.D. Maddux**
  - 2<sup>nd</sup> Place in the Undergraduate Genetics/Evolution division of the University of Missouri Life Sciences Week. Project: "Zygomaxillary suture morphology in Pleistocene and Holocene *Homo*." Mentor: **S.D. Maddux**

- 2012-2015 Jin Yan, Radiological Sciences major. University of Missouri, Columbia, MO. Research focus: Skeletal morphology of wild and domesticated canids with implications for the “self-domestication hypothesis” of modern human origins.
- 2012-2014 Jamin Shih, Anthropology & Psychology major. University of Missouri, Columbia, MO. Research focus: Forensic osteology of the University of Missouri Anatomy Skeletal Collection.
- Currently: Graduate student, Interdisciplinary Humanities Graduate Program (Anthropology), University of California, Merced.
- 2012-2014 Alexandria Sporleder, Biochemistry major. University of Missouri, Columbia, MO. Research focus: Forensic utility of the human zygomatic suture in osteological estimation of ancestry.
- Currently: Medical Student, University of Pikeville - College of Osteopathic Medicine.

## INVITED LECTURES

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- 2016 “What does the fox say? Insights on human craniofacial evolution from domesticated canids. Des Moines University, Des Moines, IA. 5/6/2016
- 2016 “What does the fox say? Insights on human craniofacial evolution from domesticated canids. University of North Texas, Health Science Center, Fort Worth, TX. 3/10/2016
- 2013 “Behavioral selection and morphology during canid domestication and human evolution.” Institute of Cytology and Genetics, Novosibirsk, Russia 7/25/2013
- 2013 “Dogs and modern humans: An example of convergent evolution?” Department of Biology, William Woods University, Fulton, MO. 3/1/2013
- 2012 “Zygomaticoalveolar crest curvature in recent and fossil *Homo*: Implications for Neandertal facial biomechanics.” University of Missouri, Pathology & Anatomical Sciences Grand Rounds. 2/13/2012
- 2011 “A quantitative assessment of zygomaticoalveolar crest curvature in recent and fossil *Homo*.” Department of Anthropology, Washington University, St. Louis. 11/30/2011

## RESEARCH COLLECTIONS EXAMINED

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- 2013 **Russia:** Domesticated silver fox research center, Institute of Cytology and Genetics, Novosibirsk.
- 2012 **United States:** Zoology (Canid) Collections, Field Museum of Natural History, Chicago.
- 2010 **Australia:** Roonka Collection, South Australia Museum, Adelaide.

**France:** Musee de l'Homme, Paris; Institute de Paleontologie Humaine, Paris; Musee National de Prehistoire, Les Eyzies-de-Tayac; Université Bordeaux I, Talence.

**Spain:** Gran Dolina (Atapuerca) Human Fossil Collection, Centro National de Investigacion Sobre la Evolución Humana, Burgos. Museo de la Evolución Humana, Burgos. Sima de los Huesos (Atapuerca) Human Fossil & Cast Collection, Universidad Complutense de Madrid, Madrid.

**United States:** Paleoanthropology Laboratory, Washington University, St. Louis.

2009

**Austria:** Natural History Museum, Vienna.

**Belgium:** Institut Royal des Sciences Naturelles de Belgique, Brussels.

**China:** Institute of Vertebrate Paleontology and Paleoanthropology, Beijing.

**Czech Republic:** Moravian Museum, Brno.

**Ethiopia:** National Museum, Addis Ababa.

**France:** Institute de Paleontologie Humaine, Paris.

**Germany:** Museum für Vor- und Frühgeschichte, Berlin; Rheinisches Landesmuseum, Bonn; Staatliches Museum für Naturkunde, Stuttgart.

**Greece:** Aristotle University of Thessaloniki, Thessaloniki.

**Israel:** Rockefeller Museum, Jerusalem; University of Tel Aviv, Tel Aviv.

**Italy:** Museo Fiorentino di Preistoria, Florence; Museo Nazionale Preistorico Etnografico "L.Pigorini", Rome; Università di Roma "La Sapienza," Rome; University of Sienna, Sienna; Museo dei Balzi Rossi, Ventimiglia.

**Japan:** National Museum of Natural and Science, Tokyo.

**Romania:** Institutul de Speologie "Emil Racovita", Bucharest.

**Russia:** Laboratory of Anthropological Reconstruction, Moscow.

**South Africa:** National Museum, Bloemfontein; Iziko South African Museum, Cape Town; University of Cape Town, Cape Town; East London Museum, East London; Florisbad Research Station, Florisbad; P.V.T. Fossil Laboratory, University of Witwatersrand, Johannesburg; Raymond Dart Collection, University of Witwatersrand, Johannesburg; Ditsong National Museum of Natural History (Transvaal Museum), Pretoria.

**The Netherlands:** Nationaal Natuurhistorisch Museum, Leiden.

**United Kingdom:** Natural History Museum, London.

**United States:** UI-Stanford Collection, University of Iowa, Iowa City; American Museum of Natural History, New York; National Museum of Natural History, Washington, D.C.

2007 **United States:** Human Origins & Physical Anthropology Collections, National Museum of Natural History, Washington, D.C.

2005 **Austria:** Anthropology Cranial Collection, Natural History Museum, Vienna. Khoi San Cranial Collection, Institute of Anthropology, Vienna.

## TEACHING INTERESTS

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Human Anatomy, Osteology, Human Evolution, Biological Anthropology, Forensics, Quantitative Methods

## TEACHING GRANTS AND AWARDS

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2013 "Redesign of Human Anatomy lecture and laboratories (PAS 2201 & 2203) using enhanced educational technologies". **S.D. Maddux**, Co-Principal Investigator (with C.V. Ward, K.A. Aldridge, C.A. Holliday, K.M. Middleton, J. Harper-Judd). \$78,000.00

## TEACHING PUBLICATIONS AND PRESENTATIONS

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2014 **Maddux S.D.**, C.V Ward, K.M. Middleton, K. Aldridge, C. Holliday, J. Harper-Judd, M. Jorgensen, L.N. Butaric, S. Wetzal. The role of the gift of body donors as medical educators. University of Missouri School of Medicine Education Day, Columbia, Missouri.

2014 Harper-Judd, J., C.V. Ward, K. Aldridge, C.M. Holliday, **S.D. Maddux**, K. Middleton, M. Jorgensen, L.N. Butaric. Undergraduate human anatomy course redesign. University of Missouri School of Medicine Education Day, Columbia, Missouri.

## TEACHING EXPERIENCE

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### Professional School Courses

2016-2017 Gross Anatomy of the Musculoskeletal and Skin Systems (1<sup>st</sup> year medical students). University of North Texas Health Science Center. Lecturer for unit 1 (upper limb) and co-instructor for all labs.

2015-2016 Human Gross Anatomy (physical and occupational therapy students). University of Missouri. Course Director and lead instructor for all lectures and labs in unit 3 (head, neck, thorax and abdomen) and unit 4 (pelvis and lower limb).

- 2013-2016      Advanced Regional Gross Anatomy (4<sup>th</sup> year medical students). University of Missouri. Course Director and lead instructor for all anatomical regions.
- 2011-2016      Clinical-Oriented Gross Anatomy (1<sup>st</sup> year medical students). University of Missouri. Co-instructor for all labs.

**Graduate Seminar Courses**

- 2016              Evolution Bootcamp (Bio\_Sci 8002). University of Missouri. Co-instructor of team taught seminar.
- 2015-2016      Current Issues in Anatomy – Professional Development for Graduate Students (PATH\_AS 8010). University of Missouri. Co-instructor of team taught seminar.
- 2011-2016      Foundations of Evolutionary Biology (PATH\_AS 8100). University of Missouri. Co-instructor of team taught seminar.
- 2011-2016      Foundations of Evolutionary Morphology (PATH\_AS 8150). University of Missouri. Co-instructor of team taught seminar.
- 2011-2016      Current Issues in Anatomy – Readings in Evolutionary Anatomy (PATH\_AS 8010). University of Missouri. Co-instructor of team taught seminar.

**Undergraduate Courses**

- 2011-2016      Human Anatomy Lecture (PATH\_AS 2201). University of Missouri. Course Director and co-lecturer (team taught).
- 2011-2016      Human Anatomy Laboratory (PATH\_AS 2203). University of Missouri. Course Director and co-laboratory instructor (team taught).
- 2011-2016      Forensic Pathology and Death Investigation (PATH\_AS 4220). University of Missouri. Co-lecturer (team taught).
- 2011-2016      Research and Instructional Techniques (PATH\_AS 3460). University of Missouri. Course Director.
- 2011-2013      Honors Research in Anthropology (ANTHRO 4950H). University of Missouri. Course Director.
- Summer 2011    Human Origins (ANTH 1301), University of Iowa. Course Director and sole instructor.
- 2008-2011      Human Biology (Bio 154) Kirkwood Community College, Cedar Rapids & Iowa City campuses. Course Director and sole instructor.
- 2010-2011      Anthropology of Death (ANTH 3127), University of Iowa. Graduate assistant.

- 2007-2008 Introduction to Prehistory (ANTH 1201), University of Iowa. Graduate assistant and sole instructor of associated laboratory sections.
- 2004-2011 Human Origins (ANTH 1301), University of Iowa. Graduate assistant and sole instructor for associated laboratory sections.

### **Guest Lectures**

- 2014 Functional Morphology of the Human Skeleton (ANTHRO 4520/7520), University of Missouri, "Neandertal facial biomechanics." Course Instructor: Libby Cowgill.
- 2012 Human Biology and Life History (ANTHRO 3540), University of Missouri, "The origins of human anatomical sex differences." Course Instructor: Libby Cowgill.
- 2010 Human Origins (ANTH 1301), University of Iowa, "The Neandertals." Course Instructor: Nelson Ting.
- 2010 Human Origins (ANTH 1301), University of Iowa, "Introduction to paleontology." Course Instructor: Nelson Ting.
- 2005 Human Origins (ANTH 1301), University of Iowa, "The Neandertals." Course Instructor: Russell Ciochon.

### **SERVICE**

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#### **Professional Committees**

- 2011-Present Pollitzer Student Travel Award Committee, American Association of Physical Anthropologists.
- 2011-Present AAPA Student Prize Committee, American Association of Physical Anthropologists.

#### **Manuscript & Grant Reviewer**

- 2016-present The Anatomical Record
- 2014-present American Journal of Physical Anthropology
- 2013-present The Leakey Foundation
- 2012-present Journal of Human Evolution

#### **Departmental/University Service**

- 2014-2015 Education Committee, Evolutionary Studies Program, University of Missouri, Columbia, MO
- 2014-2015 Student Awards Judge, Undergraduate Research Forum. University of Missouri, Columbia, MO
- 2013-2015 Student Awards Judge, Life Sciences Research Day. University of Missouri, Columbia, MO
- 2013-2014 Faculty Mentor, Life Sciences Research Day. University of Missouri, Columbia, MO
- 2013-2014 Faculty Mentor, Undergraduate Research Forum. University of Missouri, Columbia, MO
- 2012-2013 Faculty Mentor, Health Sciences Research Day. University of Missouri, Columbia, MO
- 2010 Research Grant Reviewer, Executive Council of Graduate and Professional Students, University of Iowa, Iowa City, IA
- 2010 Brown Bag Speaker Series Coordinator, Department of Anthropology, University of Iowa, Iowa City, IA
- 2008 Graduate Mentor, Honors Networking Dinner, University of Iowa Honors Program, University of Iowa, Iowa City, IA
- 2008 Student Judge, James F. Jakobsen Graduate Conference, University of Iowa, Iowa City, IA
- 2007-2008 President, Anthropology Graduate Student Association, Department of Anthropology, University of Iowa, Iowa City, IA
- 2006-2007 Vice President & Faculty Representative, Anthropology Graduate Student Association, Department of Anthropology, University of Iowa, Iowa City, IA

**Departmental/University Outreach**

- 2013-2016 "Dinosaurs and Cavemen." Community outreach program on evolution. Rock Bridge High School, Columbia, MO
- 2013-2016 "Human Gross Anatomy Lab." Field Trip for Columbia Career Center - nursing program. University of Missouri, Columbia, MO
- 2013-2016 "Human Gross Anatomy Lab." Field Trip for Marshall High School anatomy and physiology class. University of Missouri, Columbia, MO
- 2013 "Human Functional Morphology Lab." Gross anatomy laboratory session for University of Missouri Human Functional Morphology course. University of Missouri, Columbia, MO

- 2012-2016 "Human Gross Anatomy Lab." Field Trip for Moberly High School anatomy class. University of Missouri, Columbia, MO
- 2012-2016 "Human Neuroanatomy Lab." Anatomy laboratory session for William Woods University anatomy course. University of Missouri, Columbia, MO
- 2012-2016 "Human Gross Anatomy Lab." Mini Medical School, High School outreach program. School of Medicine, University of Missouri, Columbia, MO
- 2012-2015 "Clinical Cadaver Workshop." Professional Outreach to Physical Therapists in Central Missouri. School of Health Professions, University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for Brookfield High School anatomy class. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for Ashland High School anatomy class. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for Paris High School anatomy class. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for Cooper County High School anatomy class. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for Boonslick High School Technical Education Center. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Field Trip for the University of Missouri Pre-Medical Student Society. University of Missouri, Columbia, MO
- 2012-2015 "Human Gross Anatomy Lab." Mini Medical School, High School outreach program. School of Medicine, University of Missouri, Columbia, MO
- 2011-2015 "Introduction to Human Gross Anatomy." Outreach seminar for State Fair Community College Radiology Program. University of Missouri, Columbia, MO

### **Forensic Investigations**

- 2012 Case #ME12-462, Medical Examiner's Office, University of Missouri, Columbia, MO
- 2012 Case #ME12-414, Medical Examiner's Office, University of Missouri, Columbia, MO
- 2012 Case #ME12-191, Medical Examiner's Office, University of Missouri, Columbia, MO

2012 Case #ME12-020, Medical Examiner's Office, University of Missouri,  
Columbia, MO

**SOCIETIES**

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2014-Present American Association of Anatomists

2008-Present Paleoanthropology Society

2005-Present American Association of Physical Anthropologists