

Curriculum Vitae

Denné Nakima Reed

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Biographical Sketch

Denné Reed is a paleoanthropologist and Associate Professor in the Department of Anthropology at the University of Texas at Austin who studies the influences of ecology and environment on human adaptation, and behavior. He has conducted paleontological and archaeological field research in East Africa, southern Africa, and Morocco including 12 years of paleoanthropological research in Ethiopia focusing on early human origins. As the director of the Paleo Core project, Dr. Reed is working to integrate paleoanthropological data in order to address broad-scale questions about human evolution and environmental change, and to make the archaeological and fossil records more accessible to researchers, students and the public.

Education

Ph.D. 2003 Anthropological Sciences: Stony Brook University
M.A. 1997 Anthropological Sciences: Stony Brook University
B.Sc. 1993 Honors in Anthropology: University of Michigan at Ann Arbor

Professional Appointments

2012-present Associate Professor, Department of Anthropology, University of Texas at Austin
2007-2012 Assistant Professor, Department of Anthropology, University of Texas at Austin
2006-2007 NSF Postdoctoral Fellow Musée National d'Histoire Naturelle, Paris
2004-2006 NSF Postdoctoral Fellow National Museum of Natural History, Smithsonian
2004 Assistant Clinical Instructor for medical gross anatomy, Howard University Medical School
2001 Adjunct Clinical Instructor for medical gross anatomy, Sophie Davis Medical School - CUNY
2000 Assistant Clinical Instructor for medical gross anatomy, SUNY Downstate Medical School

Research Keywords

human evolution, paleolithic archaeology, terrestrial paleoecology, taphonomy, spatial analysis, remote sensing, quantitative methods.

Peer Reviewed Journal Articles

Cuthbertson P, Ulmann T, Büdel C, Aristeidis V, Namen A, Seltmann R, **Reed DN**, Taimagambetov Z, Iovita R. (submitted) Finding karstic caves and rockshelters in the Inner Asian mountain corridor using predictive modeling and field survey. *PLOS ONE*.
Janzen A, Bataille C, Copeland S, Quinn R, Ambrose S, **Reed DN**, Grimes V, Richards M, le Roux P, Roberts P. (in revision) Spatial variation in bioavailable strontium isotope ratios ($87\text{Sr}/86\text{Sr}$) in Kenya and northern Tanzania: Implications for ecology, paleoanthropology, and archaeology. *Palaeogeography, Palaeoclimatology, Palaeoecology*.
Alemseged Z, Wynn JG, Geraads D, **Reed DN**, Barr WA, Bobé R, McPherron S, Deino A, Araya M, Sier M, Roman D, Mohan J. 2020. Fossils from Mille-Logya, Afar, Ethiopia, shed light on the link between late Pliocene environmental changes and the origin of Homo. *Nature Communications* 11:2480.

- Geraads D, Didier G, Barr WA, **Reed DN**, Laurin M. 2020. The fossil record of camelids demonstrates a late divergence between Bactrian camel and dromedary. *Acta Palaeontologica Polonica*. Pol. 65(2): 251-260.
- Reed DN**, Harrison T, Kwekason A. 2019. Eyasi Plateau Paleontological Expedition, Laetoli, Tanzania, fossil specimen database 1998-2005. *Scientific Data*. 6(304): 1-11. Doi: 10.1038/s41597-019-0304-2.
- Geraads D, Barr WA, **Reed DN**, Laurin M, Alemseged Z. 2019. New remains of *Camelus grattardi* (Mammalia, Camelidae) from the Plio-Pleistocene of Ethiopia and the phylogeny of the genus. *Journal of Mammalian Evolution*. <https://doi.org/10.1007/s10914-019-09489-2>.
- Reed DN**, Dirks W, McMaster L, Harrison T. 2017. Accuracy of Habitat Reconstruction Based on a Blind Test of Micromammal Evidence from East Africa. *Historical Biology*. doi: 10.1080/08912963.2017.1360295
- Reed DN**, Barr WA, McPherron S, Bobe R, Geraads D, Wynn JG, Alemseged Z. 2015. Digital Data Collection in Paleoanthropology. *Evolutionary Anthropology*. 24:238-249.
- Thompson JC., McPherron S, Bobe R, **Reed DN**, Barr WA, Wynn JG, Marean C, Geraads D, Alemseged Z. 2015. Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. *Journal of Human Evolution*, 86:112-135.
- Byrom AE, Nkwabi AJ, Metzger K, Mduma SA, Forrester GJ, Ruscoe WA, **Reed DN**, Bukombe J, Mchetto J, Sinclair ARE. 2015. Anthropogenic stressors influence small mammal communities in tropical east African savanna at multiple spatial scales. *Wildlife Research*, 42(2):119-131.
- Geraads G, Alemseged Z, Bobe R, **Reed DN**. 2015. Pliocene Carnivora (Mammalia) from the Hadar Formation at Dikika, Lower Awash Valley, Ethiopia. *Journal of African Earth Sciences*, 107:28-35.
- Miller JH, Behrensmeyer AK, Du A, Lyons SK, Patterson D, Toth A, Villaseñor A, Kanga E, **Reed DN**. 2014. Ecological fidelity of functional traits based on species presence-absence in a modern mammalian bone assemblage (Amboseli, Kenya). *Paleobiology*, 40(4): 560-583.
- Byrom A, Craft M, Durant S, Nkwabi AJ, Metzger K, Hampson K, Mduma S, Forrester G, Ruscoe W, **Reed DN**, Bukombe J, Mchetto J, Sinclair ARE. 2014. Episodic outbreaks of small mammals influence predator community dynamics in an East African savanna ecosystem. *Oikos*. 123(8):1014-1024
- Dibble HL, Aldeias V, Jacobs Z, Olszewski D, Rezek Z, Lin S, Alvarez-Fernández E, Barshay-Szmidt C, Hallett-Desguez E, **Reed DN**, Reed K, Richter D, Steele T, Skinner A, Blackwell B, Doronicheva E, El-Hajraoui M. 2013. On the industrial attribution of the Aterian and Mousterian of the Maghreb. *Journal of Human Evolution*. 64(3):194-210.
- Dibble HL, Aldeias V, Alvarez-Fernandez E, Blackwell B, Hallett-Desguez E, Jacobs Z, Goldberg P, Morala A, Meyer M, Olszewski E, **Reed DN**, Reed K, Steele T, Richter D, Roberts R, Sandgathe D, Schurmans U, Skinner A, El-Hajraoui M. 2012. New Excavations at the Site of Contrebandiers Cave, Morocco. *Paleoanthropology*, 2012:145-201.
- Reed, DN** and Geraads D. 2012. Evidence for a Late Pliocene faunal transition based on a new rodent assemblage from Oldowan locality Hadar A.L. 894, Afar Region, Ethiopia. *Journal of Human Evolution*. 62(3):328-337.
- Reed, DN** 2011. New murid (Mammalia: Rodentia) fossils from a late Pliocene (2.4 Ma) locality, Hadar A.L. 894, Afar Region, Ethiopia. *Journal of Vertebrate Paleontology*. 31(6):1326-1337.
- McPherron, SP, Alemseged Z, Marean C, Wynn JG, **Reed DN**, Geraads D, Bobe R, Béarat H. 2011. Tool-marked bones from before the Oldowan change the paradigm. *Proceedings of the National Academies of Science*. 108(21):E116.
- Geraads D, Alemseged Z, Bobe R, **Reed DN**. 2011. *Enhydriodon dikikae* sp. nov. (Carnivora: Mammalia), a gigantic otter from the Pliocene of Dikika, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology*. 31(2): 447-453.
- McPherron SP, Alemseged Z, Marean CW, Wynn JG, **Reed DN**, Geraads D, Bobe R, Bearat HA. 2010. Evidence for stone-tool-assisted consumption of animal tissues before 3.39 million years ago at Dikika, Ethiopia. *Nature (cover)*. 466(7308): 857-860.

- Reed DN** and Barr WA, 2010. A preliminary account of the rodents from Pleistocene levels at Grotte des Contrebandiers (Smuggler's Cave), Morocco. *Historical Biology*. 22: 286-294.
- Geraads D, Alemseged Z, Bobe R, **Reed DN**, 2010. *Nyctereutes lockwoodi*, n. sp., a new canid (Carnivora: Mammalia) from the middle Pliocene of Dikika, Lower Awash, Ethiopia. *Journal of Vertebrate Paleontology*. 30: 981-987.
- Reed DN**, Anderson TM, Dempewolf J, Metzger K., Serneels S. 2009. The spatial distribution of vegetation types in the Serengeti ecosystem: the influence of rainfall and topographic relief on vegetation patch characteristics. *Journal of Biogeography* 36: 770–782.
- Alemseged Z, Spoor F, Kimbel WH, Bobe R, Geraads D, **Reed DN**, Wynn JG, 2006. A juvenile early hominin skeleton from Dikika, Ethiopia. *Nature (cover)*. 443: 296–301.
- Wynn JG, Alemseged Z, Bobe R, Geraads D, **Reed DN**, Roman DC, 2006. Geological and palaeontological context of a Pliocene juvenile hominin at Dikika, Ethiopia. *Nature*. 443: 332-336.
- Reed DN**, 2005. Taphonomic implications of roosting behavior and trophic habits in two species of African owl. *Journal of Archaeological Science*. 32: 1669–1676.
- Alemseged Z, Wynn JG, Kimbel WH, **Reed DN**, Geraads D, Bobe R, 2005. A new hominin from the Basal Member of the Hadar Formation, Dikika, Ethiopia, and its geological context. *Journal of Human Evolution*. 49: 499–514.
- Geraads D, Alemseged Z, **Reed DN**, Wynn JG, 2004. The Pleistocene fauna (other than Primates) from Asbole, lower Awash Valley, Ethiopia, and its environmental and biochronological implications. *Geobios*. 37: 697-718

Grants and Awards

- National Science Foundation 12-538 BCC: "PaleoCore: A model for Developing Distributed Data Frameworks in SBE and EHR" Awarded \$203,337. PI. Co-PI John Kappelman. 2012-2017
- Wenner Gren Foundaton Early Hominin Paleoenvironments in the Hadar and Shungura Formations: Insights from Bovid Ecomorphology (William Andrew Barr - Dissertation Fieldwork Grant) PI Awarded \$13,317. PI.
- Longhorn Innovation Fund for Technology Grant: "eFossils: An Interactive Online Community Database for the Study of Human Evolution." Awarded \$108,816. Co-PI with J. Kappelman. 2010-2011.
- National Science Foundation Collaborative Research Grant: "Paleontological Field Research at Dikika Ethiopia." Awarded \$135,089. Co-PI with Z. Alemseged. 2009-2011.
- University of Texas Liberal Arts Instructional Technology Grant: "Human Origins Teaching Initiative." Awarded \$24,000. PI. 2009.
- National Science Foundation Dissertation Improvement Grant: "Micromammal paleoecology: Past and present relationships between African small mammals and their habitats." Awarded \$14,700. Co-PI with C. Marean. 1998-2001.
- Wenner-Gren Foundation for Anthropological Research: "Micromammal paleoecology: Past and present relationships between African small mammals and their habitats." Awarded \$15,000. Co-PI with C. Marean. 1998-2001.
- Ford Foundation Dissertation Fellowship. Awarded \$24,000. 2001.
- NSF Minority Graduate Fellowship. Awarded \$42,000. 1995
- Stony Brook University Berghard Turner Fellowship. Awarded \$70,000. 1994.

Digital Resources

Reed, Denné N., John Kappelman, Tomislav Urban, W. Andrew Barr, Andrew Cook. 2012-present. Paleo Core: Data Integration for Paleoanthropology. <https://www.paleocore.org> and <https://github.com/paleocore>.

Reed, Denné N. 2012-present. Paleoanthropology Society Website and Online Journal. <http://www.paleoanthro.org> and <https://github.com/paleoanthro>.

Kappelman, John, Peter Keane, **Denné Reed**. 2011. eFossils. <http://www.efossils.org>.

Refereed Book Chapters

Reed, Denné N., W. Andrew Barr, John Kappelman. 2018. PaleoCore: an open-source platform for geospatial data integration in paleoanthropology. In: Robert Anemone and Glenn Conroy (eds.) "New Geospatial Approaches in Anthropology." University of New Mexico Press.

Byrom, A., W. Ruscoe, A. Nkwabi, K. Metzger, G. Forrester, S. Durante, S. Makacha, J. Bukombe, J. Mchetto, S. Mduma, **D. Reed**, K. Hampson, and A. R. E. Sinclair. 2015. Small mammal diversity and population dynamics in the greater Serengeti ecosystem; p. 323-357 in A. R. E. Sinclair and J. M. Fryxell (eds.), Serengeti 4: Sustaining biodiversity in a coupled human-natural system. University of Chicago Press, Chicago.

Reed, D.N. and Denys C. 2011. The Taphonomy and Paleoenvironmental Implications of the Laetoli Micromammals. In: Harrison, T. (ed.) Paleontology and Geology of Laetoli: Human Evolution in Context. Volume I: Geology, Geochronology, Paleoecology & Paleoenvironment. New York: Springer. pp. 265-278.

Reed D.N. 2011. Serengeti Micromammal Communities and the Paleoecology of Laetoli, Tanzania. In: Harrison, T. (ed.) Paleontology and Geology of Laetoli: Human Evolution in Context. Volume I: Geology, Geochronology, Paleoecology & Paleoenvironment. New York: Springer. pp. 253-263.

Wynn, J.G., Roman, D.C., Alemseged, Z., **Reed, D.N.**, Geraads, D., and Munro, S. 2009. Stratigraphy, depositional environments, and basin structure of the Hadar and Busidima Formations at Dikika, Ethiopia. In: Wynn, J.G. and Quade, J. (eds.) *The Geology of Early Humans in the Horn of Africa*. Boulder, CO: Geological Society of America (Special Papers). pp. 87-110.

Anderson, M.T., Dempewolf, J., Metzger, K.L., **Reed, D.N.**, Serneels, S. 2008. Generation and Maintenance of Heterogeneity in the Serengeti Ecosystem. In: Sinclair, A. (ed). Serengeti III. The Future of an Ecosystem. Chicago: University of Chicago Press. pp. 135-182

Reed, D.N. 2007. Serengeti micromammals and their implications for Olduvai Paleoenvironments. In: Bobe, R., Alemseged, Z. and Behrensmeyer, A.K. (eds.) Hominin environments in the East African Pliocene an assessment of the faunal evidence. New York: Kluwer Academic Press. pp. 217-255.

Other Publications

Reed, D. Book Review of Rereading the Fossil Record. By David Sepkoski. American Journal of Physical Anthropology. 155(2): 311-312.

Organized Professional Workshops and Symposia

Reed, D. Paleo Core code sprint, Los Angeles, CA 25-27 May 2017.

Reed, D. Biodiversity Through Deep Time: Data standards and best practices for paleobiology. Convenor for Interest Group Symposium, Biodiversity Information Standards (TDWG) Annual Meeting, Costa Rica. 6 Dec. 2016.

Reed, D. PaleoCore Data management Workshop for Paleoanthropology and Cultural Heritage Resource Management. Biodiversity Information Standards (TDWG) Annual Meeting, Nairobi. 21-23 September, 2015.

Reed, D., J Kappelman, S. McPherron. Paleo Core data standards workshop, 7-8 November 2013, Austin, TX.

Reed, D. and S. McPherron. Towards a Data Standard for Paleoanthropology. Invited Symposium for podium presentations for the Society for American Archaeology, Honolulu, HI, April 2013.

- Reed, D.** and Campisano, C. Data Management in the 21st Century: Integrating Bio-, and Geo-informatics in Physical Anthropology. Invited Symposium of podium presentations for the American Association of Physical Anthropology, Minneapolis, MN. April, 2011.
- Reed, D.** Serengeti-Masai Mara ecology workshop sponsored by the Evolution of Terrestrial Ecosystems research group at the National Museum of Natural History, Smithsonian Institute, Washington DC. May, 2003.

Refereed Abstracts and Presentations at Professional Meetings

- Reed D.** 2019 Origins: a paleoanthropology database. Poster presentation at the annual meetings of the Paleoanthropology Society. Albuquerque, NM.
- Alemseged Z, J Wynn, D Geraads, D Reed, WA Barr, R Bobe, S McPherron. 2019. New hominin remains from Mille-Logya, Afar, Ethiopia and their implications for the origin of Homo. Paper presented at the annual meetings of the Paleoanthropology Society, Albuquerque, NM.
- Reed D.** 2018. Big Questions and Bigger Data: Solutions to the problem of data integration for addressing major questions in human evolution. *American Journal of Physical Anthropology* 165(S66):222.
- Alemseged Z, WA Barr, R Bobé, D Geraads, S McPherron, **D Reed**, J Wynn. A New Late Pliocene Fauna from the Mille-Logya Project Area, Afar Regional State, Ethiopia. 2016. Podium presentation at the annual meetings of the Paleoanthropology Society. Atlanta GA.
- McPherron S, **Reed D**, Barr WA, Kappelman J, Urban T. PaleoCore: Building Data Structures and Technologies for Collecting and Sharing Paleoanthropological Data. Poster presentation at the 2015 annual meetings of the European Society for Human Evolution, London.
- Reed D**, Barr A, McPherron S, Urban T, Kappelman J. PaleoCore: A web based data management system for paleoanthropology. Poster presentation at the 2015 annual meetings of the Paleoanthropology Society, San Francisco.
- Kappelman, J., A. P. Witzel, R. Garza, F. McGrath, R. Miller, C. Pittman, D. Reed, S. Robertson, T. Tang, and J. Tenberge. 2015. eAnthro: Community engagement in developing online learning resources. *American Association of Physical Anthropologists*.
- Reed D**, Barr WA. Advances in Geospatial Data Collection for Paleoanthropology. Poster presented at the annual meetings of the Society for Vertebrate Paleontology. October 2014. Berlin.
- Castedo SJ, **DN Reed**, W Dirks, T Harrison. Serengeti micromammals: testing the predictive ability of owl pellet assemblages for reconstructing paleohabitats. 2013. *American Journal of Physical Anthropology*, 150: 96-97.
- Reed DN**, WA Barr, J Kappelman, S McPherron, T Urban. 2013. PaleoCore: Data Integration for Paleoanthropology. Poster presented at the annual meetings of the Paleoanthropology Society. April 2013. Honolulu Hawaii.
- Kappelman, J., Peter Keane, **Denne Reed**, Joseph Tenberge, Adrienne P. Witzel, W. Andrew Barr, Brett A. Nachman, Gabrielle A. Russo. 2013. eFossils.org: a collaborative website and community database for the study of human evolution. *Paleoanthropology Society* annual meeting, Hawaii.
- Reed DN**. 2013. PaleoCore: Towards a Data Standard for Paleoanthropology. Digital presentation for invited symposium at the Society for American Archaeology meetings. April 2013. Honolulu Hawaii.
- Kappelman,, J., Peter Keane, **Denne Reed**, Joseph Tenberge, Adrienne P. Witzel, W. Andrew Barr, Brett A. Nachman and Gabrielle A. Russo. 2012. eFossils.org: a collaborative website and community database for the study of human evolution. *American Journal of Physical Anthropology* 147 (S52): 177-178.
- Alemseged Z,
Reed, D.N., and Barr, WA. 2012. Taphonomy and temporal variability in micromammals from Pleistocene Levels at La Grotte des Contrebandiers (Smuggler's Cave) Morocco. The Emergence of Modern Humans: New Evidence from Contrebandiers Cave (Morocco). Presented at the Society or American Archaeology, Society for American Archaeology, Memphis, TN. Retrieved from <http://www.saa.org/AbouttheSociety/AnnualMeeting/Abstracts2012/tabid/1475/Default.aspx>.

- Reed, D.N.**, S. McPherron, W. A. Barr, Z. Alemseged, R. Bobe, D. Geraads, and J. Wynn. 2011. GPS data collection methods for Paleoanthropology: Examples from the Dikika Research Project geodatabase. Presented at the TDWG, October 2011, TDWG, New Orleans.
- Reed, D.N.**, McPherron, S., Barr, W. A., Alemseged, Z., Bobe, R. Geraads, D. Wynn, J. A new GPS data collection methodology and data schema for integrating multiple project databases: Examples from the Dikika Research Project geodatabase. Podium presentation for the American Association of Physical Anthropologists, Minneapolis, MN. April, 2011.
- Reed, D.N.** and Geraads, D. Micromammals and paleoenvironment of a Late Pliocene archeological locality, Hadar A.L. 894, Afar Region Ethiopia. Poster presentation for the Society of Vertebrate Paleontology, Pittsburg, PA. October, 2010.
- Barr, W.A. and **Reed, D.N.** Taphonomy and paleoecology of La Grotte des Contrebandiers (Témara, Atlantic Coast, Morocco): Evidence from the Pleistocene rodent fauna. Podium presentation for the Society for American Archeology, St. Louis, MO. April, 2010.
- Reed D.N.** A micromammal fauna from Pleistocene levels at Grotte des Contrebandiers (Smuggler's Cave), Morocco. Podium presentation for the First North African Conference on Vertebrate Paleontology, Marrakech, Morocco. May, 2009.
- Barr, W.A. and **Reed D.N.** Coping with taxonomic ambiguity and inter-observer variation in paleontological and paleoanthropological analyses. Podium presentation for the American Association of Physical Anthropologists, Chicago, IL. April, 2009.
- Reed, D.N.** and Denys, C. Taphonomy and paleoecology of micromammals from Laetoli, Tanzania. Poster presentation for the American Association of Physical Anthropologists, Chicago, IL. April, 2009.
- Reed D.N.** Dikika Geodatabase: A case study for the application of GIS and bioinformatics in paleoanthropology. Podium presentation for the Texas Association of Biological Anthropologists, College Station, TX. November, 2008.
- Reed D.N.** Micromammals and paleoenvironment of a Late Pliocene archeological locality, Hadar A.L. 894, Afar Region, Ethiopia. Poster presentation for the Paleoanthropology Society, Vancouver, Canada. April, 2008.
- Reed D.N.**, Alemseged Z., Bobe, R., Geraads, D., Wynn, J. Taphonomy and Local Paleocology of the Juvenile Hominin from DIK-1, Ethiopia. Podium presentation for the Paleoanthropology Society, Philadelphia, PA. April, 2007.
- Reed D.N.**, Kanga E., Behrensmeyer, A.K. Plio-Pleistocene paleoenvironments at Olduvai based on modern small mammals from Serengeti, Tanzania and Amboseli, Kenya. Poster presentation for the Society of Vertebrate Paleontology, Ottawa, Canada. October, 2006.
- Reed D.N.** Calibrating paleoenvironmental analysis using modern micromammal assemblages from Tanzania. Podium presentation for the Paleoanthropology Society, Milwaukee, WI. April, 2005.
- Reed D.N.**, M. Anderson, J. Dempewolf, K. Metzger, S. Serneels. Vegetation patterns of the Serengeti-Masai Mara ecosystem, Tanzania. Poster presentation for Ecological Society of America, Madison, WI. October, 2004.
- Reed, D.N.** Ecological trends in the distribution of microfauna recovered from owl pellets in northern Tanzania: using modern systems to calibrate paleoenvironmental analyses. Podium presentation for the American Association of Physical Anthropologists, Phoenix, AZ. April, 2002.
- Reed, D.N.** Taphonomy of owl accumulated micromammal assemblages in Serengeti National Park, Tarangire National Park and Ngorongoro Conservation Area, Northern Tanzania. Podium presentation delivered in the symposium titled "Paleolithic Zooarchaeology: Paleoenvironments, Methods, and Case Studies from Across the Globe." for the Society for American Archaeology, New Orleans, LA. April, 2001.
- Reed, D.N.** Contour mapping as a new method for interpreting diet from tooth morphology. Podium presentation for the American Association of Physical Anthropologists, St. Louis, MO. April, 1997.

Courses and Instructional Activities

University of Texas at Austin

ANT 301 Introduction to Biological Anthropology. This is a large, 250-person, introductory undergraduate lecture course with eleven lab sections.

TC 302 Science and Religion in America: the evolution/creation debate. A small discussion seminar for first year undergraduate students in the Plan II curriculum. Plan II is an elite program within the university focusing on classical liberal arts curricula. This course is co-taught with Prof. Steve Friesen in the Religious Studies department.

ANT 324L / RS 346 Creation and Evolution: Human Origins in Scientific and Religious Discourses. An upper division undergraduate course for 40 students co-taught with Prof. Steve Friesen in the religious studies department and cross listed there.

ANT 324L / GRG 356. GIS and Remote Sensing for Archeology and Paleontology. A small 25 person, undergraduate lab course, cross listed in anthropology and geography.

ANT 348 Early Hominid Evolution. This is an upper division undergraduate anthropology course for 40 students.

ANT 388 GIS and Remote Sensing for Anthropology. A 10 person, hands-on graduate anthropology lab course.

ANT 391 Early Hominid Evolution and Paleoecology. A 10 person graduate anthropology course.

ANT 391 Applied Data Analysis. This is a statistics and applied data analysis lab course using the R statistical programming language. It's a graduate level course taught to 25 students in anthropology, ecology and evolutionary biology, and geosciences.

ANT 398T Supervised Teaching. A graduate course on pedagogy.

Howard University Medical School

Medical Gross Anatomy. Instructor, guided students during cadaveric dissection and prepared examinations.

Sophie Davis School of Biomedical Education, City University of New York

Medical Gross Anatomy. Instructor, guided students during cadaveric dissection, and prepared examinations.

State University of New York Downstate Health Science Center

Medical Gross Anatomy. Instructor, performed cadaveric prosections and dissection overviews for students, prepared examinations.

Stony Brook University Health Sciences Center

HBA 531 Medical Gross Anatomy. Teaching Assistant, guided students through dissections, gave classroom lectures on evolutionary morphology and prepared examinations.

Graduate Students Supervised

Emily Raney, PhD student. Current.

Andrew Barr, PhD candidate, graduated May 2014. Dissertation Title: The Paleoenvironments of early hominins in the Hadar and Shungura Formations (Plio-Pleistocene, Ethiopia): Synthesizing multiple lines of evidence using bovid ecomorphology. Currently, post-doctoral fellow at the Center for Advanced Study of Human Paleobiology, the George Washington University, Washington DC.

Dissertation Committee Membership

John Duncan Hurt, PhD student in Anthropology. MA expected Fall 2020

Dominic Romanello, PhD candidate in Anthropology. PhD expected Spring 2021.

Ameley Martins, PhD candidate in Anthropology. PhD expected Fall 2020.

Christopher Davis, PhD candidate in Anthropology. PhD expected 2019. Dissertation Title: "Foraging Along Blue

Highways: Seasonality and Subsistence Strategies in the Middle Stone Age of Ethiopia".
Addison Kemp, PhD candidate in Anthropology. PhD completed 2019. Dissertation Title: "Adaptive significance of primate binocular vision for grasping and locomotion."
Lina Valencia, PhD Anthropology, PhD completed 2018. Dissertation Title: Effects of Habitat Fragmentation on Silvery-Brown Tamarin (*Saguinus leucopus*) Dispersal and Movement Patterns: Landscape Genetics, Habitat Connectivity and Conservation Implications.
Or Comay, PhD Zoology at Tel Aviv University. 2016. Diet and taphonomic signatures of owls (Strigiformes) as tools for paleoecological reconstruction: Qesem Cave as a test case. (external member)
Brett Nachman, MA Anthropology, MA completed 2014. Thesis Title: Early Eocene Omomyid Diversity in North America: Testing the Effects of Geographic Biases on Phylogenetic and Paleobiological Interpretations.
Katherine Bannar-Martin, PhD Anthropology, graduated 2014. Dissertation Title: Scale and Process: Primate and Non-Primate Mammal Community Composition and Diversity in Madagascar.
Angel Zeininger. PhD Anthropology, graduated 2013. Dissertation Title: Ontogeny of Bipedalism: Pedal Mechanics and Trabecular Bone Morphology.

Service in Professional Societies

Associate Editor for the Journal of Human Evolution (2017-2019)
Book Review Editor for the Journal of Human Evolution (2013-2017)
President of the Texas Association of Biological Anthropologists (2007-2008; 2015-2016)
Paleoanthropology Society, Technology Officer (2012-present)

Membership in Professional Societies

American Association of Physical Anthropology (1995-present)
Paleoanthropology Society (2005-present)
Society of Vertebrate Paleontology (2004-present)
Society for American Archeology (2000-present)
Texas Association of Biological Anthropologists (2006-present)

Grant Reviewer

National Science Foundation Senior Panel for Biological Anthropology 2013 - present
Leakey Foundation, 2005-present
National Science Foundation, 2005-present

Manuscript Reviewer

Quaternary International 2017-present
Nature Ecology and Evolution 2016-present
South African Journal of Science, 2010-present.
Palaeogeography, Palaeoclimatology, Palaeoecology, 2010-present.
Journal of Human Evolution, 2008-present.
Journal of Vertebrate Paleontology, 2007-present.
African Journal of Ecology, 2007-present.
Evolutionary Anthropology 2006-present.
Journal of Archeological Science, 2006-present.
Journal of Arid Environments, 2004-present.

Invited Lectures

Columbia University, New York, January 2021.

The Digital Archaeological Record (tDAR), Arizona State University, Tempe. 2019

Yale University, New Haven, CT. February 2018.

African Rift Valley Research Consortium conference, Chicago, January 2018.

iDiGBio Paleo Data and Digitization Working Group, Webinar, March 2017.

University of Southern California, Keck School of Medicine, Dept. of Anatomy, General Seminar Series, 2016.

African Rift Valley Research Consortium Workshop, New York University, October 2016.

School for Advanced Research, Santa Fe, March 2016.

African Rift Valley Research Consortium Workshop, Cleveland Museum of Natural History, September 2015.

EarthCube RCN Workshop DC

Mensa Society, Austin TX, General Lecture Series, August 2013.

California Academy of Science, San Francisco, General Seminar Series. September, 2011.

Department of Biological Science, Sam Houston State University, General Seminar Series, September, 2009.

Max-Planck Institute for Evolutionary Anthropology, Leipzig, Germany, Anthropology Seminar Series, September, 2008.

Musée National D'Histoire Naturelle, Paris, France. Biology Seminar Series, September, 2005.

University of Illinois, Champaign-Urbana. November, Anthropology Seminar Series, 2005.

University of Capetown, South Africa. December, Distinguished Lecture Series, 2005.

Dept. of Anthropology, National Museum of Natural History, Smithsonian Institution. Anthropology Seminar Series, February, 2003.

Paleontology Society of Washington, DC, Paleobiology Seminar Series. October, 2002.