

Curriculum Vitae of Juliet K. Brophy

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EDUCATION

- 2011 Doctoral Dissertation, Biological Anthropology. Texas A&M University, College Station.
Dissertation title: *Reconstructing the habitat mosaic associated with Australopithecus robustus: evidence from quantitative morphological analysis of bovid teeth*. Advisor: Darryl de Ruiter
- 2004 Master of Arts, Concentration in Anthropology. University of Tennessee, Knoxville.
Advisor: Andrew Kramer
- 2002 Bachelor of Science, Biological Anthropology and Bachelor of Arts, Latin Literature. University of Michigan, Ann Arbor.

RESEARCH INTERESTS

Craniodental morphometric analysis
Hominin evolution
Zooarchaeology and taphonomy

ACADEMIC POSITIONS

- 2021- **Associate Professor**, Louisiana State University, Baton Rouge, Louisiana
- 2015-2021 **Assistant Professor**, Louisiana State University, Baton Rouge, Louisiana
- 2011- 2015 **Lecturer**, Loyola University, Chicago, Illinois
- 2010-2015 **Research Associate**, Evolutionary Sciences Institute, University of the Witwatersrand
- 2005-2010 **Graduate Instructor**, Texas A&M University, College Station, Texas
- 2002-2004 **Graduate Instructor**, University of Tennessee, Knoxville, Tennessee

RESEARCH POSITIONS

- 2025- **Honorary Staff**, University of the Witwatersrand, Johannesburg, South Africa
- 2021-2023 **Honorary Senior Research Fellow**, Centre for the Exploration of the Deep Human Journey, University of the Witwatersrand, Johannesburg, South Africa
- 2015-2021 **Honorary Research Affiliate**, Evolutionary Sciences Institute, University of the Witwatersrand, Johannesburg, South Africa
- 2012-2015 **Malapa Research Project**, Director of Bovid Studies, Evolutionary Sciences Institute, University of the Witwatersrand, Johannesburg, South Africa
- 2010-2012 **Malapa Research Project**, Research Assistant, Evolutionary Sciences Institute, University of the Witwatersrand, Johannesburg, South Africa
- 2010-2014 **Research Affiliate**, Field Museum, Chicago, Illinois.
- 2008-2012 **Field Supervisor**, Mimosa Pleistocene fossil locality, Free State, South Africa
- 2007-2013 **Field Supervisor**, Matjhabeng Pliocene fossil locality, Free State, South Africa
- 2006 **Graduate Research Assistant**, Assisted a faunal specialist in South Africa
- 2003-2004 **Graduate Research Assistant**, University of Tennessee, Knoxville, Tennessee

- 2003-2004 **Paleoanthropology Field School Graduate Teaching Assistant**, Plovers Lake Cave, South Africa. Duke University/ University of Witwatersrand Field School
- 2000 **Archeological Field School Teaching Assistant**, Belize, Central America. College of Lake County Field School

PEER REVIEWED PUBLICATIONS

Accepted and Published

Berger, L.R., Tebogo Makhubela, Keneiloe Molopyane, Ashley Kruger, Patrick Randolph-Quinney, Marina Elliott, Becca Peixotto, Agustín Fuentes, Paul Tafforeau, Vincent Beyrand, Kathleen Dollman, Zubair Jinnah, Angharad Brewer Gillham, Kenneth Broad, **Brophy, J.K.**, Gideon Chinamatira, Paul H. M. Dirks, Elen Feuerriegel, Alia Gurtov, Nompumelelo Hlophe, Lindsay Hunter, Rick Hunter, Kudakwashe Jakata, Corey Jaskolski, Hannah Morris, Ellie Pryor, Maropeng Ramaphela, Eric Roberts, Jacqueline S. Smilg, Mathabela Tsikoane, Steven Tucker, Dirk van Rooyen, Kerryn Warren, Colin D. Wren, John Hawks. 2025. Evidence for deliberate mortuary practices, including burial of the dead, by *Homo naledi*. *eLife*. *Accepted*.

Brophy, J.K., Matthews, G.J., Schnitzler, N., Bharath, K., Kurtek, S., Harel, O. 2024. Classification of Bovidae fossils from Gladysvale, South Africa using elastic shape. *Journal of Archaeological Science*, 166, p.105959.

Brophy, J.K., Bolter, D., Elliott, M.E., Hawks, J., Berger, L.R. 2024. An examination of *Homo naledi* early juveniles recovered from the Rising Star Cave System, South Africa. *Annals of Human Biology*. 51(1), p. 2321128

Domínguez-Rodrigo, M., **Brophy, J.K.**, Matthews, G.J., Pizarro-Monzo, M., Baquedano, E. 2023. African bovid tribe classification using transfer learning and computer vision. *Annals of the New York Academy of Sciences*. DOI: 10.1111/nyas.15067

Furtner, M.J., **Brophy, J.K.** 2023. Comparison of close-range photogrammetry to microCT scanning via surface deviation analysis of 3D digital models of hominin molars. *Journal of Archaeological Science: Reports*. 103762 <https://doi.org/10.1016/j.jasrep.2022.103762>

Deleze, L.K., Skinner, M.W., Bailey, S., **Brophy, J.K.**, Elliott, M.E., Gurtov, A., Irish, J.D., Moggi-Cecchi, J., de Ruiter, D.J., Hawks, J., Berger, L.R. 2023. Descriptive catalog of *Homo naledi* dental remains from the 2013 to 2015 excavations of the Dinaledi Chamber, site U.W. 101, within the Rising Star cave system, South Africa. *Journal of Human Evolution*. 180: 103372. DOI: <https://doi.org/10.1016/j.jhevol.2023.103372>

Brophy, J.K. and Matthews, G.J. 2022. Reference database of teeth images from the Family Bovidae. *Scientific Data*, 9(1):396. DOI: 10.1038/s41597-022-01501-4.

Matthews, G. J., Bharath, K., Kurtek, S., **Brophy, J.K.**, Thiruvathukal, G. K., Harel, O. 2021. Shape-based classification of partially observed curves with applications to anthropology. *Frontiers in Applied Mathematics and Statistics*. DOI: <https://doi.org/10.3389/fams.2021.759622>

Brophy, J.K., Elliott, M., de Ruiter, D.J., Bolter, D., Churchill, S.E., Walker, C.S., Hawks, J., Berger, L.R. 2021. Immature craniodental hominin remains from a new passage in Rising Star Cave System, South Africa. *PaleoAnthropology*. DOI: <https://doi.org/10.48738/2021.iss1.64>

- Elliott, M. C., **Brophy, J.K.**, Makhubela, T., Churchill, S. E., Peixotto B., Feuerriegel, E. M., Morris, H., Van Rooyen, D., Ramalepa, M., Tsikoane, M., Kruger, A., Spandler, C., Kramers, J., Roberts, E., Dirks, P. H., Hawks, J., Berger, L. R. 2021. New investigations in the Dinaledi Subsystem, Rising Star Cave: explorations and excavations. *PaleoAnthropology*. DOI: <https://doi.org/10.48738/2021.iss1.68>
- Brophy, J.K.**, Moggi-Cecchi, J., Matthews, G.J., Bailey, S.E. 2020. Comparative morphometric analyses of the deciduous teeth of *Homo naledi*. *American Journal of Physical Anthropology*. DOI: <https://doi.org/10.1002/ajpa.24190>
- L'Engle Williams, F., **Brophy, J. K.**, Matthews, G. J. 2020. Elliptical fourier analysis of crown shape in permanent mandibular molars from late Neolithic cave burials of Belgium. *Anthropologie (Brno)*. DOI: <https://doi.org/10.26720/anthro.20.07.14.1>
- Brophy, J.K.**, Matthews, G.J., Thiruvathukal, G.K. 2019. An analysis on the effect of wear on bovid tooth identification. *South African Journal of Science*. 115 (7/8), 1-5. DOI: <https://doi.org/10.17159/sajs.2019/5496>
- Bailey, S. E., **Brophy, J.K.**, Moggi-Cecchi, J., Delezene, L. 2019. The deciduous dentition of *Homo naledi*: A comparative study. *Journal of Human Evolution*. 136, 102655. DOI: <https://doi.org/10.1016/j.jhevol.2019.102655>
- Brophy, J.K.**, Irish, J.D., Churchill, S.E., de Ruiter, D.J., Berger, L.R. 2019. A comparison of hominin teeth from Lincoln Cave, Sterkfontein L/63, and the Dinaledi Chamber, South Africa. *South African Journal of Science*. 115, 1-3.
- L'Engle Williams, F., **Brophy, J. K.**, Matthews, G. J., Hart, E., Marie-Antoinette, M.-A., Becam, G. 2019. Neandertal mandibular molars from Hortus Cave, France: a comparison of crown shapes using elliptical fourier analysis. *Anthropologie (Brno)* 57, 2: 115-126. DOI: <https://doi.org/10.26720/anthro.19.03.05.1>
- de Ruiter, D.J., Laird, M.F., Elliott, M., Schmid, P., **Brophy, J.K.**, Hawks, J., Berger, L.R. *Homo naledi* cranial remains from the Lesedi Chamber of the Rising Star Cave System, South Africa. 2019. *Journal of Human Evolution*. 132, 1-14.
- de Ruiter, D.J., Carlson, K.B., **Brophy, J.K.**, Churchill, S.E., Carlson, K.J., Berger, L.R. 2018. The skull of *Australopithecus sediba*. *PaleoAnthropology*. Special Issue: 56–155. doi:10.4207/PA.2018.ART112
- Lazagabaster, I.A., **Brophy, J.K.**, Sanisidro, O., Pineda-Munoz, S., Berger, L.R. 2018. A new cranium of *Metridiochoerus* (Suidae, Artiodactyla) from Malapa, South Africa. *Journal of African Earth Sciences*. 145, 49-52.
- Matthews, G.J., **Brophy, J.K.**, Luetkemeier, M.P., Gu, H., Thiruvathukal, G.K. 2018. Classification of Bovid Teeth: a comparison of machine learning techniques for taxonomic classification of teeth from the Family Bovidae. *Journal of Applied Statistics*. 45(15), 2773-2787. <https://doi.org/10.1080/02664763.2018.1441381>
- Matthews, G.J., Thiruvathukal, G.K., Luetkemeier, M.P., **Brophy, J.K.** 2017. Examining the use of Amazon's Mechanical Turk for edge extraction of the occlusal surface of fossilized bovid teeth. *Plos One* 12(7): e0179757.

Hawks, J., Elliott, M., Schmid, P., Churchill, S.E., de Ruiter, D.J., Garvin, H.M., Williams, S.A., Delezenne, L.K., Feuerriegel, E.M., Kivell, T.L., Laird, M.F., Tawane, G., DeSilva, J.M., Bailey, S.E., **Brophy, J.K.**, Meyer, M.R., Skinner, M.M., Tocheri, M.W., VanSickle, C., Walker, C.S., Berger, L.R. 2017. New fossil remains of *Homo naledi* from the Lesedi Chamber, South Africa. *eLife*, 24232.

Dembo, M., Radovicic, D., Garvin, H.M., Laird, M.F., Schroeder, L., Scott, J.E., **Brophy, J.K.**, Ackermann, R.R., Musiba, C.M., de Ruiter, D.J., Moores, A.Ø., Collard, M., 2016. The evolutionary relationships and age of *Homo naledi*: an assessment using dated Bayesian phylogenetic methods. *Journal of Human Evolution* 97, 17–26.

Brophy, J.K., de Ruiter, D.J., Fortelius, M., Bamford, M., Berger, L.R. 2016. Pleistocene Bovidae (Mammalia) from Malapa, Gauteng Province, South Africa. *Palaeontologia Electronica* 19(2): 1–22.

Berger, L.R., Hawks, J., de Ruiter, D.J., Churchill, S.E., Schmid, P., Delezenne, L.K., Kivell, T.L., Garvin, H.M., Williams, S.A., DeSilva, J.M., Skinner, M.M., Holliday, T., Harcourt-Smith, W.E.H., Ackermann, R.R., Bastir, M., Bogin, B., Bolter, D., **Brophy, J.**, Cofran, Z.D., Congdon, K.A., Deane, A.S., Dembo, M., Drapeau, M., Elliot, M.C., Feuerriegel, E.M., Garcia-Martinez, D., Green, D.J., Gurtov, A., Irish, J.D., Kruger, A., Laird, M.F., Marchi, D., Meyer, M.R., Nalla, S., Negash, E.W., Orr, C.M., Radovicic, D., Schroeder, L., Scott, J.E., Throckmorton, A., Tocheri, M.W., VanSickle, C., Walker, C.S., Wei, P., Zipfel, B. 2015. *Homo naledi*, a new species of the genus *Homo* from the Dinaledi Chamber, South Africa. *eLife* 4, e09560.

Brophy, J.K., de Ruiter, D.J., Athreya, S., DeWitt, T.J. 2014. Quantitative morphological analysis of bovid teeth and its implications for paleoenvironmental reconstructions in South Africa. *Journal of Archaeological Science* 41:376–388.

de Ruiter, D.J., DeWitt, T.J., Carlson, K.B., **Brophy, J.K.**, Schroeder, L., Ackermann, R.R., Churchill, S.E., Berger, L.R. 2013. Mandibular remains support taxonomic validity of *Australopithecus sediba*. *Science* 340:6129.

Brophy, J.K., Crisman, K. 2013. A taphonomic analysis of three pork barrels from the steamboat *Heroine*. *Historical Archaeology* 47(4): 71–85.

de Ruiter, D.J., Churchill, S.E., **Brophy, J.K.**, Berger, L.R. 2011. Regional Survey of Middle Stone Age Fossil Vertebrate Deposits in the Virginia-Theunissen area of the Free State, South Africa. *Navorsinge van die Nasionale Museum Bloemfontein* 27: 1–20.

de Ruiter, D.J., **Brophy, J.K.**, Lewis, P.J., Kennedy, A.M., Stidham, T.A., Carlson, K.B., Hancox, P.J. 2010. Preliminary investigation of Matjhabeng, a Pliocene fossil locality in the Free State of South Africa. *Palaeontologia Africana* 45:11–22.

de Ruiter, D.J., **Brophy, J.K.**, Lewis, P.J., Churchill, S.E., Berger, L.R. 2008. Faunal assemblage composition and paleoenvironment of Plovers Lake, a Middle Stone Age locality in Gauteng Province, South Africa. *Journal of Human Evolution* 55:1102–1117.

Brophy, J.K., de Ruiter, D.J., Lewis, P.J., Churchill, S.E., Berger, L.R. 2006. Preliminary Investigation of the New Middle Stone Age Site of Plovers Lake, South Africa. *Current Research in the Pleistocene* 23:41–43.

In Review and In Prep

Furtner, M.J., **Brophy, J.K.**, Anemone, R., Wang, L. 2025. Evaluating Random Forest model performance for cave and sinkhole site prediction in the Cradle of Humankind, South Africa: Preliminary analysis and variable importance assessments. *Journal of Archaeological Method and Theory*. In review

Brophy, J.K., de Ruiter, D.J., Ghorbani, Nastaran, Matthews, G.J. 2025 Morphometric analyses of *Tragelaphus pricei* and *Tragelaphus scriptus* teeth from South Africa. *Journal of Vertebrate Paleontology*. In prep.

Bolter, D., **Brophy, J.K.**, Elliott, M.E., Hawks, J. 2025. Late juvenile and sub-adult *Homo naledi* individuals from the Rising Star Cave System, South Africa. *Annals of Human Biology*. In prep

Brophy, J.K., Elliot, M., Delezene, L.K., Berger, L.R. 2020. Dental remains from Dinaledi Chamber of the Rising Star Cave System (2013-2014 excavations): Excavation, catalogue, spatial associations, and morphological identifications. *In prep.*

Published Abstracts and Papers Presented

Brophy, J.K., Bolter, D., Elliott, M., Hawks, J. 2024. A collective investigation of the non-adult specimens from the Rising Star Cave System, South Africa. Poster Demonstration, European Society for the Study of Human Evolution, Zagreb, Croatia, 11-15 September 2024.

Brophy, J.K., Bolter, D., Hawks, J., Berger, L.R. 2024. An assessment of the craniodental and postcranial material from juvenile *Homo naledi* recovered in the Rising Star Cave System. Paper presentation at the 93rd annual meeting of the American Association of Biological Anthropologists, Los Angeles, CA. 20-23 March 2024.

Furtner, M.J., Anemone, R.L., Wang, L., Caruana, M.V., Lombard, M., **Brophy, J.K.** Remote fossil prospecting in the Cradle of Humankind: Assessing variable importance for cave site prediction using Random Forest models. Paper presentation at the 93rd annual meeting of the American Association of Biological Anthropologists, Los Angeles, CA. 20-23 March 2024.

Brophy, J.K., Matthews, G.J., Bharath, K., Kurtek., S, Harel, O. 2023. Classification of partially observed curves with applications to the fossils and paleoenvironment of the hominin bearing site of Gladysvale, South Africa. Poster Demonstration, European Society for the Study of Human Evolution, Aarhus, Denmark, 20-24 September 2023.

Brophy, J.K., Matthews, G.J. 2023. Identifying ambiguous bovids from Gladysvale using a new reference database and their implications for paleoenvironmental reconstruction. Poster presented at the 92nd annual meeting of the American Association of Biological Anthropologists, Reno, NV. 19-22 April 2023.

Brophy, J.K., Matthews, G.J. 2022. Reference database of teeth from the Family Bovidae: a supplemental method for identifying the bovids used in reconstructing past hominin environments. Poster Demonstration, European Society for the Study of Human Evolution, Tübingen, German 22-25 September 2022.
<https://paleoanthropology.org/ojs/index.php/paleo/article/view/809/777>

Furtner, M., **Brophy, J.K.** 2022. Comparing close-range photogrammetry to micro-CT scanning using hominin molars: regional and sensitivity analyses. Poster presented at the 91st annual meeting of the American Association of Biological Anthropologists, Denver, CO. 23-26 March 2022.

Brophy, J.K., Bolter, D.R., Hawks, J. and Berger, L.R. 2022 April. An analysis of the five young *Homo naledi* juveniles recovered from the Rising Star Cave System, South Africa. Poster presented at the 91st annual meeting of the American Association of Biological Anthropologists, Denver, CO. 23-26 March 2022.

Furtner, M., **Brophy, J.K.** 2021. Assessing the similarities between photogrammetric and microCT scanning of 3D models of hominin molars. Poster presented at the 90th annual meeting of the American Association of Physical Anthropologists, virtual conference. 7-28 April 2021.

Brophy, J. K., Elliott, M., Makhubela, T., de Ruiter, D.J. 2019. Hominin dental material from a new locality in the Rising Star Cave System. Poster Demonstration, European Society for the Study of Human Evolution, Liege, Belgium, 18-22 September 2019.
https://www.eshe.eu/static/eshe/files/PESHE/PESHE_2019_OnlinePESHE.pdf

Brophy, J.K., de Ruiter, D.J., Berger, L.R. 2019. Crown shape analysis of the maxillary dentition of *Homo naledi*. Poster presented at the 88th annual meeting of the American Association of Physical Anthropologists, Cleveland, OH, March 27-30, 2019. Abstract in American Journal of Physical Anthropology Supplement. 168:29-30.

Brophy, J.K., de Ruiter, D.J., Bailey, S.E., van der Merwe, R., Matthews, G.J., Berger, L.R. 2018. New craniodental remains of the type specimen of *Australopithecus sediba* and a morphological assessment of the mandibular third premolars. Poster Demonstration, European Society for the Study of Human Evolution, Faro, Portugal, 13-15 September 2018.
https://www.eshe.eu/static/eshe/files/PESHE/PESHE_Online_2018.pdf

de Ruiter, D.J., **Brophy, J.K.** Van der Merwe, R., Smilg, J.S., Churchill, S.E. and Berger, L.R. 2018. New craniodental remains of the type specimen of *Australopithecus sediba*. Poster presented at the 87th annual meeting of the American Association of Physical Anthropologists, Austin, TX, April 11-14, 2018. Abstract in American Journal of Physical Anthropology Supplement. 165:65-66.

Brophy, J.K. and de Ruiter, D.J. 2018. Investigating molar crown shape variation of australopithecines at Sterkfontein and Makapansgat, South Africa. Poster presented at the 87th annual meeting of the American Association of Physical Anthropologists, Austin, TX, April 11-14, 2018. Abstract in American Journal of Physical Anthropology Supplement. 165:36-37.

Brophy, J. K., Bailey, S. E., Moggi-Cecchi, J., Delezenne, L. K. 2017 Crown shape and relative cusp analyses of *Homo naledi* deciduous molar teeth from Dinaledi Chamber, Rising Star cave system, South Africa. Poster Demonstration, European Society for the Study of Human Evolution, Leiden, Netherlands, 20-24 September 2017.
https://www.eshe.eu/static/eshe/files/PESHE/PESHE_2017_FINAL.pdf

Brophy, J.K., Bailey, S.E., Moggi-Cecchi, J., Delezenne, L.K., Skinner, M., de Ruiter, D.J. 2017. A morphometric analysis of *Homo naledi* teeth from Dinaledi Chamber, Rising Star cave system,

South Africa. Paper presented at the 86th annual meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017. Abstract in American Journal of Physical Anthropology Supplement. 162:130.

Delezenne, L.K., Irish, J.D., Skinner, M.W., **Brophy, J.K.**, Hawks, J., Berger, L.R. 2017. Metric variation in *Homo naledi* molars. Paper presented at the 86th annual meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017. Abstract in American Journal of Physical Anthropology Supplement. 162:160.

L'Engle Williams, F., **Brophy, J.K.** 2017. Comparison of Neandertal mandibular first molar occlusal outlines using Elliptical Fourier Function Analysis. Poster presented at the 86th annual meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19-22, 2017. Abstract in American Journal of Physical Anthropology Supplement. 162:260.

Brophy, J.K., Delezenne, L.K., Gurtov, A.N., Hawks, J., Irish, J.D., Berger, L.R., de Ruiter, D.J. 2016. A morphometric examination of *Homo naledi* teeth from Dinaledi Chamber, Rising Star cave system, South Africa. Paper presented at the 85th annual meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-16, 2016. Abstract in American Journal of Physical Anthropology Supplement 159: 58.

Delezenne, L.K. , **Brophy, J.K.**, Skinner, M.M., Gurtov, A.N., Hawks, J., Irish, J.D., Berger, L.R., de Ruiter, D.J. Metric and nonmetric features of the *Homo naledi* dentition. 2016. Paper presented at the 85th annual meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 13-16, 2016. Abstract in American Journal of Physical Anthropology Supplement. 159: 46.

de Ruiter, D. J., L. R. Berger , J. Hawks, S. E. Churchill, P. Schmid, L. K Delezenne, T. L. Kivell, H. M. Garvin, S. A. Williams, J. M. DeSilva, M. M. Skinner, C. M. Musiba, N. Cameron, T. W. Holliday, W. Harcourt-Smith, R. R. Ackermann, M. Bastir, B. Bogin, D. Bolter, **J.K. Brophy**, Z. D. Cofran, K. A. Congdon, A. S. Deane, M. Dembo, M. Drapeau, M. C. Elliot, E. M. Feuerriegel, D. Garcia-Martinez, D. J. Green, A. Gurtov, J. D. Irish, A. Kruger, M. F. Laird, D. Marchi, M. R. Meyer, S. Nalla, E. W. Negash, C. M. Orr, D. Radovicic, L. Schroeder, J. E. Scott, Z. Throckmorton, M. W. Tocheri, C. VanSickle, C. S. Walker, P. Wei and B. Zipfel. *Homo naledi*: A new species of hominin from the Dinaledi Chamber, South Africa. Paleoanthropology Society Meetings, Atlanta, GA, April 12-13 2016.

Brophy, J.K., de Ruiter, D.J., Berger, L.R., Schmid, P., Churchill, S.E. 2015. Morphometric analyses of maxillary and mandibular first molars of Pleistocene hominins. Paper presented at the 84th annual meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-29, 2015. Abstract in American Journal of Physical Anthropology Supplement. 156:94.

de Ruiter, D.J., Carlson, K.B., Carlson, K.J., McNulty, K.P., **Brophy, J.K.**, Berger, L.R. 2014. Further insights into the skull of *Australopithecus sediba*. Poster presented at the 83rd annual meeting of the American Association of Physical Anthropologists, Calgary, Canada, 8-12 April 2014. Abstract in American Journal of Physical Anthropology Supplement. 153:103.

Brophy, J.K., de Ruiter, D.J. 2014. Identifying trends in the environmental heterogeneity at *Australopithecus robustus* sites. Podium presented at the 83rd annual meeting of the American Association of Physical Anthropologists, Calgary, Canada, 8-12 April 2014. Abstract in American Journal of Physical Anthropology Supplement 153:85.

Brophy, J.K., Randolph-Quinney, P., Berger, L.R. 2014. A taphonomic assessment of the bovids from Malapa, South Africa, and its implications for the accumulation of *Australopithecus sediba* fossils. Poster presented at the Annual Meeting of the Paleoanthropology Society, Calgary, Canada, 7-8 April 2014. Abstract on *Paleoanthropology Society* website: http://paleoanthro.reedd.webfactional.com/static/Paleoabstracts_2014_mtg_version.pdf

Randolph-Quinney, P., Pokines, J., Symes, S.A., L'Abbé, E.N., Backwell, L., **Brophy, J.K.**, Parkinson, A., Val, A., Berger, L.R. 2014. The Prodigal Child returns: the application of forensic taphonomic analyses to palaeoanthropological assemblages – case examples from the Malapa hominin deposit. Poster presentation accepted for the 66th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, 17-22 February 2014.

Brophy, J.K., de Ruiter, D.J., Berger, L.R. 2013. Analysis of bovid remains from Malapa, South Africa and implications for the paleoenvironment of *Australopithecus sediba*. Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, 9-13 April 2013. Abstract in *American Journal of Physical Anthropology* Supplement. 150:89.

Brophy, J.K. 2012. A reconstruction of the habitat mosaic associated with *Australopithecus robustus*. Poster presented at the Annual Meeting of the Paleoanthropology Society, Memphis, TN, 17-18 April 2012. Abstract on *Paleoanthropology Society* website: http://www.paleoanthro.org/static/pdfs/Abstracts_2012.pdf

Brophy, J.K. 2012. Reconstructing the habitat mosaic associated with *Australopithecus robustus*. Paper presented at the 81st annual of the American Association of Physical Anthropologists, Portland, OR, 11-14 April 2012. Abstract in *American Journal of Physical Anthropology* Supplement 147.

Brophy, J.K., de Ruiter, D.J., Churchill, S.E., Schmid, P., Berger, L.R. 2011. An examination of hominin tooth morphology using EFFT. Poster presented at Paleoanthropology Society meeting, Minneapolis, MN, 12-13 April 2011. Abstract on *Paleoanthropology Society* website: http://www.paleoanthro.org/static/pdfs/psoc_2011_fullabstracts.pdf

de Ruiter, D.J., Carlson, K.B., **Brophy, J.K.**, Carlson, K.J., Churchill, S.E., Schmid, P., Kibii, J.M., Berger, L.R. 2011. Craniodental remains for *Australopithecus sediba* from Malapa, South Africa. Paper presented at the 80th annual meeting of the American Association of Physical Anthropologists, Minneapolis, MN, 13-16 April 2011. Abstract in *American Journal of Physical Anthropology* Supplement 144.

Brophy, J.K. 2011. The use of CT scans for quantifying bovid tooth morphology and its implications for reconstructing past hominin environments. Poster presented at the 80th annual meeting of the American Association of Physical Anthropologists, Minneapolis, MN, 13-16 April 2011. Abstract in *American Journal of Physical Anthropology* Supplement 144.

Brophy, J.K. 2011. An examination of three pork barrels from the steamboat *Heroine*. Paper presented at the Society for Historical Archaeology Conference, Austin, TX, 5-9 January 2011.

Brophy, J.K. 2010. The use of CT scans for quantifying bovid tooth morphology and its implications for reconstructing past hominin environments. Poster presented at the 4th annual Texas Association of Biological Anthropologists, Waco, TX, November 2010.

Brophy, J.K. 2010. The quantification of bovid tooth morphology and its implication for reconstructing past hominin environments. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, 14-17 April 2010. Abstract in *American Journal of Physical Anthropology* Supplement 141.

Brophy, J.K. 2009. The quantification of bovid tooth morphology and its implication for reconstructing past hominin environments. Poster presented at the 3rd annual meeting of the Texas Association of Biological Anthropologists, Austin, TX, 13-14 November 2009.

Brophy, J.K., de Ruiter, D.J., Brink, J. 2009. Mimosa: a new Middle Stone Age fossil locality in the Free State of South Africa. Poster presented at the 78th annual meeting of the American Association of Physical Anthropologists, Chicago, IL, 1-4 April 2009. Abstract in *American Journal of Physical Anthropology* Supplement 139.

de Ruiter, D.J., **Brophy, J.K.**, Lewis, P.J., Kennedy, A.M., Stidham, T.A., Carlson, K.B., Hancox, P.J. 2009. Preliminary investigation of Matjhabeng, a Pliocene fossil locality in the Free State of South Africa. Poster presented at the Annual Meeting of the Paleoanthropology Society, Chicago, IL, 31 March- 1 April 2009. Abstract on *Paleoanthropology Society* website: <http://www.paleoanthro.org/static/pdfs/psoc09program1.pdf>

Lewis, P.J., Kennedy, A.M., de Ruiter, D.J., **Brophy, J.K.** 2009. Preliminary analysis of the small mammal fauna from Matjhabeng, Free State, South Africa. Poster presented at the Annual Meeting of the Paleoanthropology Society, Chicago, IL, 31 March- 1 April 2009. Abstract on *Paleoanthropology Society* website: <http://www.paleoanthro.org/static/pdfs/psoc09program1.pdf>

Brophy, J.K., de Ruiter, D.J., Brink, J.S. 2008. Mimosa: a new Middle Stone Age fossil locality in the Free State of South Africa. Paper presented at the 2nd annual meeting of the Texas Association of Biological Anthropologists, College Station, TX, 14-15 November 2008.

Stidham, T.A., **Brophy, J.K.** 2007. Relative dating of South African Middle Stone Age Sites (MSA) using variation in ostrich eggshell morphology. Poster presented at the 76th annual meeting of the American Association of Physical Anthropologists, Philadelphia, PA, 28-31 March 2007. Abstract in *American Journal of Physical Anthropology* Supplement 132.

Brophy, J.K., de Ruiter, D.J., Churchill, S.E., Berger, L.R. 2006. Accumulating agent and paleoenvironment of the hominin-bearing site of Plovers Lake, South Africa. Paper presented at the 75th annual meeting of the American Association of Physical Anthropologists, Anchorage, AK, 7-12 March 2006. Abstract in *American Journal of Physical Anthropology* Supplement 129.

Brophy, J.K. 2005. Signature bone fragmentation: An actualistic study identifying bone fragments exhibiting no distinguishing marks resulting from percussion. Poster presented at the 74th annual meeting of the American Association of Physical Anthropologists, Milwaukee, WI, 6-9 April 2005. Abstract in *American Journal of Physical Anthropology* Supplement 126:79.

Brophy, J.K. 2005. Signature bone fragmentation: An actualistic study identifying bone fragments exhibiting no distinguishing marks resulting from percussion. Poster presented at Student Research Week, College Station, TX.

AWARDS AND GRANTS RECEIVED

Research Grants

2025 **SEC Travel Grant**, Louisiana State University and Texas A&M University collaboration

- 2024 **National Science Foundation**, Senior Research Grant application submitted 30 July 2024. Unfunded
- 2024 **National Science Foundation Doctoral Dissertation Research Improvement Grant**, Fossil Site Prediction in the Cradle of Humankind: A Machine Learning Approach. Awarded for Margaret Furtner. Funded #2341328.
- 2020-2023 **National Science Foundation**, Co-PI, Collaborative Proposal: Shape-based Imputation and Estimation of Fragmented, Noisy Curves -- with Application to the Reconstruction of Fossil Bovid Teeth, \$28512.00 proposed, Funded. #2015236
- 2018-2019 **National Science Foundation**, Co-PI, Statistical analysis of partially observed shapes in two dimensions, \$24971.00 proposed, Funded. #1812065
- 2018 **LSU Manship Research Grant**, \$5000.
- 2017 **LSU Council of Research Summer Stipend Grant**, \$5000.
- 2016 **LSU Summer Research Grant**, \$5000.
- 2016 **Wenner Gren Dental Workshop Grant**, South Africa, \$3,000.
- 2015 **Student Excellence Fee**, \$21,120, College of Humanities and Social Sciences Instructional Impact Committee
- 2015 **LSU Grant, Invited talk**, *4th International Symposium on Biological Shape Analysis*, Los Angeles, CA, June 2015. \$1000.
- 2015 **National Science Foundation**, Co-PI, Cyber enabled, machine learning classification of fossil bovid teeth: Reconstructing paleoenvironments in Plio-Pleistocene South Africa, Not Funded
- 2014 **Rising Star Research Grant**, \$500, \$300 from College of Arts and Sciences, \$200 from Loyola University Chicago Anthropology
- 2013 **Anthropology Research Grant**, \$250 from Loyola University Chicago Anthropology for research in South Africa in August 2013
- 2012 **Anthropology Research Grant**, \$300 from Loyola University Chicago Anthropology for research in South Africa in June-July 2012
- 2011 **College of Liberal Arts Dissertation Research Award**, \$5,000 from Texas A&M University to support research for dissertation, awarded February 2011.
- 2009 **Dean of Liberal Arts Research Grant**, \$1000.00, with matching \$1000.00 grant from the Department of Anthropology, Texas A&M University. Funds were used to gather data in South Africa, May-Aug 2009.

Conference Grants

- 2024 **LSU Faculty Travel Awards - Provost's Fund for Innovation in Research**, \$1000.
- 2023 **LSU HSS International Travel Support**, \$800.

- 2022 **LSU Office of Research and Economic Development Travel Grant**, \$1200.
- 2022 **LSU HSS International Travel Support**, \$800.
- 2020 **LSU Student Tech Fee**, “Enriching Biological Anthropology Courses with a Virtual Reality Program”, \$7700.
- 2019 **LSU Office of Research and Economic Development Faculty & Junior Faculty Travel Grant**, \$650.
- 2018 **LSU Office of Research and Economic Development Faculty & Junior Faculty Travel Grant**, \$650.
- 2018 **LSU HSS International Travel Support**, LSU HSS, \$800 awarded.
- 2017 **LSU Office of Research and Economic Development Faculty & Junior Faculty Travel Grant**, \$1000.
- 2017 **LSU College of Humanities and Social Sciences Travel Grant**, \$800.
- 2016 **Anthropology Travel Grant**, LSU for travel to American Association of Physical Anthropology Conference in Atlanta, Georgia, 13-16 April 2016, ~\$600.
- 2015 **Anthropology Professional Travel Grant**, \$400 from Loyola University Chicago for travel to American Association of Physical Anthropology Conference in St. Louis, Missouri, 25-29 March 2015.
- 2014 **Anthropology Professional Travel Grant**, \$400 from Loyola University Chicago for travel to American Association of Physical Anthropology Conference in Calgary, Canada, 8-12 April 2014.
- 2013 **Anthropology Professional Travel Grant**, \$400 from Loyola University Chicago for travel to American Association of Physical Anthropology Conference in Knoxville, Tennessee, 10-14 April 2013.
- 2012 **Anthropology Professional Travel Grant**, \$700 from Loyola University Chicago for travel to Paleoanthropology Society Meetings and American Association of Physical Anthropology Conference in April 2012.
- 2011 **Paleoanthropology Society Travel Grant Award**, \$350.00 for travel to the 2011 Paleoanthropology Society meeting in Minneapolis, Minnesota, 12-13 April 2011.
- 2011 **Anthropology Department Travel Grant**, \$250.00 from Texas A&M for travel to American Association of Physical Anthropology Conference in Minneapolis, Minnesota, 13-17 April 2011.
- 2010 **Nautical Archaeology Travel Grant, Invited Symposium**, \$350.00 from Texas A&M for travel and accommodations at the Society of Historical Archaeology Conference, Austin, Texas, 5-9 January 2011.
- 2010 **Anthropology Department Travel Grant**, \$375.00 from Texas A&M for travel to American Association of Physical Anthropology Conference in Albuquerque, New Mexico, 14-17 April 2010.

- 2009 **Anthropology Department Travel Grant**, \$350.00 from Texas A&M for travel to American Association of Physical Anthropology Conference in Chicago, Illinois, 30 March- 4 April 2009.
- 2007 **Anthropology Department Travel Grant**, \$100.00 from Texas A&M for Texas Association of Biological Anthropologists, Austin, Texas, 9-10 November 2007.
- 2007 **Ecology and Evolutionary Biology Faculty Travel Grant**, \$800.00 from Texas A&M for travel to American Association of Physical Anthropology in Philadelphia, Pennsylvania, 28 March- 1 April 2007.
- 2006 **Anthropology Department Travel Grant**, \$428.57 from Texas A&M for travel to American Association of Physical Anthropology in Anchorage, Alaska, 7-12 March 2006.
- 2006 **Ecology and Evolutionary Biology Faculty Travel Grant**, \$571.43 from Texas A&M for travel to American Association of Physical Anthropology in Anchorage, Alaska, 7-12 March 2006.

Awards

- 2024 **Strategic Excellence Fund**, \$1400 for the Friday Forum Speaker budget
- 2021 **LSU Alumni Association Rising Faculty Research Award**, \$5000.
- 2018 **Tiger Athletic Foundation Undergraduate Teaching Award**, \$2000.
- 2016 **College of Humanities and Social Sciences Instructional Impact Funds**, \$21120.
- 2010 **Student Research Week Poster Prize**, \$250.00 for my poster, Student Research Week, Texas A&M University, March, 2010.
- 2009 **Texas Association of Biological Anthropology Poster Award**, \$50.00 award for Most Outstanding Poster at the Texas Association of Biological Anthropologists Conference, Austin, Texas, 13-14 November 2009.
- 2008 **Texas Academy of Science Student Research Award**, \$500.00, Texas Academy of Science.

TEACHING

Evaluations

	Enrollment	Course Evaluation	Instructor Evaluation	Evaluators
<i>2024 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS (002)	89	4.7	4.7	9
ANTH 4997: SPECIAL TOPICS ANTH	10	5.0	4.6	2
ANTH 7901: INTRO TO GRAD STUDY	18	4.7	4.5	3
<i>2024 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS (003)	80	4.4	4.7	20
ANTH 7909: ORIGINS OF GENUS <i>HOMO</i>	6	4.0	3.8	1
<i>2023 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS (002)	137	4.5	4.6	24
ANTH 3997: HUMAN EVOLUTION	15	3.8	4.0	3

ANTH 7901: INTRO TO GRAD STUDY	7	4.5	4.4	2
<i>2023 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS (002)	66	4.4	4.4	10
ANTH 1001: INTR PHYS ANTH/PRHIS (003)	20	5.0	5.0	1
<i>2022 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	107	3.6	3.6	29
ANTH 4997: SPECIAL TOPICS ANTH	8	5.0	5.0	2
ANTH 7901: INTRO TO GRAD STUDY	7			
<i>2021 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	103	4.1	4.4	26
ANTH 7909: ORIGINS OF GENUS <i>HOMO</i>	9	4.5	4.2	4
<i>2021 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	57	4.5	4.8	16
ANTH 7909: HOMININ TEETH	8	4.7	5.0	3
<i>2020 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	67	NA	4.2	24
ANTH 4997: SPECIAL TOPICS ANTH	11	4.9	4.9	4
<i>2020 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	67	4.3	4.6	23
ANTH 3997: SELECTED TOPICS - 001	36	3.8	4.1	13
<i>2019 Semester: Fall</i>				
ANTH 7909: SEL TOPICS IN ANTH - 001	10	4.4	4.5	9
ANTH 8000: THESIS RESEARCH - 007	1			
<i>2018 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	69	4.5	4.8	37
ANTH 4997: SPECIAL TOPICS ANTH	8	4.8	5.0	7
ANTH 7901: INTRO TO GRAD STUDY	13	3.3	3.8	7
<i>2018 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS 001	48	4.6	4.65	20
ANTH 3997: SELECTED TOPICS - 001	29	4.83	4.87	15
<i>2017 Semester: Fall</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS	68	4.14	4.35	22
ANTH 7901: INTRO TO GRAD STUDY	9	4.84	5.0	8
ANTH 7909: SEL TOPICS IN ANTH	9	5.0	5.0	1
<i>2017 Semester: Spring</i>				
ANTH 1001: INTR PHYS ANTH/PRHIS - 1	49	4.11	4.12	16
ANTH 1001: INTR PHYS ANTH/PRHIS - 2	64	4.11	4.0	14
ANTH 8000: THESIS RESEARCH - 11	1			
<i>2016 Semester: Fall</i>				

ANTH 1001: INTR PHYS ANTH/PRHIS - 2	117	4.38	4.44	63
ANTH 4997: SPEC TOP IN ANTHROP - 2	8	4.57	4.68	7
ANTH 7901: INTRO TO GRAD STUDY - 1	10	4.41	4.29	6

2016 Semester: Spring

ANTH 1001: INTR PHYS ANTH/PRHIS - 2	82	4.38	4.38	31
ANTH 4040: BIOLOGICAL ANTH - 1	50	4.4	4.28	42

2015 Semester: Fall

ANTH 1001: INTR PHYS ANTH/PRHIS - 2	148	4.48	4.53	75
ANTH 1001: INTR PHYS ANTH/PRHIS - 3	55	4.67	4.74	32

New Courses Developed for LSU

ANTH 3997, Undergraduate Lecture	Human Evolution
ANTH 4997, Undergraduate and Graduate Seminar	Australopithecine Paleoecology and Taphonomy
ANTH 7909, Graduate Seminar	Origins of the Genus <i>Homo</i>
ANTH 7909, Graduate Seminar	Anthropology of Hominin Teeth

STUDENTS

Graduate Major Professor

- Anthony Lanfranchi, Doctoral Student. Projected Graduation 2028.
Hannah Johnson, Doctoral Student. Projected Graduation 2028.
Jeremy Carruth, Masters Student, Projected Graduation 2025.
Jeanne Wood, Masters Student, Projected Graduation 2025.
Alexander Belanger, Doctoral Student. Projected Graduation 2026.
Margaret Furtner, Doctoral Student. Graduation August 2025.
Title: A Machine Learning Approach to Cave and Sinkhole Prediction in the Cradle of Humankind: Implications for Fossil Prospecting in Paleoanthropology
Riley Kloostra, Masters Student. Graduation May 2022.
Title: The Effects of Burial Practices on the Preservation of Bioarchaeological Remains from Caddo Sites in Northwestern Louisiana
Margaret Furtner, Masters Student. Graduation May 2020.
Title: Comparing the Accuracy of Close-Range Photogrammetry to microCT Scanning via Surface Deviation Analysis of 3D Digital Models of Hominin Molars
Maddisen Neuman, Masters Student. Graduation May 2017.
Title: A Comparative Study of the Effects of River Flow Rates on Decomposition

Graduate Committee Member

- Lauren Bagwell
Ben Moss, Doctoral Student. Projected Graduation, May 2026.
Sabrina Williamson, Masters Student. Graduation May 2022.
Title: Assessing the Affect Time and Burial Environment have on the use of the Lamendin Dental Age Astimation Method in Two Archaeological Samples from Jordan
Abigail Houkes, Masters Student. Graduation May 2022.
Title: The Utilization of 3D Computerized Tomography (CT) in the Analysis of Volume and Dimensions in the Maxillary Sinus to Evaluate Biological Sex and Population Affinity
Chris Goden, Masters Student. Graduation May 2021.
Title: Assessing the Validity of the Estimation of Population Affinity from the Maxillary Hard Palate: an Empirical Approach using a Modern Forensic Sample
Antonio Otero, Masters Student. Graduation May 2019.
Title: Using Enteseal Length to Infer Locomotor Type

Emilee Hart, Masters Student. Graduation May 2018.

Title: The Metacarpal Ratio (2Mc:4Mc) and Its Relation to Sexual Dimorphism in Primates with Different Mating Strategies

Dominique Bodoh, Masters Student. Graduation May 2017.

Title: Non Metric Cranial Differentiation Between Asian and Native American Populations for Ancestry Assessment

Alyxandra Stanco, Masters Student. Graduation May 2017.

Title: Vertebral Pathologies and Implications for Economic Lifestyle Changes in Two Prehistoric Skeletal Populations

Undergraduate Thesis Committee Member

Andrew Osborne, Senior Honors Thesis. Graduation May 2020.

Jake Mendoza, Senior Honors Thesis. Graduation May 2016.

Supervised Research in PLES Lab

Jude Sterkx, Lab Manager, Fall 2017-Spring 2019.

Riley Kloostra, Student worker, Fall 2018-Spring 2020.

Brynne L Costarella, Fall 2019- Fall 2020.

Emery Doga, Fall 2020-May 2022.

Jenifer Davis, Fall 2019-2023.

Kinsey Van Dyke, Fall 2021-

Tarun Kakarala, Fall 2022-2024.

Sarah Stockwell, Fall 2024-2025

Dean's Representative

Amy Wright, Doctoral Student. Graduation Dec 2018.

Scott Blanchard, Doctoral Student. Graduation Dec 2018.

Sunday Negedu, Doctoral Student. Graduation May 2025.

Heru Handika, Doctoral Student. Graduation May 2025.

David Vander Pluym, Doctoral Student.

Jerry Lockaby, Doctoral Student.

External Assessor

Boitshepo Motsodisa, Masters Student, University of Johannesburg, South Africa. Graduation Dec 2023.

Nadine Kocerhan, Masters Student, University of the Witwatersrand, South Africa. Projected Grad 2026

SERVICE

Professional Activities

Within the Department

Speakers Committee, Department of Geography and Anthropology, Louisiana State University, Spring 2015;

Chair of committee: Fall 2019-Fall 2022; Fall 2024-present.

Executive Committee- Department of Geography and Anthropology, Louisiana State University. Fall 2022-present.

Research and Scholarship Committee, Department of Geography and Anthropology, Louisiana State University, Fall 2016-present.

Undergraduate Anthropology Advisor, Department of Geography and Anthropology, Louisiana State University. Fall 2022-Spring 2024.

Cultural Anthropology Hiring Committee, Department of Geography and Anthropology, Louisiana State University. December 2022- March 2023.

Instructional Impact Committee, 2018 Louisiana State University.

Outside of the Department

LSU Undergraduate Research Info Fair, 22 August 2024, LSU Student Union, Louisiana State University.
LSU Discover Welcome Week Info Fair, 18 August 2023, LSU Student Union, Louisiana State University.
HSS Orientation Fair, 18 August 2022, LSU Student Union, Louisiana State University.
Poster Judge at LSU International Research Fair, 16 November 2022.
Spoke at Admitted Student Day for Dean Blanchard. 13 April 2019, Louisiana State University.
Transfer Orientation 2: Information Fair, 2018, Louisiana State University.
Orientation Information Fair, 2018, Louisiana State University.
FOAP 1 & 2: Information Fair, 2018, Louisiana State University.
A&M Showcase, 7 September 2022. River Center, Baton Rouge.
Spoke to Donors at Dean Haynie's Request, New Orleans, June 2017.
Dean of Liberal Arts Search Advisory Committee March 2009-Feb 2010, Texas A&M University.
Graduate Student Council Representative, May 2008-May 2010, Texas A&M University.
Sustainability and Environmental Management Systems Committee, May 2008-2011, Texas A&M University.
Invited Guest Lecturer for MSC Freshman Leadership International Group, October 2010, Texas A&M University.
Student Research Week Poster Judge, March 2008, March 2010, Texas A&M University.
Graduate Member of the Ecology and Evolutionary Biology Faculty, May 2009-2011, Texas A&M University.
Ecological Integration Symposium Poster Judge, March 2008 Texas A&M University.
Ecological Integration Symposium Committee Board Member, 2007 Texas A&M University.
STEM Teachers Summit Participant, represented the Texas A&M Anthropology Department and College of Liberal Arts, 28 January 2011.
Texas Aggeland Saturday Participant, represented the Texas A&M Anthropology Department, February 2011.
Women's Week Coordinator, Sept 2009-March 2010 and October 2010 Department of Anthropology, Texas A&M University.

Invited Outreach

State Library of Louisiana Staff Appreciation Event, State Library Baton Rouge, 16 May 2025.
SMAMS Spooktacular Event, Sherwood Middle Academic Magnet STEM Event. 26-27 October 2023.
Sugarfield Spirits, 19 July 2023.
Roedean High School South Africa, 5 June 2023.
World of Paleoanthropology, 27 Jan 2022. https://ne-np.facebook.com/worldofpaleoanthropology/videos/the-story-of-us-ep-28-homo-naledi-and-the-discovery-of-leti-with-dr-juliet-broph/1344111452721668/?__so__=permalink&__rv__=related_videos
University of Liverpool 17 Feb 2022. https://www.youtube.com/watch?v=4rQbrr__pxo
PaleoTalk 19 November 2021 via zoom: https://zh-cn.facebook.com/grayfossilsite/videos/297559958759378/?comment_id=297575468757827
Baton Rouge Chapter of the Louisiana Archaeological Society, Baton Rouge. 29 July 2020.
Belle Chasse Academy, Belle Chasse, LA. 28 February 2020.
Broadmoor High School, Baton Rouge, LA. Lab Workshop. 28 October 2019.
Louisiana School for the Visually Impaired, Baton Rouge, LA. 25 September 2019.
STEM Magnet Academy of Pointe Coupee, Morganza, LA. Lab Workshop. 20 March 2019.
NOLA Science Café. New Orleans, LA. 28 March 2018.
Delta Kappa Gamma, LSU. 30 January 2018.
Roger Hadfield Ogden Honors College, LSU. 2 Nov 2017.
Copper Mill Elementary, Zachary, LA. 1 June 2017.
LSU Museum of Natural Science Seminar Series. 29 January 2016.
School of Nutrition and Food Sciences, LSU. Baton Rouge, LA. 16 Nov 2016.
Baton Rouge Chapter of Louisiana Archaeological Society, 28 September 2016.
Science Saturday, LSU Department of Physics and Astronomy. 24 September 2016.
LSU Science Café. Baton Rouge, LA. 29 March 2016.
NOLA Science Café. New Orleans, LA. 8 March 2016.

LSU Tri Beta Honors Society. 7 March 2016.

Society Contributions

Annals of Human Biology Reviewer, since 2023-

Annals of Ditsong National Museum of Natural History Reviewer, 2023.

Zoological Journal of the Linnean Society Reviewer, 2023.

Journal of Human Evolution Reviewer, 2020-

American Association of Biological Anthropology Programming Committee, 2012-2017.

Early Career Committee Workshop Panel Member, American Association of Physical Anthropology, Cleveland, OH., March 2019.

Programming and Local Arrangements Committee, American Association of Physical Anthropology, New Orleans, LA., April 2016-2017.

Journal of Archaeological Science Reviewer, 2017.

National Science Foundation Reviewer, 2013

Field Museum Affiliate, Field Museum Chicago, Illinois

American Association of Physical Anthropology Programming Committee Member 2012-2017

Poster Session Chair, American Association of Physical Anthropology, Poster Session 10 Paleoanthropology: Earlier Human Evolution, 14 April, 2011.

CONTINUING EDUCATION

Invited Talks with honorarium

Lecture Series, Archaeology-Human Evolution Research Institute Seminar, 30 May 2022. University of Cape Town.

Plenary Lecture, Cynthia Irwin-Williams Lectureship, Eastern New Mexico University, Portales, NM. March 2018.

Lecture Series, Darwin Day, Tulane University, New Orleans, LA. 20 February 2016.

Lecture Series, Department of Sociology and Anthropology, University of Mississippi. Oxford, MS. 11 Nov 2015.

Lecture Series, Benedictine University, Lisle, IL. October 2014.

Lecture Series, Ohio University, Athens, OH. November 2014.

Lecture Series, University of Wisconsin-Madison, Madison, WI. November 2014.

Guest lectures

Simon Fraser University, Marina Elliott's "Human Osteology", Simon Fraser University, 27 January 2022.

LSU, John Protevi's HONORS 2030 "Evolution and Biology of Morality" Fall 2019.

LSU, Kristine DeLong's GEOG 4083 "Ice Age Environment" Fall 2017.

LSU, Kristine DeLong's GEOG 4083 "Ice Age Environment" Fall 2015.

LSU, Ginny Listi ANTH 1001 Human Origin Class 2015.

Media

Gizmodo, "Child Skull of Enigmatic Ancient Human Found in South African Cave". 4 November 2021.

[https://gizmodo.com/child-skull-of-enigmatic-ancient-human-found-in-south-a-](https://gizmodo.com/child-skull-of-enigmatic-ancient-human-found-in-south-a-1847999506?fbclid=IwAR2nOXM6EQbtOQOA1bskywnkg88PHSbjd1totvfGndyD9npx_5Lru7OWrgw)

[1847999506?fbclid=IwAR2nOXM6EQbtOQOA1bskywnkg88PHSbjd1totvfGndyD9npx_5Lru7OWrgw](https://gizmodo.com/child-skull-of-enigmatic-ancient-human-found-in-south-a-1847999506?fbclid=IwAR2nOXM6EQbtOQOA1bskywnkg88PHSbjd1totvfGndyD9npx_5Lru7OWrgw)

National Geographic, "Ancient child's bones deepen mystery of enigmatic human relative". 4 November 2021.

[https://www.nationalgeographic.com/science/article/ancient-childs-bones-deepen-mystery-of-enigmatic-human-](https://www.nationalgeographic.com/science/article/ancient-childs-bones-deepen-mystery-of-enigmatic-human-relative?fbclid=IwAR3sBtBPqBTeNKwYyOWAUExGFBqGAqBeU8RO9JP85gUarZ94AbH6C2wPslo)

[relative?fbclid=IwAR3sBtBPqBTeNKwYyOWAUExGFBqGAqBeU8RO9JP85gUarZ94AbH6C2wPslo](https://www.nationalgeographic.com/science/article/ancient-childs-bones-deepen-mystery-of-enigmatic-human-relative?fbclid=IwAR3sBtBPqBTeNKwYyOWAUExGFBqGAqBeU8RO9JP85gUarZ94AbH6C2wPslo)

Washington Post, "Scientists find fossil of early hominid in South Africa". 4 November 2021.

Advocate Interview, "A 300,000-year-old child is helping this LSU professor study the origins of humanity" 14

November 2021. https://www.theadvocate.com/baton_rouge/article_55d26342-4333-11ec-8af1-dbase284a44d.html

Radio interview with Brian Haldane on FM 107.3. 8 November 2021 <https://talk1073.com/2021/11/08/mornings-with-brian-haldane-dr-juliet-brophy-11-8-21/>

International Press Conference streamed on Instagram, Facebook, and YouTube.

<https://www.wits.ac.za/news/latest-news/research-news/2021/2021-11/a-child-of-darkness.html>

LSU Press Release, “A Child of Darkness. LSU archaeologist discovers the first partial skull of a child of an early human ancestor from about 250,000 years ago”. 4 November 2021.

https://www.lsu.edu/mediacenter/news/2021/11/04ga_brophy_child.php

Tiger TV 18 November 2021. https://www.tigertv.tv/news/this-may-be-your-ancestor-250-000-year-old-fossil-found/article_f4b5191c-483a-11ec-ba97-0792fdf57d8b.html

Advocate Interview, “A 300,000-year-old child is helping this LSU professor study the origins of humanity” 14

November 2021. https://www.theadvocate.com/baton_rouge/article_55d26342-4333-11ec-8af1-dbae284a44d.html

Nature Africa, “Child’s skull fossil found in the Cradle of Humankind”. 10 November 2021.

<https://www.nature.com/articles/d44148-021-00109-x>

International Press Conference streamed on Instagram, Facebook, and YouTube.

<https://www.wits.ac.za/news/latest-news/research-news/2021/2021-11/a-child-of-darkness.html>

LSU Press Release, “A Child of Darkness. LSU archaeologist discovers the first partial skull of a child of an early human ancestor from about 250,000 years ago”. 4 November 2021.

https://www.lsu.edu/mediacenter/news/2021/11/04ga_brophy_child.php

CNN, “First ancient fossil of *Homo naledi* child found in the Cradle of Humankind”. 4 November 2021.

<https://www.cnn.com/2021/11/04/world/homo-naledi-child-fossil-scn/index.html?fbclid=IwAR0Yv12PxXRroEKuiDFHJPZvueAmgdTQZdVfw-4iWK2R9yb5r2y15A-HS7k>

Phys.org, “Child fossil find in South Africa sheds light on enigmatic hominids”. 4 November 2021.

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Society for Vertebrate Paleontology Member 2025-

European Society for the Study of Human Evolution Member 2017-

American Association of Physical Anthropology Member 2001-

Paleoanthropology Society Member 2003-

Texas Association of Biological Anthropologists Member 2007-2011.