

Denise Fay-Shen Su, Ph.D.

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EDUCATION AND EXPERIENCE

Education

- 2005 Ph.D., New York University: Anthropology
Dissertation Title: The Paleoecology of Laetoli, Tanzania: Evidence from the Mammalian Fauna of the Upper Laetolil Beds
- 2001 M.A., New York University: Anthropology
Thesis Title: Paleoecology of the Upper Laetolil Beds, Laetoli, Tanzania: Its Implications for Hominid Evolution
- 1998 B.A., University of California, Berkeley: Anthropology (High Honors)

Current Position

- 2025 Dean's Fellow, The College of Liberal Arts and Sciences, Arizona State University
- 2021-present Associate Professor, School of Human Evolution and Social Change, Arizona State University
- 2021-present Research Scientist, Institute of Human Origins, Arizona State University

Academic Experience

- 2020-2021 International Research Affiliate, Institute of Human Origins, Arizona State University
- 2018-2021 Gertrude Haskell Britton Endowed Chair of Education, Cleveland Museum of Natural History
- 2016-2021 Adjunct Assistant Professor, Department of Biology, Case Western Reserve University
- 2016 Adjunct Assistant Professor, Department of Anthropology, Oberlin College
- 2013-2019 Visiting Scholar, Department of Anthropology, New York University
- 2012-2021 Curator of Paleobotany and Paleoecology, Cleveland Museum of Natural History
- 2009-2012 Assistant Professor, Department of Anthropology, Bryn Mawr College
- 2008-2009 Postdoctoral Research Assistant, Department of Anthropology, The Pennsylvania State University, PI: Nina Jablonski
- 2006 Adjunct Assistant Professor, California State University East Bay
- 2005-2008 Postdoctoral Research Fellow, Department of Integrative Biology and Human Evolution Research Center, UC Berkeley, PI: Tim White
- 2004 Instructor, New York University
- 2003-2004 Editorial Associate, *Journal of Human Evolution*
- 2001 Research Assistant, New York University

2000	Teaching Assistant, New York University
	Research Assistant, New York University
1999	Teaching Assistant, New York University

Leadership and Administrative Experience

2024	Associate Director of Charter Initiatives, School of Human Evolution and Social Change, Arizona State University
2024-2025	Chair of Section H, AAAS
2023-2024	Nominations/Leadership Development Chair of Section H, AAAS
2023-2025	Steering Committee, AAAS, Section H
2020-2021	Chief Academic Engagement Officer, Cleveland Museum of Natural History <ul style="list-style-type: none"> • <i>Provide the vision and strategic direction for the Museum's public engagement – includes education, community outreach and exhibits</i> • <i>Align all programming to provide all visitors with a cohesive learning and fun experience</i> • <i>Align the output of Research and Collections with Education and Exhibits to ensure positive experiences and learning outcomes for all visitors</i> • <i>Establish partnerships with external organizations to maximize resource and quality of programming</i> • <i>Acquire external funding for program and exhibits development and operations through development and grant writing</i> • <i>Supervise staff members of Education, Community Outreach, and Exhibit Divisions</i> • <i>Ensure financial feasibility of all programs</i> • <i>Generate stable revenue stream from programs</i>
2019-2021	co-Project executive for the Cleveland Museum of Natural History Centennial Transformation project <ul style="list-style-type: none"> • <i>Ensure the success of the \$150 million Centennial Transformation Project through (1) overseeing the planning, development and execution of exhibits and education programming and (2) providing strategic vision developed in conjunction with the other project executives, board members, and CEO</i>
2018-2020	Director of Partnerships and Programs, Cleveland Museum of Natural History <ul style="list-style-type: none"> • <i>Provide the vision and strategic direction for Museum education, public, and community outreach programs</i> • <i>Align programming to Museum research, collections, and exhibits</i> • <i>Establish partnerships with external organizations to maximize resource and quality of programming</i> • <i>Acquire external funding for program development and operations through development and grant writing</i> • <i>Supervise staff members of Education and Community Outreach Divisions</i> • <i>Ensure financial feasibility of all programs</i> • <i>Generate stable revenue stream from programs</i>
2012-2018	Head of Paleobotany and Paleoecology, Cleveland Museum of Natural History <ul style="list-style-type: none"> • <i>Oversee the general management of the Paleobotany and Paleoecology Department</i>

- *Acquire external funding for collections management*
- *Supervise staff and volunteers of the department*
- *Oversee the collections management, curation and strategic direction of the department*

Field Research Experience

2022	Exploratory survey of the Chiwondo Beds in Malawi PI: D.F. Su
2022	Project development and set-up at Issa Valley for the “Modern Ecological Data for Constructing Early Hominin Paleoecological Models” Project PI: D.F. Su
2015-2016	Exploratory Paleontological and Geological Expedition in the Afar Region of Ethiopia PIs: S. Simpson, D. F. Su, S. Frost, J. Quade
2009-2018	Zhaotong Basin Paleontological and Geological Expedition PIs: N. Jablonski, D. F. Su, J. Kelley, L. Flynn, and X. Ji
2007	Exploration of Selected Late Tertiary Mammalian Sites in Yunnan Province, China PIs: N. Jablonski and X. Ji
2006	Wembere-Manonga Paleontological Expedition at Manonga Valley, Tanzania PI: T. Harrison
2000-present	Eyasi Plateau Paleontological and Geological Expedition at Laetoli, Tanzania PI: T. Harrison
2000	Taphonomic Study of the Modern Garusi Area PI: D. F. Su

AWARDS, HONORS, FELLOWSHIPS

Elected Fellowship

2020	Elected Fellow of American Association for the Advancement of Science
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Awards and Honors

2022	Excellence in Graduate Teaching Award, School of Human Evolution and Social Change, Arizona State University
2019	Living STEM honoree, TIES, Cleveland
2019	Crain’s Cleveland Notable Women in STEM
2012	Cleveland Magazine’s Most Interesting People of 2012
2006	Dean’s Outstanding Dissertation Award for Social Sciences, New York University

PUBLICATIONS

Peer-Reviewed Publications

Journals and Book Chapters

⁺ graduate student author mentored; # postdoctoral scholar mentored

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| Submitted | Adrian, B. ⁺ , Campisano, C.J., Reed, K.E., Su, D.F. A novel mud terrapin from the hominin-bearing Pliocene Hadar Formation in Ethiopia with evolutionary and paleoecological perspectives. <i>Scientific Reports</i> . |
| In press | Su, D.F. , Reed, K.E., Smail, I., and Steininger, C. <i>Paranthropus robustus</i> : paleoecological context of an enigmatic species. In Constantino, P., Reed, K.E., Wood, B. (eds) <i>The Forgotten Lineage(s): Paleobiology of Paranthropus</i> . SpringerLink Series in Vertebrate Paleobiology and Anthropology. |
| In press | Reed, K.E., Su, D.F. Paleoenvironments of <i>Australopithecus afarensis</i> and implications for hominin evolution. In Grine, F. and Martin, L. (eds) <i>Africa: the Human Cradle, an International Conference Paying Tribute to Richard E. Leakey</i> . SpringerLink Series in Vertebrate Paleobiology and Anthropology. |
| 2025 | Mhakilicha, I., Stewart, F.A., Su, D.F. , Piel, A. Nonhuman primates and cattle: a camera trap survey of inter-specific spatial and temporal overlap. <i>Folia Primatologica</i> . DOI: 10.1163/14219980-bja10057 |
| 2025 | Adrian, B. ⁺ , Kelley, J., Wang, X., Ji, X.-P., Su, D.F. Postcranial morphology of the giant swamp otter <i>Siamogale melilutra</i> (Lutrinae: Mustelidae: Carnivora) from northeastern Yunnan, southwestern China. <i>Anatomical Records</i> . DOI: 10.1002/ar.25669 |
| 2024 | Jiangzuo, Q., Wang, X., Law, C.J., Su, D.F. , Jia, Y., Li, S., Fu, J., Wang, S., Deng, T., Ji, X. Presence of <i>Cernictis</i> and <i>Lutravis</i> (Ictonychinae, Mustelidae, Carnivora) in eastern Asia and the dispersal of Ictonychinae during the Late Miocene. <i>Journal of Systematic Paleontology</i> . DOI: 10.1080/14772019.2024.2348032 |
| 2024 | Su, D.F. , Kelley, J., Flynn, L.J., Ji, X.P., Deng, C.L., Deng, T., Li, P., Li, Z.Z., Sanders, W.J., Stidham, T.A., Sun, F., Wang, X., Wang, Y., Youlatos, D., Jablonski, N.G. Paleoecology and paleobiogeography of Shuitangba, China: A late Miocene site in transition. <i>Paleogeography, Palaeoclimatology, Palaeoecology</i> , 641: 112112. DOI: 10.1016/j.palaeo.2024.112112 |
| 2024 | Su, D.F. Habitat heterogeneity and early hominin paleoenvironment. Invited contribution to <i>Annual Review of Anthropology</i> , vol 53, for publication in 2024. |
| 2023 | Harrison, T., Su, D.F. , Fillion, E.N. ⁺ , Kwekason, A. Early Pliocene fauna from the Lower Laetolil Beds, Laetoli, Tanzania. <i>Historical Biology</i> . DOI: 10.1080/08912963.2023.2258907 |
| 2023 | Flynn, L.J., Qiang, L., Kelley, J., Jablonski, N.G., Ji, X., Su, D.F. , and Wang, W. A giant bamboo rat from the latest Miocene of Yunnan. <i>Vertebrata Palasiatica</i> . DOI: 10.19615/j.cnki.2096-9899.230710 |

- 2022 Wang, X., **Su, D.F.**, Jablonski, N.G., Ji, X., Kelley, J. Flynn, L.J., and Deng, T. Earliest giant panda false thumb suggests conflicting demands for locomotion and feeding. *Scientific Reports*. 12, 10538.
- 2022 Harrison, T., Kwekason, A., and **Su, D.F.** Paleoecology of the Upper Laetoli Beds, Laetoli, Tanzania. In S. Reynolds & R. Bobe (Eds.) *African Paleoecology and Human Evolution*. Cambridge: Cambridge University Press.
- 2022 **Su, D.F.** and Haile-Selassie, Y. Mosaic Habitats at Woranso-Mille (Ethiopia) during the Pliocene and Implications for *Australopithecus* Paleoecology and Taxonomic Diversity. *Journal of Human Evolution*. 163, 103076.
<https://doi.org/10.1016/j.jhevol.2021.103076>
- 2020 Jablonski, N., Ji, X., Kelley, J., Flynn, L.J., Deng, C., **Su, D.F.** *Mesopithecus pentelicus* from Zhaotong, China, the easternmost representative of a widespread Mio-Pliocene cercopithecoid species. *Journal of Human Evolution* 146, 102851.
<https://doi.org/10.1016/j.jhevol.2020.102851>
- 2019 Flynn, L.J., Kelley, J., Jablonski, N., Ji, X., **Su, D.F.**, Lee, Q. Late Miocene Fossil Calibration from Yunnan Province for the Striped Rabbit *Nesolagus*. *Vertebrata Palasiatica* 57: 214-224.
- 2018 **Su, D.F.** and Croft, D.A. Making Sense of the Evidence: Synthesizing Paleoecology Data. In D. Croft, D.F. Su, S. Simpson (Eds.) *Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. Springer Press.
- 2018 Kovarovic, K., **Su, D.F.*** Lintulaasko, K⁺. Mammal Community Structure Analysis. In D. Croft, D.F. Su, S. Simpson (Eds.) *Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. Springer Press.
- 2018 Hou, S.[#], **Su, D.F.**, Kelley, J., Deng, T., Jablonski, N.G., Flynn, L.J., Ji, X., Cao, J., Yang, X. New fossil suid specimens from the Terminal Miocene Hominoid Locality of Shuitangba, Zhaotong, Yunnan Province, China. *Journal of Mammalian Evolution* 26: 557-571. <https://doi.org/10.1007/s10914-018-9431-3>
- 2017 Tseng, J., **Su, D.F.**, Wang, X., White, S., Ji, X.. Feeding capability in the extinct giant *Siamogale melilutra* (Lutrinae, Mustelidae, Carnivora, Mammalia). *Scientific Reports* 7: 15225. DOI:10.1038/s41598-017-15391-9
- 2017 Wang, X., Grohé, C., **Su, D.F.**, White, S.C., Ji, X., Kelley, J., Jablonski, N.G., Deng, T., You, Y., Yang, W. A new giant otter, *Siamogale melalutra* (Lutrinae: Mustelidae: Carnivora), from the latest Miocene Shuitangaba site in northeastern Yunnan, southwestern China and a total evidence phylogeny of lutrines. *Journal of Systematic Paleontology*. <http://dx.doi.org/10.1080/14772019.2016.1267666>.
- 2016 Haile-Selassie, Y., Melillo, S., **Su, D.F.** The Pliocene hominin conundrum: do more fossils mean less clarity? *Proceedings of the National Academy of Sciences* 113: 6364-6371.
- 2016 **Su, D.F.** Taphonomy and Paleoecology of KSD-VP-1/1. In (Haile-Selassie and Su, eds). The postcranial anatomy of *Australopithecus afarensis*: insights from KSD-VP-1/1. pp. 25-37. Vertebrate Paleobiology and Paleoanthropology Series, Springer-Verlag.
- 2015 Ji, X., Jablonski, N.G., Tong, H., **Su, D.F.**, Ebbestad, J.O.R., Liu, C., Yu, T. *Tapirus yunnanensis* from Shuitangba, a terminal Miocene hominoid site in Zhaotong, Yunnan Province of China. *Vertebrata Palasiatica* 53(3): 177-192.

- 2015 Wang, S.-Q., Ji, X.-P., Jablonski, N.G., **Su, D.F.**, Ge, J.-Y., Ding, C.-F., Yu, T.-S., Li, W.-Q. The oldest cranium of *Sinomastodon* (Proboscidea, Gomphotheriidae), discovered in the uppermost Miocene of southwestern China: implications for the origins and migration of this taxon. *Journal of Mammalian Evolution*. DOI: 10.1007/s10914-015-9311-z.
- 2015 **Su, D.F.** and Harrison, T. The paleoecology of the Upper Laetolil Beds, Laetoli Tanzania: A review and synthesis. *Journal of African Earth Sciences* 101: 405-419.
- 2014 Dong, W., Ji, X., Jablonski, N.G., **Su, D.F.**, Li, W. New materials of the Late Miocene *Muntiacus* from Zhaotong hominoid site in southern China. *Vertebrata PalAsiatica* 52: 316-327.
- 2014 Jablonski, N.G., **Su, D.F.***, Flynn, L., Ji, X., Deng, C., Kelley, J., Zhang, Y., Yin, J., You, Y., Yang, X. The site of Shuitangba (Yunnan, China) preserves a unique, terminal Miocene fauna. *Journal of Vertebrate Paleontology* 34: 1251-1257.
- 2013 Ji, X., Jablonski, N., **Su, D. F.*** Flynn, L., Deng, C., You, Y., and Kelley, J. A new juvenile hominoid cranium from the terminal Miocene of Yunnan, China. *Chinese Science Bulletin* 58: 3771-3779.
- 2013 Zhang, Y., Ji, X., Jablonski N.G., **Su, D.F.**, Wang, X., Yang, X., Li Z., Fu, L. Stratigraphic significance of the avian fauna from late Miocene of Zhaotong Region, Yunnan Province. *Acta Paleontologica Sinica* 52: 281-287.
- 2013 **Su, D. F.** The Earliest Hominins: *Sahelanthropus*, *Orrorin*, and *Ardipithecus*. *Nature Education Knowledge* 4(4): 11.
- 2012 **Su, D. F.** What is it Like to be a Biological Anthropologist? A Field Paleontologist's Point of View. *Nature Education Knowledge* 3(6): 22
- 2011 **Su, D. F.** Large Mammal Evidence for the Paleoenvironment of the Upper Laetolil and Upper Ndolanya Beds, Laetoli, Tanzania. In (T. Harrison, ed) *Paleontology and Geology of Laetoli: Geology, Geochronology, Paleoenvironment, and Paleoecology*. pp. 381-392. Springer.
- 2011 Gentry, A. and **Su, D. F.** Bovidae: Appendix. In (T. Harrison, ed) *Paleontology and Geology of Laetoli: Human Evolution in Context, Volume II, Fossil Hominins and the Associated Fauna*. Springer.
- 2009 White, T. D., Ambrose, S., Suwa, G., **Su, D. F.**, DeGusta, D., Bernor, R. L., Boisserie, J.-R., Brunet, M., Delson, E., Frost, S., Garcia, N., Giaortsakis, I., Haile-Selassie, Y., Hlusko, L. J., Howell, F. C., Kaya, F., Lehmann, T., Pehlevan, C., Saegusa, H., Teaford, M., and Vrba, E. Macrovertebrate Paleontology and Aramis Pliocene Environment. *Science*, 326: 87-93.
- 2009 **Su, D. F.** and Jablonski, N.G. Locomotor Behavior and Morphology in Odd-Nosed monkeys. *Folia Primatologica*, 80:189-219.
- 2009 **Su, D. F.**, Ambrose, S., DeGusta, D., and Haile-Selassie, Y. Late Miocene Paleoenvironment of the Middle Awash, Afar Rift, Ethiopia. In (Y. Haile-Selassie and G. WoldeGabriel, eds) *Ardipithecus kadabba: Late Miocene Evidence from the Middle Awash, Ethiopia*. University of California Press.
- 2008 **Su, D. F.** and Harrison, T. Ecological implications of the relative rarity of fossil hominins at Laetoli. *Journal of Human Evolution*, 55: 672-681.
- 2007 **Su, D. F.** and Harrison, T. The Paleocology of the Upper Laetolil Beds at Laetoli: A Reconsideration of the Large Mammal Evidence. In (R. Bobe, Z. Alemseged, K.A. Behrensmeyer, eds) *Hominin environments in the East African Pliocene: an assessment of the faunal evidence*. Kluwer Press.

- 2002 Harrison, T., Ji, X. P., **Su, D.** On the Systematic Status of the late Miocene and Pliocene hominoids from Yunan Province, China. *Journal of Human Evolution*, 43: 207-227.

Edited Volumes

- 2018 Croft, D., **Su, D.F.**, Simpson, S. (Eds.) *Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. Springer Press.
- 2016 Haile-Selassie, Y. and **Su, D.F.** (Eds.) The postcranial anatomy of *Australopithecus afarensis*: insights from KSD-VP-1/1. Vertebrate Paleobiology and Paleoanthropology Series, Springer-Verlag.

Professional Meeting Presentations and Published Presentation Abstracts

⁺ graduate student author; [#] undergraduate student author

- 2024 Adrian, B.⁺, Reed, K.E., **Su, D.F.**. Body size differences between modern and fossil eastern African mammal assemblages suggest increased predatory pressures in Pliocene paleocommunities. Annual Meeting of the American Association of Biological Anthropologists in 2024.
- 2024 **Su, D.F.**, Reed, K.E. Paleoenvironments of *Australopithecus afarensis* and implications for early hominin habitat preferences. Annual Meeting of the American Association of Biological Anthropologists in 2024.
- 2022 **Su, D.F.**, Reed, K.E., Beirnat, M.D.⁺, Lalunio, E.F.⁺, Tsige, Y.G.⁺, Bow, K.[#], Brenton, R., Oricchio, M.[#], Robbins, J.[#], Zamora, S.[#]. A multiproxy paleoecology comparison of 2.8 Ma hominin sites. *Meeting of Paleoanthropology Society 2022*. https://paleoanthro.org/media/uploads/files/PaleoAnthro_2022_abstracts_meeting_s_version.pdf.
- 2022 **Su, D.F.**, Kelley, J., Flynn, L., Ji, W., Jablonski, N. Shuitangba: Overview, Taphonomy, and Paleoenvironment. Annual Meeting of the Society of Vertebrate Paleontology in 2022. Special Symposium: *A Late Miocene Shangri-La: The Remarkable Vertebrates and Paleoenvironment of the Site of Shuitangba, Yunnan Province, China*.
- 2021 Reed, K.E., Smail, I.E.⁺, Su, D.F., Biernat, M.⁺, Lalunio, E.⁺, Winslow, K.[#], Bow, K.[#], Cline, C.[#], George, C.F.[#], Oricchio, M.[#]. Examining differences among *Australopithecus afarensis* localities: Climate and paleoecology. *American Journal of Physical Anthropology* 174, 89. Abstract.
- 2019 **Su, D.F.**, Haile-Selassie, Y. Mid-Pliocene paleoenvironment of Woranso-Mille (Ethiopia): implications for hominin diversity and *Australopithecus paleoecology*. *American Journal of Physical Anthropology*, 168 (S68): 242.
- 2017 **Su, D.F.**, Harrison, T. *Australopithecus afarensis* habitat diversity: a unique perspective from Laetoli, Tanzania. *American Journal of Physical Anthropology*, 162 (S64): 373.
- 2016 Flynn, L.J., Kelley, J., Jablonski, N., **Su, D.F.**, and Ji, X. A Wetland Small Mammal Fauna from the Late Miocene of Yunnan, South China. *Journal of Vertebrate Paleontology*, Program and Abstracts 2016.
- 2015 Curtis, E.[#], **Su, D.F.** Ecomorphology and locomotor adaptations of small mammals: implications for habitat inferences of Shuitangba (Yunnan, China), a

- late Miocene hominoid-bearing site. *American Journal of Physical Anthropology*, 156 (S60): 114.
- 2014 **Su, D.F.**, Flynn, L.J., Kelley, J., Ji, X., Deng, C., Jablonski, N. Shuitangba: a terminal Miocene fossil vertebrate site in Yunnan, China. *Journal of Vertebrate Paleontology*, Program and Abstracts 2014: 236.
- 2014 **Su, D.F.** and Harrison, T. Habitat reconstruction of Laetoli, Tanzania and its implications for understanding mosaic environments. *American Journal of Physical Anthropology*, 153 (S58): 249.
- 2014 Laird, M.F.⁺, Harrison, T., Zhou, S., Kozma, E.[#], Kwekason, A., and **Su, D.F.** Morphometric and functional analyses of a new colobine tibia from Laetoli, Tanzania, *American Journal of Physical Anthropology*, 153 (S58): 164.
- 2011 Jablonski, N.G., **Su, D.F.**, Kelley, J., Flynn, L.F., and Ji, X. The Mio-Pliocene colobine monkey, *Mesopithecus*, in China. *American Journal of Physical Anthropology*, 144 (S52): 174
- 2009 **Su, D.F.**, Ji, X., Kelley, J., and Jablonski, N.G. A new paleontological site in the Zhaotong Basin of Yunnan Province, China. *American Journal of Physical Anthropology*, 138 (S48): 250.
- 2008 **Su, D.F.** and Harrison, T. The Laetoli Paleoenvironment Environment: Reconsiderations and Implications for Early Hominin Evolution. *Journal of Vertebrate Paleontology*, 128 (S3): 148A.
- 2006 **Su, D.F.** The Mammalian Evidence for the Paleoenvironment of the late Miocene Deposits of the Middle Awash, Ethiopia. *PaleoAnthropology*, Abstracts of the PaleoAnthropology Society 2006 Meetings: A04.
URL: <http://www.paleoanthro.org/journal/content/PAS2006A.pdf>
- 2004 **Su, D.F.** and Harrison, T. Faunal differences in the Upper Laetoli Beds of Laetoli: Implications for paleoecological reconstructions. 32nd Int. Geol. Congr., electronic version posted on-line on July 20, 2004, Abs. Vol., pt. 1, abs. 7-8.
- 2004 Harrison, T. and **Su, D.F.** Laetoli Paleocology and early hominin habitats. 32nd Int. Geol. Congr., electronic version posted on-line on July 20, 2004, Abs. Vol., pt. 1, abs. 7-6.
- 2004 Harrison, T. and **Su, D.F.** Laetoli paleoecology reconsidered: implications for early hominin habitats. *PaleoAnthropology*, Abstracts of the PaleoAnthropology Society 2004 Meetings: A33.
URL: <http://www.paleoanthro.org/journal/content/PAS2004A.pdf>
- 2003 **Su, D.F.** and Harrison T. Faunal differences in the sequence at Laetoli: Implications for taphonomy and paleoecology. *American Journal of Physical Anthropology*, Supplement 36: 203.
- 2003 **Su, D.F.**, Harrison, T., and Friedline, S. Taphonomic versus ecological factors in the rarity of fossil hominins at Laetoli, Tanzania. 2003 Paleoanthropology Society Meeting Abstracts.
URL: <http://www.paleoanthro.org/abst2003.htm>
- 1999 **Su, D.** and Hartwig, W. C. Comparative Size at Maturity Reaction Norms in Old and New World Monkeys. *American Journal of Physical Anthropology*, Supplement 28: 260-261.
- 1998 **Su, D.** and Jablonski, N. G. Locomotion and Forelimb Morphology in Snub-Nosed Monkeys (Colobinae: *Rhinopithecus*). *American Journal of Physical Anthropology*, Supplement 26: 213.

Articles for the General Public

- 2024 **Su, D.F.** Lucy, discovered 50 years ago in Ethiopia, stood just 3.5 feet all – but she still towers over our understanding of human origins. *The Conversation US*. <https://theconversation.com/lucy-discovered-50-years-ago-in-ethiopia-stood-just-3-5-feet-tall-but-she-still-towers-over-our-understanding-of-human-origins-227866>
- 2022 **Su, D.F.** How many ice ages has the Earth had, and could humans live through one? *The Conversation US*. <https://theconversation.com/how-many-ice-ages-has-the-earth-had-and-could-humans-live-through-one-179360>
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OUTREACH, SCIENCE COMMUNICATION, AND STEM INFRASTRUCTURE DEVELOPMENT

Exhibits

- 2022 *The Evolution of Technology*, Institute of Human Origins Ancient Technology Lab, Arizona State University
- A display on the evolution of technology in humans
 - Led a team of students in design and implementation
- 2021 *100 years of Discovery: A museum's past, present, and future*, Cleveland Museum of Natural History
- An interactive exhibit that explores CMNH's 100-year history as a leader in scientific research, education, and conservation, and showcases vision to pioneer a new model for natural history museums
 - Led a team of educators, exhibit specialists, and fabricators to design and implement the exhibit

Educational and Outreach Programs

*Part of my initiatives to build STEM pipelines and infrastructure

- In development *Is Race Real? A digital series exploring what race is and what it is not*, Arizona State University and Institute of Human Origins
- A digital series that will explore race within a scientific and cultural context. Leading the development and implementation of the program. Partners include The National Museum of Natural History, Arizona Science Center, and American Association of Biological Anthropologists
- 2021-2025 *S.L.A.M. Dunk**, Cleveland Museum of Natural History
- CMNH provides free programming for all K-2nd graders in East Cleveland School District several times throughout the year. This includes fieldtrips to CMNH, at-school programs, free visits and special programs and activities for students and their families, science

books for ECSD libraries, and science activity kits for students. This program is on-going. Designed and led the implementation of the program; secured philanthropic and federal funding through family foundations and Institute of Museum and Library Services.

- 2020-2023 *Science for Success**, Cleveland Museum of Natural History
- Paid internships for high school students from underrepresented groups in science. The students build critical skills in communication and research. They participate in research and education activities throughout the year and workshops on preparation for college. This program is on-going. Designed and led the implementation of the program; secured philanthropic funding through individuals and family foundations.
- 2020-2021 *Community Listening Campaign*, Cleveland Museum of Natural History
- As CMNH began its centennial transformation, it was essential that the communities it serves were part of the transformation. CMNH held neighborhood conversations and one-on-one interviews with members of the communities surrounding the Museum. The results from these conversations are integrated as part of the Museums's centennial transformation plan from the design of the new building to education and outreach programs to research priorities. Designed and led the implementation of the program.
- 2020-2024 *Science for All**, Cleveland Museum of Natural History, implemented in 2020
- CMNH provides free programming for all Title 1 schools and their students and families. Designed and led the implementation of the program; secured state funding through budget appropriations.
- 2018-2019 *Women in Science**, Cleveland Museum of Natural History
- Programming throughout the year that highlights the challenges and accomplishments of female scientists, included a special exhibit, speaker series, family day, and panel discussions on STEM careers. Designed and implemented the program; secured philanthropic funding through individuals and family foundations and corporate sponsorships.

Science Communication (selected)

- Communicating the results of my latest research – describing and naming a new species of fossil otter from my site in China.
 - The paper was reported in major news outlets, including: [New York Times](#), [Washington Post](#), [NPR](#), [CNN](#), [Science Magazine](#)
 - CMNH-produced video that provides the background on the fossil otter <https://www.youtube.com/watch?v=b9Aj1zN9p0A&t=96s>
 - Interview with Cleveland NBC-affiliate wkyc <http://www.wkyc.com/tech/science/new-prehistoric-otter-discovered/394040374>
- Communicating the importance of paleobotanical specimens

- CMNH-produced “Specimen Spotlight” series
<https://www.youtube.com/watch?v=lmyMd7izZJc&t=45s>
- Communicating how to reconstruct paleoenvironments on Science Friday
 - <https://www.sciencefriday.com/person/denise-su/>
- Communicating General Science
 - Article on Ice Ages in *The Conversation*

FUNDING

Research Funding

2021-2025	W.M. Keck Foundation, \$1,200,000, PI: Y. Haile-Selassie, K. Reed, Beverly Saylor, Co-PIs: N. Levin, M. Araya, D. Barboni, C. Campisano, A. Deino, S. Feakins, D. Feary, L. Gibert, D. Hembree, D.F. Su , J. Yarus <i>Title: Disentangling the Drivers of Human Evolution: Tectonics, Climate, and Habitat</i>
2021-2024	National Science Foundation (#BCS-2051213), \$311,026, PI: Y. Haile-Selassie, co-PIs: K. Reed, D.F. Su <i>Title: Reconstructing paleoecology for critical transitions in hominin evolution</i>
2012-2017	National Science Foundation (#BCS-1227964), \$118,947, PI: D.F. Su <i>Title: Collaborative Research: Paleobiogeography, paleoecology, and continued investigation of a diverse, terminal Miocene, primate-bearing fauna from southern China</i>
2012	L.S.B. Leakey Foundation, \$25,000, PI: Y. Haile-Selassie, co-PI: D.F. Su <i>Title: Paleobiology and Paleoecology of KSD-VP-1/1</i>
2010-2012	National Science Foundation (#BCS-1035897), \$25,000, PI: D.F. Su , co-PI: N.G. Jablonski <i>Title: Emergency recovery and preliminary study of catarrhine primate fossils from the Yongle lignite mine, Zhaotong, Yunnan Province, China Research Grant</i>
2009	American Association of Physical Anthropologists Professional Development Grant, \$7,000, PI: D.F. Su
2006	Curation and Infrastructure Grant, Researching Hominid Origins Initiative (RHOI-NSF HOMINID Grant), \$2,000, PI: D.F. Su
2003	Graduate School of Arts and Science Student Travel Grant, New York University
2003	NYCEP Travel Grant, New York Consortium of Evolutionary Primatology
2002-2004	National Science Foundation, Dissertation Improvement Grant (#BCS-0216683), \$7,255, PI: T. Harrison, co-PI: D.F. Su <i>Title: Paleoecology of the Upper Laetolil Beds, Laetoli, Tanzania</i>
2001	Margaret and Herman Sokol Fellowship, New York University NYCEP Pre-dissertation Travel Grant, New York Consortium of Evolutionary Primatology
1999	NYCEP Travel Grant, New York Consortium of Evolutionary Primatology
1998	NYCEP Travel Grant, New York Consortium of Evolutionary Primatology

1998-2003 Dean's Minority Fellowship, New York University
 1998-2003 Henry Mitchell MacCracken Fellowship, New York University

Funding for Initiatives in STEM Infrastructure Development

- Paleobotany Collections at the Cleveland Museum of Natural History
 - \$215,000 from a family foundation to improve the conditions of the paleobotany collection
 - \$20,000 from a donor for collections management supplies
 - \$30,000 from a family foundation to establish the John H. Hoskins student internship
- Education Programs at the Cleveland Museum of Natural History
 - \$1.4 million through budget appropriation from the State of Ohio operating budget, funding was acquired in collaboration with the Government Relations Committee of the Board
 - \$190,000 from two family foundations to pilot *Science for Success* – a paid internship program for underrepresented high school students in science
 - \$183,655 from Institute of Museum and Library Services to support S.L.A.M. Dunk
 - \$25,000 from a family foundation for improvement of educational technology
 - \$10,000 from a donor for S.L.A.M. Dunk
 - \$45,000 from a corporate foundation for S.L.A.M. Dunk
 - \$20,000 from a corporate foundation for planetarium renovation
 - \$20,000 from family foundations to provide free transportation to Title 1 schools for programs at the museum
 - \$65,000 from corporations for the Women in Science Initiative
 - \$25,000 in collaboration with Boys and Girls Club of Cleveland from the Ohio EPA to provide nature-based programming for club kids.
 - \$900,000 campaign gift for education programs from a family foundation.
 - \$25,000 from a family foundation to develop a web series on race.

INVITED LECTURES

2025	<i>How did we become human?</i> American Museum of Natural History Scientist Speaker Series
2025	<i>The Environments of our early human ancestors: how we know and why it matters</i> ASU Lecture Series at Rio Verdes
2024	<i>How we became human: from Lucy to culture</i> American Museum of Natural History Professional Learning Opportunities
2024	<i>Savannas and Human Evolution</i> Monthly Lecture Series in honor of Lucy 50 th celebration. March 2024
2024	<i>The Story of Us: connecting our past to our future</i> Mirabella at ASU
2023	<i>Paleoenvironments of Australopithecus afarensis and implications for hominin</i>

- evolution*
Richard Leakey Memorial Conference, Stony Brook University and National Geographic Society
- 2023 *Reconstructing early hominin paleoenvironments*
Science on Tap, Tempe
- 2023 *A paleontologist's perspective on invasive species*
Ecophilia
- 2022 *From Bones to Habitat: How do we know where our ancestors lived?*
Yale University and Yale Peabody Museum of Natural History
- 2021 *Paleohabitats at Woranso-Mille, Ethiopia*
New York Consortium in Evolutionary Primatology
- 2020 *Australopithecus afarensis paleohabitat variability – case studies from Laetoli and Woranso-Mille*
University College London
- 2019 *Early Hominin Paleoecology and Implications for Human Evolution*
Burpee Museum, PaleoFest
- 2019 *Early Hominin Paleoecology and Implications for Human Evolution*
Cleveland State University, Anthropology Department, Darwin Day Keynote Speaker
- 2018 *From PI to Admin*
NASA Glenn Research Center
- 2017 *Early hominin paleoecology and implications for human evolution*
Dartmouth College
- 2016 *A. afarensis paleoecology and its evolutionary implications*
Department of Anthropology, Kent State University
- 2016 *Reconstructing Ancient Worlds: early hominin paleoecology and implications for human evolution*
NASA Glenn Research Center
- 2016 *Early hominin paleoecology*
Department of Anthropology, Florida Atlantic University
- 2016 *Early hominins and their environments*
Lakeland Community College
- 2015 *A behind-the-scenes tour of field paleontology*
Ecophilia
- 2015 *Reconstructing early hominin habitats and why it's important*
Department of Biology, Case Western Reserve University
- 2015 *Paleoecology of Early Hominins*
Department of Anthropology, Kent State University
- 2015 *Reconstructing Ancient Worlds*
Senior Scholars Program, Case Western Reserve University
- 2013 *On the trail of our ancestors*
North Museum, keynote speaker at the Champions of Science Dinner
- 2013 *My journey to a career in STEM*
GE Lighting Women in STEM 3rd Annual Conference
- 2012 *From Bones to Habitat: Reconstructing Paleoenvironments of Early Hominins*
Northeastern Ohio Geological Society
- 2012 *From Bones to Habitat: Reconstructing Paleoenvironments of Early Hominins*
Department of Biology, Case Western Reserve University

2012	<i>From Bones to Habitat: Reconstructing Paleoenvironments of Early Hominins</i> Department of Anthropology, Duke University
2012	<i>Paleoecology of the Miocene-Pliocene Transition in Africa</i> North Coast Fossil Club, Cleveland, OH
2011	<i>Paleoecology of the Miocene-Pliocene Transition: Case Studies from Ethiopia, Tanzania and China</i> Department of Anthropology, Oberlin College
2010	<i>Late Miocene-Early Pliocene Paleoecology of Eastern Africa: Case Studies from Ethiopia and Tanzania</i> Department of Geology and Institute of Science of Origins, Case Western Reserve University
2009	<i>Paleoecology of Laetoli, Tanzania and Its Implications for Human Evolution</i> New York Consortium of Evolutionary Primatology Conference: Darwin's Legacy: Early Human Evolution in Africa

TEACHING AND TRAINING

Classes at Arizona State University

ASB 579	Critical Issues in Museum Studies <ul style="list-style-type: none"> • Required class for Museum Studies Certificate program
ASM 104	Bones, Stones, and Human Evolution <ul style="list-style-type: none"> • Required class for Anthropology Major
ASM 300(o)	Anthropological Sciences Seminar <ul style="list-style-type: none"> • Core class for Anthropology Major
ASM 598	Zooarchaeology & Paleoecology II <ul style="list-style-type: none"> • Elective class for graduate students interested in paleoenvironmental reconstructions
ASM 344(o)	Fossil Hominids <ul style="list-style-type: none"> • Online, lab-based class on the fossil hominin record

Classes at Case Western Reserve University

BIOL 398	Modern Human Biological Variation
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Classes at Oberlin College

ANTH 302	Special Seminar Topic: <i>Australopithecus afarensis</i> and its environment at Laetoli, Tanzania
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Classes at Bryn Mawr College

ANTH 101	Introduction to Anthropology: prehistoric archaeology and human evolution
ANTH 208	Human Biology: Modern Human Biological Variation
ANTH 209	Human Evolution
ANTH 212	Primate Evolution and Behavior
ANTH 360	Advanced Topic in Human Evolution: Origins of Hominidae

Undergraduate Students Supervised in Research Projects

Arizona State University

2025

Amy Frei	Undergraduate Research Apprenticeship Program (online)
Deserae O'Dell	Undergraduate Research Apprenticeship Program (online)
Kate Kraul-Schaus	Undergraduate Research Apprenticeship Program (in person)
Phil DeSmet	Undergraduate Research Apprenticeship Program (in person)
Ashley Coleman	Undergraduate Research Apprenticeship Program (online)
Abigail Helms	Undergraduate Research Apprenticeship Program (online)
Diya Maharaj	Undergraduate Research Apprenticeship Program (online)

2024

Amy Frei	Undergraduate Research Apprenticeship Program (online)
Deserae O'Dell	Undergraduate Research Apprenticeship Program (online)
Kate Kraul-Schaus	Undergraduate Research Apprenticeship Program (in person)
Phil DeSmet	Undergraduate Research Apprenticeship Program (in person)
Ashley Coleman	Undergraduate Research Apprenticeship Program (online)
Abigail Helms	Undergraduate Research Apprenticeship Program (online)

2023

Eleanor Pinto	Barrett Honors Contract
Benjamin Daymo	Undergraduate Research Apprenticeship Program (in person)
Gabriela Irwin	Undergraduate Research Apprenticeship Program (online)
Matthew Lomsdalen	Undergraduate Research Apprenticeship Program (online)
Jerod Edwards	Undergraduate Research Apprenticeship Program (online)
Amy Frei	Undergraduate Research Apprenticeship Program (online)
Yu-Wei Huang	Undergraduate Research Apprenticeship Program (in person)
Deserae O'Dell	Undergraduate Research Apprenticeship Program (online)
Jordan Singh	Undergraduate Research Apprenticeship Program (online)
Cheyenne Barron	Undergraduate Research Apprenticeship Program (online)

2022

Hudson Mensay	Barrett Honors Contract
Matthew Lomsdalen	Undergraduate Research Apprenticeship Program (online)
Madeleine Orrichio	Undergraduate Research Apprenticeship Program (in person)
Susan Zamora	Undergraduate Research Apprenticeship Program (in person)

2021

Jake Robbins	Undergraduate Research Apprenticeship Program (online)
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Case Western Reserve University

Patrick Guder	Case Western Reserve University Senior Capstone Project (2013)
Andrew McGrath	Case Western Reserve University Independent Research Project (2015)
Sierra Cotton	Case Western Reserve University Senior Capstone Project (2018)

Cleveland Museum of Natural History

Francesca Cumo	Kirtlandia Summer Research Internship (2016), Oberlin College
Emma Curtis	Kirtlandia Summer Research Internship (2015), New York University
Elaine Kozma	Kirtlandia Summer Research Internship (2013), New York University

Bryn Mawr College

Madison Schaeffer	Bryn Mawr College Senior Thesis (2010)
Judith Mendelsohn	Bryn Mawr College Independent Research Project (2011)
	Bryn Mawr College Senior Thesis (2012)

Graduate Students

Arizona State University

Brent Adrian	Ph.D. advisor, Arizona State University (current)
Linnet Sankau	Ph.D. co-advisor, Arizona State University (current)
Yemane Tsige	Ph.D. co-advisor, Arizona State University (2020-2023)
Maryse Beirnet	Ph.D. Committee Member, Arizona State University (2022-2024)

Non-ASU Institutions

Kanvaly Bamba	Ph.D. Committee Member, Case Western Reserve University (2017-2019)
Elizabeth Fillion	Ph.D. Committee Member, New York University (2022-2023)
James Ridland	Ph.D. co-supervisor, Durham University (current)

Postdoctoral Fellows

Dr. Sukuan Hou (2015-2017)
Dr. Máire Malone (2022-2023)
Dr. Blade Redae (2023-)

SERVICE

Service at Arizona State University

2023-present	SHESC Representative for The Committee for Charter Initiatives
2024-2025	Chair, Director of Charter and Community Initiatives Search Committee, School of Human Evolution and Social Change
2023-2024	Chair, Committee on Strategic Charter Initiatives, School of Human Evolution and Social Change
2023-2024	Member, Committee on Museum Studies, School of Human Evolution and Social Change
2023-2024	Member, Executive Committee, School of Human Evolution and Social Change
2021-present	Member, Development Committee, Institute of Human Origins

- 2021-2022 Member, Evolutionary Anthropology Faculty Search Committee, School of Human Evolution and Social Change
- 2021-2022 Member, Curator of Collections Search Committee, School of Human Evolution and Social Change

Academic Service

- 2021-present Recommender, Peer Community In (PCI) Paleontology
- 2019-2024 Associate Editor, Journal of Human Evolution
- 2018-2021 Electorate and Nominating Committee, AAAS, Section H
- 2014 Chair, Search Committee for Curator of Human Health, Cleveland Museum of Natural History
- 2012-2017 National Science Foundation Panel Reviewer
- 2011-2012 Bryn Mawr College Committee on Faculty Awards and Grants
- 2010 Bryn Mawr College Faculty Diversity Representative for the Chemistry Search Committee
- 2010-2012 Bryn Mawr College Anthropology Major Advisor
- 2010-2012 Chair of Ph.D. Committee for Carrie Robbins (Ph.D. Candidate, History of Art), Bryn Mawr College

Board Membership

- 2022-present Institute of Human Origins Executive Board, Member
- 2018-present Ko-K-Yo Foundation, co-Founder and Treasurer
- 2022-2023 ASU Art Museum Creative Impact Board, Member

Other Service

- 2012-2021 Cleveland Museum of Natural History Exhibit Content Core Advisor
- 2014-2016 Co-leader in the Databasing Initiative at the Cleveland Museum of Natural History
- 2014-2015 Strategic Planning Committee at Cleveland Museum of Natural History

Public Outreach

Participated in projects that promoted diversity in science

- American Association of Physical Anthropology IDEAS (Increasing Diversity in Evolutionary Anthropological Sciences) Scholars Project, supported by NSF.
 - The IDEAS project aims to improve the diversity of scholars in the field of biological anthropology through targeted mentoring and outreach to minority communities.
 - <https://www.youtube.com/watch?v=UaGKaxsKPT4>
- “The Bearded Lady Project: Challenging the Face of Science”, a photo exhibit and documentary film that highlights the challenges faced by female paleontologists.
 - <http://thebeardedladyproject.com>
 - https://www.news-herald.com/news/ohio/bearded-lady-project-at-cleveland-museum-of-natural-history-encourages/article_333899ec-63a2-58e3-b9da-70e62c84280c.html

Journal and Grant Referee

Nature

OTHER ACADEMIC ACTIVITIES

Organized Symposia

- 2022 A Late Miocene Shangri-La: The Remarkable Vertebrates and Paleoenvironment of the Site of Shuitangba, Yunnan Province, China. The 82nd Annual Meeting of the Society of Vertebrate Paleontology. Organized by: **D.F. Su** and N. Jablonski.
- 2017 Diversity, Variation, and Paleoecology: A View of Hominin Complexity from the Middle Pliocene of Eastern Africa. The 86th Annual Meeting of the American Association of Biological Anthropologists. Organized by: A.L. Rector, K.E. Reed, and **D.F. Su**

Organized Workshops and Conferences

- 2015 African Rift Valley Research Consortium Workshop, Cleveland Museum of Natural History. Organized by Y. Haile-Selassie and **D.F. Su**. Hosted by Cleveland Museum of Natural History.
- 2015 Latest Methods in reconstructing Cenozoic terrestrial environments and ecological communities. Organized by D. Croft, S. Simpson, and **D.F. Su**. Hosted by Cleveland Museum of Natural History.

Invited Workshops

- 2018 African Rift Valley Research Consortium Workshop, University of Chicago
- 2016 African Rift Valley Research Consortium Workshop, New York University
- 2014 African Rift Valley Research Consortium Workshop, Institute of Human Origins, Arizona State University
- 2013 PaleoCore Workshop on Data Standards in Paleoanthropology, University of Texas, Austin
- 2013 The Paleobiology, Taxonomy, and Paleoecology of Early *Australopithecus*: A Collaborative Approach to Synthesizing the Evidence, Cleveland Museum of Natural History
- 2013 Dietary Reconstructions of Early Hominins. Institute of Human Origins, Arizona State University