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PROFESSIONAL & ACADEMIC POSITIONS

Current:

2017-present	Associate Professor - School of Human Evolution and Social Change, Arizona State University
2010-2017	Assistant Professor - School of Human Evolution and Social Change, Arizona State University
2010-present	Research Associate - Institute of Human Origins, Arizona State University

Previous:

2007-2010	Postdoctoral Fellow - Institute of Human Origins, Arizona State University
2007-2009	Research Collaborator - Smithsonian Institution, Human Origins Program
2005-2007	Predoctoral Fellow - Smithsonian Institution, Human Origins Program

EDUCATION

Ph.D. Anthropology, Rutgers University, New Brunswick, New Jersey. May, 2007
Certificate in Quaternary Studies
Dissertation: *Tephrostratigraphy and Hominin Paleoenvironments of the Hadar Formation, Afar Depression, Ethiopia*.
Committee: Craig S. Feibel, Susan Antón, Robert Blumenschine, William Kimbel

M.A. Anthropology, Rutgers University, New Brunswick, New Jersey. January, 2004
Advisor: Dr. Craig S. Feibel

B.A. Anthropology, Cornell University, Ithaca, New York. May, 1998
magna cum laude with distinction in all subjects.
Honor's Thesis: *Late Pliocene Environmental Change in the Turkana Basin and its Implications for Hominid Evolution*. Advisor: Dr. Meredith F. Small

Training Courses:

ICDP Scientific Drilling Training Course. October 2008
UCLA Ion Microprobe Workshop. February 2009
GEON Cyberinfrastructure Summer Institute for Geoscientists. August 2009

PEER REVIEWED PUBLICATIONS

Lead author listed first; Mentored student author; *Mentored postdoc author*

In Review

Villmoare, B., Delezene, L.K., Kimbel, W.H., Rector, A.L., DiMaggio, E.N., Abduall, O., Ahamedine, M., **Campisano, C.J.**, Chupik, D., Deino, A.L., Feary, D.A., Garello, D.I.,

Mohammed, B., Robinson, J., Scott, E., Smail, I.E., Werdelin, L., Arrowsmith, J.R., Reed, K.E. New discoveries of *Australopithecus* and *Homo* from Ledi-Geraru, Ethiopia. In review at *Nature*.

Brochu, C.A., Drumheller, S.K., **Campisano, C.J.**, Tekle, G., Getachew, T., Head, J.J., Platt, N.D., Leaphart, D. Lucy's peril: A Pliocene crocodile from the Hadar Formation, northeastern Ethiopia. In review at *Journal of Systematic Paleontology*.

Choudhary, D., Gilbert, C.C., **Campisano, C.J.**, Peppe, D.J., Arif, M., Singh, S.P., Tesfay, K.N., Patel, B.A., Abass, W., Kumar, R., Phartiyal, B., Singh, N.P., Sharma, K.M., Patnaik, R. Geochronological insights of Middle Miocene primates and vertebrate fauna of Ramnagar (J&K, India): Integrating litho- and magnetostratigraphy. In review at *Geological Society of American, Bulletin*.

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. In review at *Scientific Reports*.

2025 45. Kirk, E.C., **Campisano, C.J**., Deino, A.L., Egberts, S., Kemp, A.D., Lundeen, I.K., Rodwell, B. A middle Eocene haplorhine frontal bone from the Tornillo Basin of Texas, and its implications for the phylogenetic relationships of *Rooneyia* and other Paleogene primates. *American Journal of Biological Anthropology* 186, e70045. https://doi.org/10.1002/ajpa.70045

44. Robinson, J.R., Lazagabaster, I.A., Rowan, J., Lewis M.E., Werdelin, L., **Campisano, C.J**., Reed, K.E. Paleoecology of the Pliocene large carnivore guild at Hadar, lower Awash Valley, Ethiopia. *Journal of Human Evolution* 202, 103653. https://doi.org/10.1016/j.jhevol.2025.103653

43. Kirkpatrick, A.G., Lazagabaster, I.A., Robinson, J.R., Rowan, J., **Campisano, C.J.**, Reed, K.E., Scott, J.R., Ungar, P.S. Dental microwear of bovids from the Pliocene-Pleistocene transition in the Lower Awash Valley, Ethiopia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 670, 112932. https://doi.org/10.1016/j.palaeo.2025.112932

42. Gilbert, C.C., Ortiz, A., Pugh, K.D., **Campisano, C.J.**, Patel, B.A., Singh, N.P., Fleagle, J.G., Patnaik, R. Additional analyses of stem catarrhine and hominoid dental morphology support *Kapi ramnagarensis* as a stem hylobatid. *Journal of Human Evolution* 199, 103628. https://doi.org/10.1016/j.jhevol.2024.103628

2024 41. Kappelman, J. and 63 others including Hirniak, J.N. and **Campisano, C.J.** Adaptive foraging behaviors in the Horn of Africa during the Toba eruption and the out of Africa dispersal. *Nature* 628, 365-372. https://doi.org/10.1038/s41586-024-07208-3

40. Rowan, J., Du, A., Lundgren, E.J., Faith, J.T., Beaudrot, L., Campisano, C.J. , Joordens, J., Lazagabaster, I.A., Locke, E.M., Smail, I.E., Reed, K.E., Kamilar, J.M. Long-term biotic homogenization in the East African Rift System over the last 6 million years of hominin evolution. *Nature Ecology and Evolution,* https://doi.org/10.1038/s41559-024-02462-0

2023 39. Rooney, T.O., Brown, E.L., Bastow, I.D., Arrowsmith, J R., **Campisano, C.J.** Magmatism during the continent – ocean transition. *Earth and Planetary Science Letters* 614,118189 https://doi.org/10.1016/j.epsl.2023.118189

38. Jimenez-Rodriguez, S., Quade, J., Levin, N.E., **Campisano, C.J.**, Stinchcomb, G.E., Roman, D.C., Bedaso, Z. Environmental controls on the hydrogen isotopic composition of volcanic glass from the southern Afar rift, eastern Africa. *Chemical Geology* 628, 121484 https://doi.org/10.1016/j.chemgeo.2023.121484

2022 37. Sehgal, R.K., Singh, A.P., Gilbert, C.C., Patel, B.A., **Campisano, C.J.**, Selig, K.R., Patnaik, R., Singh, N.P. A new genus of treeshrew and other micromammals from the middle Miocene hominoid locality of Ramnagar, Udhampur District, Jammu & Kashmir State, India. *Journal of Paleontology*. https://doi.org/10.1017/jpa.2022.41

36. Rowan, J., Lazagabaster, I.A., **Campisano, C.J.**, Bibi, F., Bobe, R., Boisserie, J.R., Frost, S.R., Getachew, T., Gilbert, C.C., Lewis, M.E., Scott, E., Sahleselasie, M., Souron, A., Werdelin, L., Reed, K.E., Kimbel, W.H. (2022). Early Pleistocene large mammals from Maka'amitalu, Hadar, lower Awash Valley, Ethiopia. *PeerJ* 10:e13210. https://doi.org/10.7717/peerj.13210

35. Cohen, A., Du, A., Rowan, J., Yost, C., Billingsley, A., **Campisano, C.J.**, Brown, E., Deino, A., Feibel, C., Grant, K., Kingston, J., Lupien, R., Muiruri, V., Owen, R.B., Reed, K., Russell, J., Stockhecke (2022). Plio-Pleistocene environmental variability in Africa and its implications for mammalian evolution. *Proceedings of the National Academy of Sciences* 119, e2107393119. https://doi.org/10.1073/pnas.2107393119

34. **Campisano, C.J.**, Rowan, J. & Reed, K.E. The Hadar Formation, Afar Regional State, Ethiopia: Geology, fauna, and paleoenvironmental reconstructions, in Reynolds, S. and Bobe, R. (eds.) *African Paleoecology and Human Evolution*. Cambridge University Press, pp. 214-228.

33. Drapeau, M., Wynn, J.G., Geraads, D., **Campisano, C.J.**, Bobe, R. Paleontology and geology of the Mursi Formation, in Reynolds, S. and Bobe, R. (eds.) *African Paleoecology and Human Evolution*. Cambridge University Press, pp. 278-288.

32. Cohen, A.S., **Campisano, C.J.**, Arrowsmith, J.R., Asrat, A., Beck, C., Behrensmeyer, A.K., Deino, A.L., Deocampo, D.M., Feibel, C.S., Foerster, V., Kingston, J., Lamb, H., Lowenstein, T., Lupien, R., Muiruri, V., Olago, D., Owen, R.B., Potts, R., Russell, J., Schaebitz, F., Stone, J., Trauth, M., Yost, C. Reconstructing the environmental context of human origins in Eastern Africa through scientific drilling. *Annual Review of Earth and Planetary Sciences* 50, 451-476 (invited, Cohen & Campisano co-first author). https://doi.org/10.1146/annurev-earth-031920-081947

31. Zawacki, E.E., van Soest, M.C., Hodges, K.V., Scott, J.J., Barboni, M., Strecker, M.R., Feibel, C.S., **Campisano, C.J.**, Arrowsmith, J.R. Sediment provenance and volcano-tectonic evolution of the East African Rift System from U/Pb and (U-Th)/He laser ablation double dating of detrital zircons. *Earth and Planetary Science Letters* 50, 117375. https://doi.org/10.1016/j.epsl.2022.117375

30. Deocampo, D.M., Owen, R.B., Lowenstein, T.K., Renaut, R.W., Rabideaux, N.M., Billingsley, A.L., Cohen, A.S., Deino, A.L., Sier, M.J., Luo, S., Shen, C., Gebregiorgis, D. Campisano, C.J., Mbuthia, A. Orbital control of Pleistocene euxinia in Lake Magadi, Kenya. *Geology* 50, 42-47. https://doi.org/10.1130/G49140.1

2021 29. Muiruri, V.M., Owen, R.B., de Cort, G., Renaut, R.W., Rabideaux, N.M., Lowenstein, T.K., Leet, K., Sier, M., Cohen, A.S., Deocampo, D.M., **Campisano, C.J.**, Billingsley, A.L., Mbuthia, A. Middle Pleistocene to recent diatoms and stratigraphy of the Magadi Basin, south Kenya Rift. *Journal of Paleolimnology* 65, 315-333. https://doi.org/10.1007/s10933-020-00173-7

28. Muiruri, V.M., Owen, R.B., Lowenstein, T.K., Renaut, R.W., Marchant, R., Rucina, S.M., Cohen, A.S., Deino, A.L., Sier, M.J., Luo, S. Leet, K., **Campisano, C.J.**, Rabideaux, N.M., Deocampo, D.M., Shen, C., Mbuthia, A., Davis, B.C., Aldossari, W., Wang, C. A million year vegetation history and palaeoenvironmental record from the Lake Magadi Basin, Kenya Rift Valley. *Palaeogeography, Palaeoclimatology, Palaeoecology* 567; 110247. https://doi.org/10.1016/j.palaeo.2021.110247

2020 27. Gilbert, C.C., Ortiz, A., Pugh, K.D., **Campisano, C.J**., Patel, B.A., Singh, N.P., Fleagle, J.G., Patnaik, R. New Middle Miocene ape (Primates: Hylobatidae) from Ramnagar, India fills major gaps in the Hominoid fossil record. *Proceedings of the Royal Society, B* 287, 20201655. http://dx.doi.org/10.1098/rspb.2020.1655

2019 26. Braun, D.R., Aldeias, V., Archer, W., Arrowsmith, J R., Baraki, N., **Campisano, C.J.**, Deino, A.L., DiMaggio, E.N., Dupont-Nivet, G., Engda, B., Feary, D.A., Garello, D.I., Kerfelew, Z., McPherron, S.P., Patterson, D.B., Reeves, J.S., Thompson, J.C., Reed, K.E. Earliest known Oldowan artifacts at >2.58 Ma from Ledi Geraru, Ethiopia, highlight early technological diversity. *Proceedings of the National Academy of Sciences* 116, 11712-11717. https://doi.org/10.1073/pnas.1820177116
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Response to Comment: *PNAS* 116. https://doi.org/10.1073/pnas.1911952116
See link to comprehensive list of global media coverage in Media *section*

25. Gilbert, C.C., Sehgal, R.K., Pugh, K.D., **Campisano, C.J.**, May, E., Patel, B.A., Singh, N.P., Patnaik, R. New *Sivapithecus* specimen from Ramnagar (Jammu & Kashmir), India and a taxonomic revision of Ramnagar hominoids. *Journal of Human Evolution* 135, 102665. https://doi.org/10.1016/j.jhevol.2019.102665

24. Owen, R.B., Renaut, R.W., Muiruri, V.M., Rabideaux, N.M., Lowenstein, T.K., McNulty, E.P., Leet, K., Deocampo, D., Luo S., Deino, A.L., Cohen, A.S., Sier, M.J., **Campisano, C.J.**, Shen, C., Billingsley, A., Mbuthia, A., Stockhecke, M. Quaternary history of the Lake Magadi Basin, southern Kenya Rift: Tectonic and climatic controls. *Palaeogeography, Palaeoclimatology, Palaeoecology* 518, 97-118. https://doi.org/10.1016/j.palaeo.2019.01.017

2018 23. Owen, R.B., Muiruri, V.M., Lowenstein, T.K., Renaut, R.W., Rabideaux, N., Luo S., Deino, A.L., Sier, M.J., Dupont-Nivet, G., McNulty, E.P., Leet, K., Cohen, A.S., **Campisano, C.J.**, Deocampo, D., Shen, C., Billingsley, A., Mbuthia, A. Progressive aridification in East Africa over the last half million years and implications for human evolution. *Proceedings of the National Academy of Sciences* 115, 11174-11179. https://doi.org/10.1073/pnas.1801357115

22. Lazagabaster, I.A., Souron, A., Rowan, J., *Robinson, J.R.* **Campisano, C.J.**, Reed, K.E. Fossil Suidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi Geraru, lower Awash Valley, Ethiopia: Implications for late Pliocene turnover and paleoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology* 504, 186-200. https://doi.org/10.1016/j.palaeo.2018.05.029

2017 21. **Campisano, C.J.,** Cohen, A.S., Arrowsmith, J R., Asrat, A., Behrensmeyer, A.K., Brown, E.T., Deino, A.L., Deocampo, D.M., Feibel, C.S., Kingston, J.D., Lamb, H.F., Lowenstein, T.K., Noren, A., Olago, D.O., Owen, R.B., Pelletier, J.D., Potts, R., Reed, K.E., Renaut, R.W., Russell, J.M., Russell, J.L., Shäbitz, F, Stone, J.R., Trauth, M.H., Wynn, J.G. The Hominin Sites and Paleolakes Drilling Project: High-resolution paleoclimate records from the East African Rift System and their implications for understanding the environmental context of hominin evolution. *Paleoanthropology* 2017, 1-43. http://dx.doi.org/10.4207/PA.2017.ART104

20. *Robinson, J.R.*, Rowan, J., **Campisano, C.J**., Wynn, J.G. & Reed, K.E. Late Pliocene environmental change during the transition from *Australopithecus* to *Homo*. *Nature Ecology & Evolution* 1, 0159. http://dx.doi.org/10.1038/s41559-017-0159

19. Paige, J., Michelaki, K., **Campisano, C.J**., Barton, M., Heimsath, A. Are the intensities and durations of small-scale pottery firings sufficient to completely dehyroxylate clays? Testing a key assumption underlying ceramic rehydoxylation dating. *Journal of Archaeological Science* 79, 44-52. http://dx.doi.org/10.1016/j.jas.2017.01.009

18. Gilbert, C.C., Patel, B.A., **Campisano, C.J.**, Fleagle, J.G., Rust, K.L., Patnaik, R. New sivaladapid primate from Lower Siwalik deposits surrounding Ramnagar, Jammu and Kashmir State, India. *Journal of Human Evolution* 102, 21-41. http://dx.doi.org/10.1016/j.jhevol.2016.10.001

2016 17. Mohan, J., Stone, J.R., & **Campisano, C.J.** Three novel species of Bacillariophyceae (Diatoms) belonging to *Aulacoseira* and *Lindavia* from the Pliocene Hadar Formation, Afar Depression of Ethiopia. *Phytotaxa* 272, 235-247. http://dx.doi.org/10.11646/phytotaxa.272.4.1

16. Wynn, J.G., Reed, K.E., Sponheimer, M., Kimbel, W.H., Alemseged, Z., Bedaso, Z., Wilson, J.N. & **Campisano, C.J.** Paleodietary flexibility in the face of paleoecological change: Evidence from Hadar, Ethiopia. *Journal of Human Evolution* 99, 93-106. http://dx.doi.org/10.1016/j.jhevol.2016.08.002

15. Rowan, J., Locke, E.M., *Robinson, J.R.*, **Campisano, C.J.**, Wynn, J.G. & Reed, K.E. Fossil Giraffidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi-Geraru and late Pliocene dietary evolution in giraffids from the lower Awash Valley, Ethiopia. *Journal of Mammalian Evolution*. http://dx.doi.org/10.1007/s10914-016-9343-z

14. Cohen, A.S., **Campisano, C.J**., Arrowsmith, R., Asrat, A., Behrensmeyer, A.K., Deino, A., Feibel, C., Hill, A., Johnson, R., Kingson, J., Lamb, H., Lowenstein, T., Noren, A., Olago, D., Owen, R.B., Potts, R., Reed, K., Renaut, R., Schäbitz, F., Tiercelin, J.-J., Trauth, M.H., Wynn, J., Ivory, S., Brady, K., O'Grady, R., Rodysill, J., Githiri, J., Russell, J., Foerster, V., Dommain, R., Rucina, S., Deocampo, D., Russell, J., Billingsley, A., Beck, C., Dorenbeck, G., Dullo, L., Feary, D., Garello, D., Gromig, R., Johnson, T., Junginger, A., Karanja, M., Kimburi, E., Mbuthia, A., McCartney, T., McNulty, E., Muiruri, V., Nambiro, E., Negash, E.W., Njagi, D., Wilson, J.N., Rabideaux, N., Raub, T., Sier, M.J., Smith, P., Urban, J., Warren, M., Yadeta, M., Yost, C., Zinaye, B. The Hominin Sites and Paleolakes Drilling Project: Inferring the environmental context of human evolution from eastern African rift lake deposits. *Scientific Drilling* 21, 1-16. http://dx.doi.org/10.5194/sd-21-1-2016

2015 13. DiMaggio, E.N., Arrowsmith, JR., **Campisano, C.J.**, Johnson, R., Deino, A.L, Warren, M., Fisseha, S. & Cohen, A.S. Tephrostratigraphy and depositional environment of young (<2.94 Ma) Hadar Formation deposits at Ledi-Geraru, Afar, Ethiopia. *Journal of African Earth Sciences* 112, 234-250. http://dx.doi.org/10.1016/j.jafrearsci.2015.09.018

12. DiMaggio, E.N., **Campisano, C.J.**, Rowan, J., Dupont-Nivet, G., Deino, A.L., Bibi, F., Lewis, M., Souron, A., Garello, D., Werdelin, L., Reed, K.E. & Arrowsmith, J.R. Late Pliocene fossiliferous sedimentary record and the environmental context of early *Homo* from Afar, Ethiopia. *Science* 347,1352-1355. http://dx.doi.org/10.1126/science.aaa1415

11. Villmoare, B., Kimbel, W.H., Seyoum, C., **Campisano, C.J.**, DiMaggio, E.N., Rowan, J., Braun, D.R., Arrowsmith, J.R. & Reed, K.E. Early *Homo* at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia. *Science* 347, 1355-1359. http://dx.doi.org/10.1126/science.aaa1343
-Including-
Response to Comment: *Science* 348, 1326c. http://dx.doi.org/10.1126/science.aab1122
See link to comprehensive list of global media coverage in Media *section*

2014 10. **Campisano, C.J.**, Kirk, E.C., Townsend, K.E.B. & Deino, A. Geochronological and taxonomic revision of the Middle Eocene Whistler Squat Quarry (Devil's Graveyard Formation, Texas) and implications for the early Uintan in West Texas. *PLOS ONE* 9, e101516. http://dx.doi.org/10.1371/journal.pone.0101516

9. Drapeau, M., Bobe, R., Wynn, J.G., **Campisano, C.J**., Dumouchel, L. & Geraads, D. The Omo Mursi Formation: a window into the East African Pliocene. *Journal of Human Evolution* 75, 64-79. http://dx.doi.org/10.1016/j.jhevol.2014.07.001

2012 8. **Campisano, C.J.** Milankovitch cycles, paleoclimatic change, and hominin evolution. *Nature Education Knowledge* 3(7), 5. http://www.nature.com/scitable/knowledge/library/milankovitch-cycles-paleoclimatic-change-and-hominin-evolution-68244581

7. **Campisano, C.J.** Geological summary of the Busidima Formation (Plio-Pleistocene) at the Hadar Paleoanthropological Site, Afar Depression, Ethiopia. *Journal of Human Evolution* 62, 338-352. http://dx.doi.org/10.1016/j.jhevol.2011.05.002

2008 6. **Campisano, C.J.** & Feibel, C.S. Tephrostratigraphy of the Hadar and Busidima Formation at Hadar, Afar Depression, Ethiopia. In: *The Geological Context of Human Evolution in the Horn of Africa* (J. Quade and J.G. Wynn, Eds.). Geological Society of America Special Paper 446, pp. 135-162.

5. **Campisano, C.J.** & Feibel, C.S. Depositional environments and stratigraphic summary of the Hadar Formation at Hadar, Afar Depression, Ethiopia. In: *The Geological Context of Human Evolution in the Horn of Africa* (J. Quade and J.G. Wynn, Eds.). Geological Society of America Special Paper 446, pp. 179-201.

4. DiMaggio, E.N., **Campisano, C.J.**, Arrowsmith, J.R., Reed, K.E., Swisher, C.C. III, & Lockwood, C.A. Correlation and stratigraphy of the BKT-2 volcanic complex in west-central Afar, Ethiopia. In: *The Geological Context of Human Evolution in the Horn of Africa* (J. Quade and J.G Wynn, Eds.). Geological Society of America Special Paper 446, pp. 163-177.

3. Roman, D., **Campisano, C.J.**, Quade, J., DiMaggio, E.N., Arrowsmith, J.R., & Feibel, C.S. Composite Tephrostratigraphy of the Dikika, Gona, Hadar, and Ledi-Geraru project areas, northern Awash, Ethiopia. In: *The Geological Context of Human Evolution in the Horn of Africa* (J. Quade and J.G Wynn, Eds.). Geological Society of America Special Paper 446, pp. 119-134.

2. Dupont-Nivet, G., Sier, M., **Campisano, C.J.**, Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E., Lockwood, C.A., Franke, C., & Hüsing, S. Magnetostratigraphy of the eastern Hadar Basin (Ledi-Geraru research area, Ethiopia) and implications for hominin paleoenvironments. In: *The Geological Context of Human Evolution in the Horn of Africa* (J. Quade and J.G Wynn, Eds.). Geological Society of America Special Paper 446, pp. 67-85.

2007 1. **Campisano, C.J.** & Feibel, C.S. Connecting local environmental sequences to global climate patterns: Evidence from the hominin-bearing Hadar Formation, Ethiopia. *Journal of Human Evolution* 53, 515-527. http://dx.doi.org/10.1016/j.jhevol.2007.05.015

NON PEER REVIEWED PUBLICATIONS

2019 6. **Campisano, C.J.**, Lower Awash Valley Workshop Participants. Geological collaboration at paleoanthropological sites in Ethiopia's lower Awash Valley. *Evolutionary Anthropology* 28, 228-232. https://doi.org/10.1002/evan.21800

5. Braun, D.R., Aldeias, V., Archer, W., Arrowsmith, J R., Baraki, N., **Campisano, C.J.**, Deino, A.L., DiMaggio, E.N., Dupont-Nivet, G., Engda, B., Feary, D.A., Garello, D.I., Kerfelew, Z.,

McPherron, S.P., Patterson, D.B., Reeves, J.S., Thompson, J.C., Reed, K.E. Reply to Sahle and Gossa: Technology and geochronology at the earliest known Oldowan site at Ledi-Geraru, Ethiopia. *Proceedings of the National Academy of Sciences* 116. https://doi.org/10.1073/pnas.1911952116

2015 4. Villmoare, B., Kimbel, W.H., Seyoum, C., **Campisano, C.J.**, DiMaggio, E.N., Rowan, J., Braun, D.R., Arrowsmith, J.R. & Reed, K.E. Response to Comment on "Early *Homo* at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia". *Science* 348, 1326c. http://dx.doi.org/10.1126/science.aab1122

2009 3. Cohen, A.S., Arrowsmith, J R., Behrensmeyer, A.K., **Campisano, C.J**., Feibel, C.S., Fisseha, S., Johnson, R., Bedaso, Z., Lockwod, C.A., Mbua, E., Olago, D., Potts, R., Reed, K.E., Renaut, R., Tiercelin, J-J. & Umer, M. Understanding paleoclimate and human evolution through the Hominin Sites and Paleolakes Drilling Project. *Scientific Drilling* 8, 60-65. http://dx.doi.org/10.2204/iodp.sd.8.http://dx.doi.org/10.2009

2. Cohen, A.S., Arrowsmith, J R., Behrensmeyer, A.K., **Campisano, C.J**., Feibel, C.S., Fisseha, S., Johnson, R., Bedaso, Z., Lockwod, C.A., Mbua, E., Olago, D., Potts, R., Reed, K.E., Renaut, R., Tiercelin, J-J. & Umer, M. Scientific drilling for human origins: Exploring the application of drill core records to understanding hominin evolution; Addis Ababa, Ethiopia, 17-21 November 2008. *Eos, Transactions* 90(14), 122 (with online supplement).

1. Cohen A., **Campisano, C.J.** & Feibel, C.S. Human evolution and scientific drilling. In: The Future of Continental Scientific Drilling, a US Perspective (A.W. Walton, W. Clyd, S.M. Colman, S. Hickman, C. Koeberl, K.H. Miller and J. Shervais, Eds.). DOSECC Workshop Publication 1, pp. 20-21.

RESEARCH GRANTS

Total Funding Involvement: $16,762,764 **External Funding Administered by ASU: $7,776,012**
Campisano ASU Recognition: $1,460,458

In Review

National Science Foundation (S-STEM) ($1,999,988)
"S-STEM: using Human origins to Motivate Advancement in STEM (HUMANS)". PIs: D. Su (lead), C. Campisano, P. LePore, C. Perrault, J. Silk.

2024 20. National Science Foundation (BCS-BA) ($299,999; ASU component = $0)
"A landscape approach to ecological and hominin diversity between 2.8 and 2.4 Ma at Ledi-Geraru, Afar Region, Ethiopia". PIs: A. Rector (lead), R. Arrowsmith, **C. Campisano**, K. Reed, B. Villmoare.
ASU Co-PIs reassigned to Senior Personnel at submission as lead institution would only allow institutions receiving funds to be co-PI. Our rolls in grant writing, research, and project management remain the same.

2021 19. W.M. Keck Foundation ($1,200,000; ASU component = $497,168)
"Disentangling the drivers of human evolution: Tectonics, climate, and habitat". ASU PIs: Y. Haile-Selassie, **C. Campisano**, D. Feary, K. Reed, D. Su (Case Western Reserve Univ. as lead institution, 10 additional PIs)

2020 18. National Science Foundation (BSC-BA) ($345,898; ASU component = $18,285)
"Collaborative Research: The chronology and ecological context of primate and mammalian evolution in the Lower Siwaliks of Ramnagar (Jammu & Kashmir), India". PI: **C. Campisano**

2019 17. National Science Foundation (BCS-BA) ($389,862; ASU component = $108,203)
"Collaborative Research: Hominin diversity, paleobiology, and behavior at the terminal Pliocene from Ledi-Geraru (Afar, Ethiopia)". PIs: R. Arrowsmith (lead), **C. Campisano**, K. Reed.

16. National Science Foundation (BSC-ARCH) ($342,869; ASU component = $98,418)
"Collaborative Research: Support for the Cryptotephra Laboratory for Archaeological and Geological Research at the UNLV and the Ceramic and Sediment Preparation Laboratory at ASU". PIs: C. Marean (lead), **C. Campisano**, E. Fisher.

2017 15. National Science Foundation (BCS-BA) ($49,978)
"Collaborative geological field review of paleoanthropological sites in the lower Awash Valley, Ethiopia". PI: **C. Campisano**

14. L.S.B. Leakey Foundation ($23,895 to Hunter College)
"Miocene primate chronology and biogeography in the Indian Lower Siwaliks". PIs: C. Gilbert (lead), B. Patel, **C. Campisano**

2015 13. National Science Foundation (BCS-ARCH) ($314,347; ASU component = $258,434)
"Collaborative Research: Paleoanthropology of the Ledi-Geraru: Filling in a temporal gap in hominin evolution"
PIs: K. Reed (lead), R. Arrowsmith, **C. Campisano**, E. DiMaggio, B. Villmoare

2014 12. John Templeton Foundation ($4,934,107; Ledi-Geraru component = $373,427)
"Evolutionary foundations of human uniqueness: Recovering patterns of cognition, cumulative culture and cooperation"
PIs: W. Kimbel (lead), K. Reed, G. Schwartz, C. Marean, R. Boyd, J. Silk, **C. Campisano**, D. Johanson.

2013 11. National Science Foundation (Frontiers in Earth Systems Dynamics) ($4,780,000; ASU subcontract = $1,249,481)
"FESD Type I: Earth System Dynamics and its Role in Human Evolution in Africa"
PIs: A. Cohen (lead), **C. Campisano**, J. Kingston, K. Reed, J. Russell

10. National Science Foundation (EAR-SGP) ($171,196 supplement; ASU component = $35,914)
"Collaborative Research: The Hominin Sites and Paleolakes Drilling Project: Acquiring a high resolution paleoenvironmental context of human evolution"
PIs: **C. Campisano** (lead), R. Arrowsmith, A. Asrat, M. Umer, J. Wynn

2012 9. National Science Foundation (Integrative Paleoanthropology Grant) ($995,996; ASU component = $117,251)
"IPG: Collaborative Research: A high-resolution analysis of unique paleoenvironmental data from key hominin sites in East Africa"
PIs: **C. Campisano** (lead), R. Arrowsmith, A. Asrat, K. Reed, J. Wynn

8. National Science Foundation (EAR-SGP) ($880,000; ASU component = $215,231)
"Collaborative Research: The Hominin Sites and Paleolakes Drilling Project: Acquiring a high resolution paleoenvironmental context of human evolution"
PIs: **C. Campisano** (lead), R. Arrowsmith, A. Asrat, M. Umer, J. Wynn

7. National Science Foundation (BCS-PA) ($260,156; ASU component = $200,025)
Collaborative Research: Paleoanthropological Investigations of the Ledi-Geraru Hominin Site (Afar, Ethiopia).

PIs: **C. Campisano** (lead), K. Reed, R. Arrowsmith

6. International Continental Scientific Drilling Program (ICDP) ($200,000 supplement)
"The Hominin Sites and Paleolakes Drilling Project (HSPDP): Using scientific drilling to understand the paleoclimate context of human evolution"
PIs: A. Cohen (lead) and 18 co-PIs, including **C. Campisano**

2011 5. International Continental Scientific Drilling Program (ICDP) ($1,000,000)
"The Hominin Sites and Paleolakes Drilling Project (HSPDP): Using scientific drilling to understand the paleoclimate context of human evolution"
PIs: A. Cohen (lead) and 18 co-PIs, including **C. Campisano**
ICDP only allows for single-institution submissions. The U. of Arizona is listed as the submitting institution with Andrew Cohen as the lead PI. My role is as Project co-PI, Scientific Project Manager, and Scientific Lead for the Afar site.

2008 4. Intellectual Fusion Investment Fund (ASU) ($398,038)
"Late Lessons from Early History" transdisciplinary research initiative
"Geoinformatics-based Data Integration for Study of the Pliocene Fossil-bearing Strata of the Hadar Basin (Afar Ethiopia)". http://iho.asu.edu/research/HGP
PIs: **C. Campisano**, R. Arrowsmith, W. Kimbel

2007 3. National Science Foundation SGER Grant (NSF-EAR Division) ($125,423)
"Scientific Drilling for Human Origins: Exploring the Application of Drill Core Records to Understanding Hominin Evolution", Lead PI: A. Cohen
Project role was as logistic and scientific lead for the northern Awash component. Officially listed as Senior Personnel on the proposal instead of co-PI due to my student status at the time of submission.

2. International Continental Scientific Drilling Program (ICDP) Workshop Grant ($44,000)
"Scientific Drilling for Human Origins: An ICDP Workshop Proposal to Investigate Critical Time Intervals in Hominin-Paleoenvironmental History", Lead PI: A. Cohen
Project role was as scientific lead for the northern Awash component. Officially listed as Site Survey Team on the proposal instead of co-PI due to my student status at the time of submission.

1999 1. L.S.B. Leakey Foundation Research Grant ($7,000)
"Distal Volcanism, Paleogeography, and Ecologic Stability in the Turkana Basin" (PI)

PROFESSIONAL PRESENTATIONS

Symposia Organized:

4. *Advances in Paleoecology and Paleoclimate with Emphasis on Contextualizing Human Evolutionary History* (with Chris Lepre & Cindy Liutkus-Pierce). American Geophysical Union Annual Meeting, December, 2018.

3. *Geoscience Approaches to Studying the Lineage of Human Evolution* (with Cindy Liutkus-Pierce & Chris Lepre). American Geophysical Union Annual Meeting, December, 2017.

2. *The Context of our Origins: Geological Studies of Old World Fossil Primate and Hominin Sites* (with Cindy Liutkus-Pierce & Chris Lepre). Geological Society of America Annual Meeting, September, 2016.

1. *Data Management in the 21st Century: Integrating Bio- and Geo-informatics in Physical Anthropology* (with Denné Reed). American Association of Physical Anthropology Annual Meeting, April, 2011.

Invited Workshops and Colloquia:

2022 14. **Campisano, C.J.** Paleoanthropology for geologists. ICDP workshop on Deep Drilling in the Turkana Basin (Nairobi, Kenya). July 2022

2021 13. **Campisano, C.J.** The changing landscape of hominin evolution – the view from Afar. Rutgers University Center for Human Evolutionary Studies Seminar. March 2021.

2019 12. **Campisano, C.J.** Lake Tanganyika and Hominin Evolution: Scientific Drilling Post HSPDP. ICDP workshop on The Lake Tanganyika Drilling Project (Dar es Salaam, Tanzania). June 2019

2018 11. **Campisano, C.J.** Core questions in hominin evolution: Testing environmental hypotheses via scientific drilling. Punjab University (India) "International Fossil Day" Seminar. October 2018.

10. **Campisano, C.J.** Core questions in hominin evolution: Testing environmental hypotheses via scientific drilling. Univ. of Southern California Paleosciences Research Consortium. March 2018.

2016 9. **Campisano, C.J.** HSPDP: Updates and Lessons Learned. ICDP workshop on Scientific Deep Drilling in the Chad Basin (Aix-en-Provence, France). September 2016

8. **Campisano, C.J.**, Prose, D. & La Macchia, D. A Human Climate (HSPDP 3D film and presentation). California Academy of Sciences "Origins" Nightlife series, May 2016.

2015 7. **Campisano, C.J.** Lucy and Later: Paleoanthropology and Paleoenvironments of the Ledi-Geraru region, Afar, Ethiopia. Dept. of Anthropology, UC San Diego, May 2015.

2014 6. **Campisano, C.J.** Lucy and Later: Geological and paleoenvironmental research in the Hadar and Ledi-Geraru regions of Ethiopia. Dept. of Geosciences, University of Arizona, October 2014.

5. **Campisano, C.J.** Testing core hypotheses of hominin evolution through scientific drilling. Dept. of Anatomy, Midwestern University, May 2014.

2010 4. **Campisano, C.J.** Before the Ice Age: Exploring the roles of climate and tectonic changes on mid-Pliocene hominin evolution in East Africa. Dept. of Anthropology and Archaeology, Brooklyn College, March 2010.

2009 3. **Campisano, C.J.** Paleoclimate and Human Evolution. Presented at the national workshop, "The Future of Continental Scientific Drilling: A U.S. Perspective". Denver, CO, June 2009.

2008 2. **Campisano, C.J**., Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E., Dupont-Nivet, G. & Lockwood, C.A. Continental Drilling in the Northern Awash Pliocene Depocenter. Presented at the international workshop, "Scientific Drilling for Human Origins: Exploring the Application of Drill Core Records to Understanding Hominin Evolution". Addis Ababa, Ethiopia, November 2008.

2005 1. **Campisano, C.J**. & Feibel, C.S. The Pliocene Hadar Formation in the Context of Global Climate Patterns & Variability. Presented at the international workshop, "Paleoclimates and Human Evolution". Front Royal, Virginia, November 2005.

Conference Presentations:
(Lead author listed first; mentored student author; *mentored postdoc author*)

2025 135. Robinson, J.R., Rowan, J., Lazagabaster, **Campisano, C.J**., Reed, K.E., Kimbel, W.H. Isotopic paleoecology of Early Pleistocene Homo (A.L. 666-1) and associated fauna from Hadar, lower Awash Valley, Ethiopia. *American Journal of Biological Anthropology* 186(S79), 139.

134. Redae, B., Adrian, B., **Campisano, C.J.**, Haile-Selassie, Y., Reed, K.E., Su, D. Taphonomy of Woranso-Mille and Hadar Pliocene hominin sites and implications for paleoenvironmental reconstruction. *American Journal of Biological Anthropology* 186(S79), 136.

2024 133. Mengesha, M., Saylor, B.Z., **Campisano, C.J.**, Langston, J., Mihretie, T., Haile-Selassie, Y., Levin, N.E. Isotopic evidence for spatial variation in vegetation and water stress dynamics in Mid-Pliocene in the Afar Region of Ethiopia.. Annual Meeting, American Geophysical Union, PP33F-07.

132. Arrowsmith, J R., DiMaggio, E.N., Garello, D.I., **Campisano, C.J.**, Chupik, D., Deino, A.L., Feary, D.A., Dupont-Nivet, G., Zawacki, E., Gebrehiwet, R., Rector, A.L., Reed, K.E. 3.0-2.5 Ma geologic framework at Ledi-Geraru, Lower Awash, Afar, Ethiopia. 9th Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP). Addis Ababa, Ethiopia, July 2024.

131. Lazagabaster, I.A., Reed, K.E., **Campisano, C.J.** Lucy's piglets: suid fossils from Hadar and their relevance in eastern African paleoanthropology. 9th Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP). Addis Ababa, Ethiopia, July 2024.

130. Rector, A.L., Smail, I.E., **Campisano, C.J.**, Deino, A.L., DiMaggio, E.N., Feary, D.A., Garello, D.I., Nalley, T.K., Robinson, J.R., Arrowsmith, JR., Reed, K.E. Paleoecology and faunal diversity between ~3 and 2.5 Ma in the Ledi-Geraru Research Project area, Afar Regional State, Ethiopia. 9th Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP). Addis Ababa, Ethiopia, July 2024.

129. Hirniak, J.N., Smith, E.I., Johnsen, R., Ren, M., Harris, J.A., Pearce, N.J.G., **Campisano, C.J.**, Barboni, M., Needham, E., Marean, C.W. The potential of crypto-tephrochonology studies at paleoanthropological sites throughout Africa. *PaleoAnthropology* (PAS 2024 abstracts), 161.

128. Gilbert, C.C., Singh, N.P., Sehgal, R.K., **Campisano, C.J.**, Choudhary, D., Ortiz, A., Patel, B.A., Peppe, D.J., Pugh, K.D., Patnaik, R. New insights into the diversity of the primate fauna from Chinji-aged Siwalik deposits and their implications for primate evolutionary history and biogeography. 12th North American Paleontological Convention, Ann Arbor, MI, June 2024

127. Patnaik, R., Gilbert, C.C., Cerling, T.E., Tarng, C., Patel, B.A., Choudhary, D., Singh, N.P., Sehgal, R.K., **Campisano, C.J.**, Fleagle, J.G. Niche partitioning among middle Miocene Siwalik primates from Ramnagar (J&K), India. 12th North American Paleontological Convention, Ann Arbor, MI, June 2024

126. Kirk, E.C., **Campisano, C.J.**, Deino, A.L., Egberts, S., Kemp, A.D., Lundeen, I.K., Rodwell, B. Primate postorbital morphology and the question of omomyoid phylogenetic relationships. *American Journal of Biological Anthropology* 183(S77), 86.

125. Robinson, J.R., Lazabagaster, I.A., Rowan, J., Lewis, M.E., Werdelin, L., **Campisano, C.J.**, Reed, K.E. Paleoecology of the Hadar carnivore guild: New insights from enamel stable isotopes. *American Journal of Biological Anthropology* 183(S77), 149.

124 Rowan, J., Du, A., Lundgren, E.J., Faith, J.T., Beaudrot, L., **Campisano, C.J.**, Joordens, J.C., Lazagabaster, I.A., Locke, E.M., Smail, I.E., Reed, K.E., Kamilar, J.M. Biogeographic

evolution of eastern African mammal fauas over the last 6 Myr. *American Journal of Biological Anthropology* 183(S77), 153.

2023 123. **Campisano, C.J.**, Deino, A.L. Distribution and chronostratigraphy of *Australopithecus afarensis* specimens from Hadar, Ethiopia. *American Journal of Physical Anthropology* 180(S75), 26.

122. Choudhary, D., **Campisano, C.J.**, Gilbert, C.C., Arif, M., Singh, S.P., Patel, B.A., Kumar, R., Wazir, P.K., Phartiyal, B., Patnaik, R. Paleomagnetic-based estimates of primates and associated vertebrate fauna from the middle Miocene locality of Ramnagar (Jammu and Kashmir, India). *American Journal of Physical Anthropology* 180(S75), 32.

121. Gilbert, C.C., Ortiz, A., Pugh, K.D., **Campisano, C.J.**, Patel, B.A., Singh, N.P., Fleagle, J.G., Patnaik, R. Reanalysis of *Kapi ramnagarensis* supports its classification as a stem hylobatid. *American Journal of Physical Anthropology* 180(S75), 62.

120. Patel, B.A., Di, A., Pugh, K.D., Hammond, A.S., Ortiz, A., Gilbert, C.C., **Campisano, C.J.**, Patnaik, R. Enamel thickness in the stem hylobatid *Kapi ramnagarensis*. *American Journal of Physical Anthropology* 180(S75), 136.

119. Rooney, T.O., Brown, E.L., Bastow, I.D., Arrowsmith, J R., **Campisano, C.J.** Magma generation during the ocean - continent transition: The unexpected role of the continental lithospheric mantle. Goldschmidt Annual Meeting, July 2023.

2022 118. Patel, B.A., Gilbert, C.G., Sehgal, R.K., Singh, N.P., Di, A., Choudhary, D. Wazir, W.A., **Campisano, C.J.**, Patnaik, R. (2022). A virtual repository of Lower Siwalik Miocene fossils from Ramnagar (Udhampur District, Jammu & Kashmir), India. *American Journal of Physical Anthropology* 174(S71), 142.

2021 117. Rooney, T., Arrowsmith, J.R., **Campisano, C.J.** The volcanic stratigraphy of Afar - collaborations, legacies, and new frontiers. *Geological Society of America Abstracts with Programs* 53(6), 67-1.

116. Hirniak, J.N., Smith, E.I., Johnsen, R., Ren, M., **Campisano, C.J.**, Marean, C.W. The potential for building a late Pleistocene tephrochronological framework for archaeological sites in South Africa using cryptotephra. *Geological Society of America Abstracts with Programs* 53(6), 145-11.

115. Smith, E.I., Johnsen, R., Ren, M., Hirniak, J.N., **Campisano, C.J.**, Marean, C.W. Discovery of the Youngest Toba Tuff in South Africa; challenges of extremely low abundance cryptotephra. Goldschmidt Annual Meeting, July 2021.

114. **Campisano, C.J.** Testing hypotheses of African environmental change and human evolution through scientific drilling. AAAS Annual Meeting, February 2021.

2020 113. Zawacki, E.E., Arrowsmith, J.R., **Campisano, C.J.,** Heimsath, A.M., Strecker, M.R., Feibel, C.S. ^{10}Be-derived paleoerosion rates from Northern Awash and West Turkana Hominin Sties and Paleolakes Drilling Project (HSPDP) drill cores. *Geological Society of America Abstracts with Programs* 52(6), 210-5.

112. Robinson, J.R., **Campisano, C.J**., Reed, K.E. Middle Pleistocene environments from Markaytoli (lower Awash Valley, Ethiopia) inferred from dental stable isotopes. *American Journal of Physical Anthropology*, 171(S69), 235.

2019 111. Zawacki, E.E., Arrowsmith, J R., **Campisano, C.J.**, van Soest, M.C., Hodges, K.V., Strecker, M.R., Feibel, C.S., Schaebitz, F. Evaluating sediment provenance and volcanotectonic evolution of the East African Rift System with (U-Th)/He and U/Pb laser ablation double dating of detrital zircons from Homin Sites and Paleolakes Drilling Project (HSPDP) drill cores. *Geological Society of America Abstract with Programs* 51(5), 139-13.

110. Braun, D.R., Aldeias, V., Archer, W., Arrowsmith, J R., Baraki, N., **Campisano, C.J.**, Deino, A.L., DiMaggio, E.N., Dupont-Nivet, G., Engda, B., Feary, D.A., Garello, D.I., Kerfelew, Z., McPherron, S.P., Patterson, D.B., Reeves, J.S., Thompson, J.C., Reed, K.E. Earliest known Oldowan artifacts at >2.58 Ma from Ledi Geraru, Ethiopia, highlight early technological diversity. *Proceedings of the European Society for the study of Human Evolution (PESHE)* 8, 25.

109. McPherron, S.P., Schwortz, S., Wynn, J.G., **Campisano, C.J.**, Deino, A.L., Alemseged, Z. The Middle Stone Age site of Negus Kabri, Asbole, Ethiopia. *Proceedings of the European Society for the study of Human Evolution (PESHE)* 8, 128.

108. Cohen, A.S. Billingsley, A, **Campisano, C.J.**, Lupien, R., Muiruri, V., Bernhart, R.O., Russell, J., Stockhecke, M., Yost, C. A comparative analysis of Africa Plio-Pleistocene patterns of environmental variability and biological evolutionary implications. 20th Congress of the International Union for Quaternary Research (INQUA), O-4169

107. **Campisano, C.J.**, Deino, A.L., Lepre, C.J., Kirk, E.C. New ages for old primates: a revised geochronology for the highly endemic late Uintan and early Duchesnean assemblages from the Devil's Graveyard Formation of West Texas. *American Journal of Physical Anthropology* 166(S68), 34.

2018 106. DiMaggio, E.N., Sarkawi, G., Glover, C., Polites, E., Garello, D.I., **Campisano, C.J**., Arrowsmith, R., Furman, T. Application of LA-ICP-MS to tephra correlation studies in Afar, Ethiopia. Annual Meeting, American Geophysical Union, V31H-0231.

105. Beck, C.C., van der Lubbe, J., Feibel, C.S., Joordens, J.L., Boyd, M.K., Cohen, A.S., **Campisano, C.J.** Using facies and grain-size analyses to assess feasibility of a bentonite to tephra correlation in the Kaitio Member, West Turkana, Kenya. Annual Meeting, American Geophysical Union, PP31C-1666.

104. Muiruri, V.M., Owen, R.B., Lowenstein, T.K., Renaut, R.W., Rabideaux, N., Luo S., Deino, A.L., Sier, M.J., Dupont-Nivet, G., McNulty, E.P., Leet, K., Cohen, A.S., **Campisano, C.J**., Deocampo, D., Shen, C., Billingsley, A., Mbuthia. Quaternary diatom and palynomorph stratigraphies and palaeoenvironments of the Koora Graben and Lake Magadi basin, Kenya Rift Valley. Annual Meeting, American Geophysical Union, PP22B-03.

103. Russell, J.M., Lupien, R., Cohen, A.S., Beck, C.C., **Campisano, C.J**., Castañeda, I.S., Deino, A.L., Feibel, C.S., Kingston, J., Lamb, H.F., Potts, R. Orbital-scale controls on Plio-Pleistocene African climate. Annual Meeting, American Geophysical Union, PP31A-07.

102. Cohen, A.S., Billingsley, A.L., **Campisano, C.J**., Lupien, R., Muiruri, V.M., Owen, R.B., Russell, J.M., Stockhecke, M., Yost, C.L. Records of Plio-Pleistocene environmental variability from the Hominin Sites and Paleolakes Drilling Project (HSPDP): Comparisons with other African records and implications for hominin evolution. Annual Meeting, American Geophysical Union, PP22B-06.

101. Stockhecke, M., Beck, C., Billingsley, A.L., Brown, E.T., **Campisano, C.J**., Cohen, A.S., Deino, A.L., Feibel, C.S., Owen, R.B., Kingston, J., Scott, J., Sier, M., Stone, J., Yost, C.L. High-resolution XRF-scanning records from the Hominin Sites and Paleolakes Drilling Project

(HSPDP): Plio-Pleistocene hydroclimate variability in East Africa. Annual Meeting, American Geophysical Union, PP22B-05.

100. DiMaggio, E.N., Sarkawi, G., Furman, T., Garello, D.I., **Campisano, C.J**., Arrowsmith, R., Wynn, J.G., Quade, J., Feibel, C.S. Application of LA-ICP-MS to tephra correlations in Afar, Ethiopia. *Geological Society of America Abstract with Programs* 50(6).

99. Alexander, E., Beck, C.C., Febiel, C.S., Yost, C.L., Wegter, B., Mangold, L., Cohen, A., **Campisano, C.J.** Grain size analysis of the West Turkana Kaitio (WTK13) core and implications for paleoenvironments in the Turkana Basin 1.8 to 1.3 Ma. *Geological Society of America Abstract with Programs* 50(6).

98. Deocampo, D.M., Owen, R.B., Lowenstein, T.K., Renaut, R.W., Rabideaux, N.M., Deino, A.L., Luo, S., Sier, M.J., Cohen, A.S., **Campisano, C.J.**, Billingsley, A.L., Mbuthia, A. Orbital controls of euxinia in Lake Magadi over the past 1 million years: molybdenum, arsenic, and vanadium records. *Geological Society of America Abstract with Programs* 50(6).

97. Deocampo, D.M., Rabideaux, N.M., Minkara, K. E., Davis, D.M., Ashely, G.M., Kingston, J.D., Deino, A.L., Renaut, R.W., Cohen, A.S., **Campisano, C.J.** Paleoclimate records from authigenic clays and zeolites: Examples from the Pleistocene Olduvai Gorge, Tanzania, and Pliocene Chemeron Formation, Baringo Basin, Kenya. *Geological Society of America Abstract with Programs* 50(6).

96. Reed, K.E., Feary, D.A., Rowan, J., **Campisano, C.J.** Plio-Pleistocene climate proxies and hominin evolution in East Africa. *American Journal of Physical Anthropology* 165(S66), 222.

95. Pugh, K.D., Gilbert, C.C., Patel, B.A., **Campisano, C.J**., Singh, N.P., Singleton, M., Fleagle, J., Patnaik, R. A small-bodied catarrhine from the Miocene of India: Additional evidence of an under-sampled radiation. *American Journal of Physical Anthropology* 165(S66), 215.

2017 94. Beck, C.C., Feibel, C.S., Lupien, R., Yost, C.L, Rucina, S., Russell, J.M., Deino, A.L., Sier, M, Cohen, A.S., **Campisano, C.J**. Paleoenvironmental change as seen from a multiproxy perspective in the West Turkana Kaitio core (WTK13), Kenya. Annual Meeting, American Geophysical Union, PP11F-05

93. Lupien, R., Russell, **Campisano, C.J**., Feibel, C.S., Deino, A.L., Kingston, J., Potts, R., Cohen, A.S. A synthesis of Plio-Pleistocene leaf wax biomarker records of hydrological variation in East Africa and their relationship with hominin evolution. Annual Meeting, American Geophysical Union, PP11F-03.

92. Davis, D.M., Deocampo, D. Rabideaux, N.R., **Campisano, C.J.** A mineralogical analysis of HSPDP core samples from the Northern Awash Pliocene Hadar Formation, Ethiopia: The tale of an east African paleolake. Annual Meeting, American Geophysical Union, PP13B-1081.

91. Garello, D.I., Roman, D.C., Deino, A.L., **Campisano, C.J.** Arrowsmith, J R. Geochemical characterization and correlations of upper Hadar Formation core and outcrop tephra, Northern Awash site, Hominin Sites and Paleolakes Drilling Project (HSPDP). *Geological Society of America Abstract with Programs* 49(6).

90. Zawacki, E.E., Arrowsmith, J R., **Campisano, C.J**., Strecker, M.R., Deino, A.L., Feibel, C.S., Kingston, J.D., Roberts, H.M. Modeling post-depositional accumulation of ^{10}Be in sandstones from the Hominin Sites and Paleolakes Drilling Project (HSPDP) cores for *in situ* cosmogenic radionuclide paleoerosion rate analysis. *Geological Society of America Abstract with Programs* 49(6).

89. Feibel, C.S., Beck, C.C., Lupien, R., Russell, J.M., Deino, A.L, Sier, M.J., **Campisano, C.J**., Cohen, A.S. Environmental dynamics of an early Pleistocene lake margin: the WTK13 core at Kaitio, West Turkana, Kenya. *Geological Society of America Abstract with Programs* 49(6).

88. Gilbert, C.C., Pugh, K.D., Patel, B.A., **Campisano, C.J.**, Singh, N.P., Fleagle, J.G., Patnaik, R. New small-bodied hominoid from lower Siwalik deposits surrounding Ramnagar (Jammu and Kashmir), India. *Journal of Vertebrate Paleontology*, Program and Abstracts, 118.

87. **Campisano, C.J**., Reed, K.E. Warm pools, upwellings, and an early glacial. Are "mid-Pliocene" climate transitions reflected in the eastern African records? *American Journal of Physical Anthropology* 159(S62), 136.

86. Reed, K.E., Smail, I.E., Rowan, J., *Robinson, J*., Locke, E.M., Lazagabaster, I.A., **Campisano, C.J.** Biogeography, endemism, and function trait community structure: Basinal differences in the Pliocene. *American Journal of Physical Anthropology* 159(S62), 329.

85. Lazagabaster, I.A., *Robinson, J.R*., **Campisano, C.J.**, Reed, K.E. Diversity, abundance, and paleoecology of East African suidae in the context of hominin evolution during the Pliocene. *American Journal of Physical Anthropology* 159(S62), 258.

84. Gilbert, C.C., Patel, B.A., Singh, N.P., **Campisano, C.J**., Fleagle, J.G., Rust, K.L., Pugh, K.D., Patnaik, R. New fossil primates from the Lower Siwaliks of India. *American Journal of Physical Anthropology* 159(S62), 193.

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MEDIA

Comprehensive list of media coverage for the Ledi-Geraru earliest Oldowan stone tool discovery (Braun et al., 2019): https://iho.asu.edu/2019-media-coverage

Comprehensive list of media coverage for the Ledi-Geraru early *Homo* mandible discovery (Villmoare et al., 2015; DiMaggio et al., 2015): https://iho.asu.edu/news-events/news-coverage-ledi-geraru-jawbone-march-2015

A Human Climate, a 3-D film about the HSPDP research by Earth Images Foundation, supported by grants from NSF and ICDP (including to C. Campisano) on display at museums in Kenya, Ethiopia, and the USA http://youtu.be/B1iU0fBTfUw (2-D).
Climate of the Hominins, an expanded full length film aired on PBS stations (2019/2020) and available on Amazon.

Gibbons, A. (2014). How a fickle climate made us human. *Science* 341, 474-497.
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Includes coverage of the design and early drilling stages of the HSPDP.

RESEARCH

Research Interests:

Paleoenvironmental reconstructions of terrestrial depositional systems
Hominoid and hominid evolution
Tephrostratigraphy and geochronology
Paleoecology of Plio-Pleistocene Old World mammals
Volcanic hazards in modern and paleo-landscapes

Current Major Projects:

1) Geological research and paleoenvironmental analysis of the Plio-Pleistocene Hadar and Busidima Formations, Afar, Ethiopia. Hadar Research Project (project director), Ledi-Geraru Research Project (project geologist), and Dikika Research Project.

2) Continental drilling of paleolake basins in Ethiopia and Kenya for environmental records relevant to hominin evolution (N. Awash, W. Turkana, Olorgesailie, Lake Magadi, Baringo, Chew Bahir). Scientific project manager, N. Awash site director, and tephrostratigraphy lead. http://hspdp.asu.edu/

3) Construction of a geospatial database of the Hadar region (Ethiopia) to integrate disparate paleoanthropological and geological datasets for research, education, and conservation. http://iho.asu.edu/research/HGP

4) Refined geology of the Eocene Devil's Graveyard Formation, Brewster County, Texas. http://tinyurl.com/texaseocene

Field Experience:

2015-present	Geological and paleontological research and survey (Miocene) in the Ramnagar region, Jammu and Kashmir State, India.
2011-present	Geological research (Eocene-Oligocene) in the Devil's Graveyard Formation, Brewster Co., Texas
2005-present	Geological and paleontological research (Plio-Pleistocene) in the Ledi-Geraru region, Afar Regional State, Ethiopia (project geologist, formerly project co-director).
2001-present	Project Director (since 2022) and project geologist (2007-2022) - Hadar Research Project, Afar Regional State, Ethiopia.
2023	Geological and paleontological survey (Miocene) in east Turkana, Kenya
2018-2022	Geological and paleontological survey (Plio-Pleistocene) in eastern Laikipia County, Kenya.
2017	Geological and paleontological survey (Eocene) in the Great Divide Basin, Wyoming.
2015-2016	Paleontological survey (Pleistocene) of the municipality of Tequixquic, Mexico.
2013-2014	Paleolake scientific drilling (Pliocene-Modern) in Kenya and Ethiopia rift basins (project co-director).
2010	Stratigraphic and geochronological research (Plio-Pleistocene) at Dikika, Afar Regional State, Ethiopia.
2010	Paleontological excavation (Pliocene) at Langebaanweg, South Africa.
2008	Survey and seismics team - continental drilling of paleolake basins in relation to hominin evolution (Ledi-Geraru, W. Turkana, Olorgesailie, Lake Magadi).
2006	Preliminary geological and paleontological survey (Plio-Pleistocene) in the Bala/Weyto River region, Chew Bahir rift, Ethiopia.

2004 & 2005	Olorgesailie Microstratigraphy and Taphonomy Field Course. Co-sponsored by the National Science Foundation, the Smithsonian Institution, and the National Museums of Kenya.
2003-2004	Cultural Resource Consulting Group (CRCG) site excavator. Mid-Atlantic historic and prehistoric sites.
2003	Geological and paleontological research (Plio-Pleistocene) in the Koobi Fora Formation, northern Kenya.
2003	Geomorphological research in the Makapansgat Valley, South Africa.
1999	Geological and archaeological research (Plio-Pleistocene) in the Turkana Basin (Koobi Fora and West Turkana), northern Kenya
1999	Cultural Resource Consulting Group (CRCG) site excavator. Mid-Atlantic historic and prehistoric sites.
1996	The Koobi Fora Field School. Co-sponsored by Harvard University and the National Museums of Kenya.

FELLOWSHIPS AND AWARDS

2025	SHESC Undergraduate Teaching Award
2012	Devils' Advocate "Apple Polisher Award" for service and teaching.
2006	Predoctoral Fellowship - Smithsonian Institution (extension)
2005	Predoctoral Fellowship - Smithsonian Institution
1998-2003	Graduate Fellow - Rutgers University, Department of Anthropology

TEACHING EXPERIENCE

(* indicates developed course)

Arizona State University:

Bones, Stone, and Human Evolution – ASM 104 (online ~650 students; hybrid ~100 students). Introduction to biological anthropology, required for Anthropology majors

*Anthropological Sciences Seminar** – ASM 300 (in-person and online ~30 students) Highlights the diversity of research conducted under the umbrella of anthropology, required Anthropology B.S. majors

Human Impacts on Ancient Environments – ASB 326 (in-person, ~40 students) Elective course for undergraduates interested in how human have modified the planet over the last 10,000 years

*Geoarchaeology** – ASM 350 (in-person, 30-60 students; online ~100 students) Elective course for undergraduates interested in geological methods applied to the archaeological record

*Hadar Paleoanthropology Field School** – ASM 394 (in-person, ~20 students) 6-week onsite teaching and training in paleoecology, evolutionary anatomy, archeology, and geology at Hadar, Ethiopia (Fall 2007, Fall 2009)

*Geochronology & Paleoenvironmental Reconstruction** – ASM 591 (in-person, 5-15 students). Graduate seminar focusing on student selected topics

*Cenozoic Climate Change & Primate Evolution** – ASM 494/591(in-person, 5-15 students). Graduate and advanced undergraduate seminar focusing on global change and primate evolution

Other Institutions:
Olorgesailie Microstratigraphy & Taphonomy Field Course (Kenya), Smithsonian Institution & National Museums of Kenya, Student Instructor (2004, 2005)
Expository Writing, Rutgers University, Instructor (2004)
Introduction to Archaeology (lecture and labs), Rutgers University, Teaching Assistant (2003, 2004)

MENTORING

* Indicates committee chair/co-chair. Degree, year in parentheses.

Current – Graduate:
Daniel Chupik* (PhD) Jayde Hirniak (PhD)
Linet Sankau* (PhD) Brenton Adrian (PhD)

Previous – Postdoctoral:
Chad Yost (2019-2020) Current position: Assistant Professor, Earth & Environmental Systems, Indiana State University
Joshua Robinson (2015-2017) Current position: Lecturer, Anthropology, Boston University

Previous – Graduate:
Eunice Lalunio* (MA, 2022) Current position: PhD Student, Archaeology, La Trobe University
Emily Zawacki* (PhD, 2021) Current position: Science Communications Associate, EarthScope Consortium
Irene Smail (PhD, 2021) Current position: Assistant Professor, Anatomy, West Virginia School of Osteopathic Medicine
Chalachew Seyoum (PhD, 2020) Current position: Assistant Professor, Medical Sciences, University of Arizona College of Medicine
Dominique Garello* (PhD, 2019) Current position: Lecturer, Geology & Geophysics, Louisiana State University
Jacob Harris (PhD, 2019) Current position: Arizona State University
John Rowan (PhD, 2018) Current position: Assistant Professor, Archaeology, Cambridge University
Charles Withnell* (MA, 2015) Current position: Assistant Professor, Anatomy, Texas Christian University
Laura Stroik (PhD, 2014) Current position: Associate Professor, Biomedical Sciences, Grand Valley State University

Previous – Undergraduate (Research or Honors):
Julia Curtiss* (BS, 2024) Cali Trammell* (BS, 2019)
Kelsey Vaughan* (BS, 2014) Daniela Oliverio-Lauderdale* (BA, 2011)
Amelia Villaseñor (BA, 2008)

PROFESSIONAL SERVICE

Editorial Board:
Journal of Human Evolution – Associate Editor, 2023-2025

Journal Peer Reviewer:
Elements *eLife* *Evolutionary Anthropology*
Geoarchaeology *Geological Society of America Bulletin*
Geology *Journal of Human Evolution* *Nature Education*
Palaeogeography, Palaeoclimatology, Palaeoecology *Quaternary Research*
Quaternary Science Reviews *Science Advances* *Scientific Data*

Edited Volume Chapter Peer Reviewer:
Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecosystems (D. Su, D. Croft & S. Simpson, Eds.)
African Paleoecology and Human Evolution (S. Reynolds & R. Bobe, Eds.)
The Postcranial Anatomy of Australopithecus afarensis (Y. Hailie-Selassie & D.F. Su, Eds.)
The Paleobiology of Australopithecus (K. Reed, J. Fleagle & R. Leakey, Eds.)
Early Hominin Paleoecology (M. Sponheimer, J. Lee-Thorp, K. Reed, P. Ungar, Eds.)
The Geological Context of Human Evolution in the Horn of Africa (J. Quade & J. Wynn, Eds.)

Grant Reviewer:
Austrian Science Fund Leakey Foundation National Geographic Society
National Science Foundation NSF Biological Anthropology DDRIG Panel Member

National and Regional Organizations:
2015- NSF CSDCO (Continental Scientific Drilling Coordination Office). Science Committee
2010-2013 DOSECC (Drilling, Observation and Sampling of the Earth's Continental Crust). Science Planning Committee

Misc. Organizations:
2013- ARVRC (African Rift Valley Research Consortium). Working Group Leader (Stratigraphy and Dating)
2013- PaleoCore (NSF-funded). Standards Contributor (Geological Context)
2008 Scientific Drilling for Human Origins: Exploring the Application of Drill Core Records to Understanding Hominid Evolution (ICDP Workshop. Addis Ababa, Ethiopia). Steering Committee.

Department/School:
2019- Director of Undergraduate Studies
2016-2019 Personnel Committee
2014-2016 Research Committee
2010-2014 Undergraduate Committee

College:
2020- Office of the Dean, Digital Initiatives Committee

University:
2021-2024 University Senate, Digitally Enhanced Teaching and Learning Committee

PROFESSIONAL AFFILIATIONS

American Association of Biological Anthropologists
American Geophysical Union
East African Association for Paleoanthropology and Paleontology
Geological Society of America
Paleoanthropology Society
Society for Sedimentary Geology