

Christopher James Campisano

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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*

- 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>

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 dehydroxylate clays? Testing a key assumption underlying ceramic rehydroxylation 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., Mbutia, 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 Paleanthropological 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., Lockwood, 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., Behrensmeier, A.K., **Campisano, C.J.**, Feibel, C.S., Fisseha, S., Johnson, R., Bedaso, Z., Lockwood, 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. Clyde, 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: \$14,916,867 **External Funding Administered by ASU: \$7,260,559**
Campisano ASU Recognition: \$1,332,796

- 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 Paleocology 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:

- 2020** 11. **Campisano, C.J.** The changing landscape of hominin evolution – the view from Afar. Rutgers University Center for Human Evolutionary Studies Seminar. March 2020.
- 2018** 10. **Campisano, C.J.** Core questions in hominin evolution: Testing environmental hypotheses via scientific drilling. Punjab University (India) “International Fossil Day” Seminar. October 2018.
9. **Campisano, C.J.** Core questions in hominin evolution: Testing environmental hypotheses via scientific drilling. Univ. of Southern California Paleosciences Research Consortium. March 2018.
- 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*)

- 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., Schwartz, 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 Koorra 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., Feibel, 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 ¹⁰Be 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.
83. Drapeau, M.S., Wynn, J.G., Geraads, D, Dumouchel, L., **Campisano, C.J.**, Bobe, R. Reinvestigation of the ~4 Ma Yellow Sands of the Mursi Formation. *American Journal of Physical Anthropology* 159(S62), 165
- 2016** 82. DiMaggio, E.N., Arrowsmith, J R., **Campisano, C.J.**, Garello, D.G. Trace element investigation of tephras from the Ledi-Geraru paleontological site in Afar, Ethiopia. *Eos, Transactions* (AGU Fall Meeting suppl. T51C-2919).
81. Smail, I.E., Rector, A.L., Garello, D.I., Locke, E.M., Campisano, C.J., Arrowsmith, J R. & Reed, K.E. Pleistocene Primates and Rodentia from Markaytoli, lower Awash valley, Ethiopia: Taphonomic and paleoenvironmental implications. *Journal of Vertebrate Paleontology*, Program and Abstracts, 225.
80. Lazagabaster, I.A., Rowan, J., Garello, D.I., Campisano, C.J., Arrowsmith, J R. & Reed, K.E. Fossil Artiodactyla (Mammalia) from Markaytoli, a new Middle Pleistocene site in the lower Awash valley, Ethiopia. *Journal of Vertebrate Paleontology*, Program and Abstracts, 173.

79. Kirk, E.C., Atwater, A.L., Campisano, C.J. & Egberts, S. A new primate partial cranial specimen from the Late Middle Eocene of the Tornillo Basin, Texas. *Journal of Vertebrate Paleontology*, Program and Abstracts, 167.
78. Robinson, J.R., Rowan, J., Campisano, C.J., Wynn, J.G. & Reed, K.E. Origins of the genus *Homo* and expansion of C4-dominated environments during the latest Pliocene in the lower Awash valley, Ethiopia. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-279004>
77. Garello, D.I., Deino, A.L., Campisano, C.J., Kingston, J.D. & Arrowsmith, J.R. An update on the Chemeron Formation tephrochronology: Challenges in correlating the Baringo-Tugen Hills Hominin Sites and Paleolakes Drilling Project (HSPDP) core tephra to outcrop tephra. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-284866>
76. Stone, J.R., Mohan, J. & Campisano, C.J. The fossil diatom record of Paleolake Hadar. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-285592>
75. Davis, D., Deocampo, D.M., Rabideaux, N. & Campisano, C.J. A mineralogical analysis of HSPDP core samples from the Northern Awash: Pliocene Hadar Formation, Ethiopia. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-279975>
74. Mohan, J., Stone, J.R. & Campisano, C.J. Diatoms from the Pliocene Hadar Formation, Afar Depression, Ethiopia. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-287723>
73. Beck, C.C., Feibel, C.S., Gravina, A.N., Van der Lubbe, J.H., Joordens, J.C., Cohen, A.S. & Campisano, C.J. What do you do with “homogenous” fine-grained intervals? Lessons learned from comparing facies and ostracod records between core and outcrop, West Turkana, Kenya. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-278334>
72. Feibel, C.S., Beck, C.C., Van der Lubbe, J.H., Joordens, J.C., Sier, M.J., Beverly, E.J., Campisano, C.J. & Cohen, A.S. The Lorenyang Lake at Kaitio: Outcrop and core perspectives on an Early Pleistocene lake margin. *Geological Society of America Abstract with Programs* 48(7). <http://dx.doi.org/10.1130/abs/2016AM-278275>
71. Sier, M., Beck, C., Van der Lubbe, J., Joordens, J., Dupont-Nivet, G., Langereis, C., Vonhof, H., Cohen, A., Olago, D., Campisano, C., Feibel, C. Geochronological correlation of Turkana Basin core and outcrop. Paleoclimate and environmental reconstruction in Early-Middle Pleistocene East Africa. Proceedings of the European Society for the study of Human Evolution (PESHE) 5, 222.
70. Stone, J.R., Mohan, J. & Campisano, C.J. Pliocene diatom record of Paleolake Hadar in the Afar Depression, Ethiopia. *Program & Abstracts, 24th International Diatom Symposium*, 230.
69. Joordens, J., Beck, C., Sier, M., Van der Lubbe, J., Dupont-Nivet, G., Langereis, C., Vonhof, H., Cohen, A., Olago, D., Campisano, C., Feibel, C. Climate-driven lacustrine dynamics from the Early Pleistocene Lorenyang Lake, Turkana Basin, Kenya. *Geophysical Research Abstracts* (EGU 2016 General Assembly) 18, EGU2016-6618-1.
68. Sier, M., Beck, C., Van der Lubbe, J., Joordens, J., Dupont-Nivet, G., Langereis, C., Vonhof, H., Cohen, A., Olago, D., Campisano, C., Feibel, C. The Pleistocene continental core WTK-13

from the Turkana Basin (Kenya) and its correlation to both climate and the paleoanthropological record. Nederlands Aardwetenschappelijk Congres. Veldhoven, The Netherlands, April 2016.

67. Mohan, J., Stone, J.R., Campisano, C.J. & Cohen, A.S. Diatoms from Afar: Novel species of Bacillariophyceae (Diatoms) from the Pliocene Hadar Formation, Ethiopia. *Geological Society of America Abstract with Programs* 48(5). <http://dx.doi.org/10.1130/abs/2016NC-275187>

66. Rowan, J., Locke, E.M., Robinson, J.R., Campisano, C.J., Wynn, J.G. & Reed, K.E. Dietary shifts in the giraffid *Sivatherium* and paleoenvironmental differences between the Afar and Turkana Basins during the late Pliocene. *PaleoAnthropology* (PAS 2016 abstracts), A26.

65. Reed, K.E., Campisano, C.J., Lazagabaster, I.A., Locke, E.M., Robinson, J.R., Rowan, J. & Smail, I.E. Changes in community ecology from 3.4-2.0 Ma in the lower Awash valley: Implications for hominin paleobiology. *PaleoAnthropology* (PAS 2016 abstracts), A24-A25.

64. Kirk, E.C., Atwater, A.L., Campisano, C.J., Egberts, S & Lundeen, I.K. An Eocene primate frontal from the Devil's Graveyard Formation, Texas. *American Journal of Physical Anthropology* 159(S62), 191.

2015 63. Garello, D.I., Deino, A.L., **Campisano, C.J.**, Kingston, J.D., Arrowsmith, J.R. & Hill, A. Tephrochronology of the East African Baringo-Tugen Hills cores: Hominin Sites and Paleolakes Drilling Project (HSPDP). *Eos, Transactions* (AGU Fall Meeting suppl. PP13C-2307)

62. Garello, D.I., **Campisano, C.J.**, Wynn, J.G., Arrowsmith, J.R. & Deino, A.L. Tephrochronology and depositional environments of the Hadar Formation from the northern Awash cores of the Hominin Sites and Paleolakes Drilling Project (HSPDP). *Geological Society of America Abstract with Programs* 47(7), 286.

61. DiMaggio, E.N., **Campisano, C.J.**, Rowan, J., Dupont-Nivet, G., Deino, A.L., Garello, D.I., Reed, K.E. & Arrowsmith, J.R. Late Pliocene fossiliferous sedimentary record and the environmental context of early *Homo* from Afar, Ethiopia. *Geological Society of America Abstract with Programs* 47(7), 287.

60. Rector, A.L., **Campisano, C.J.** & O'Neill, Kelsey, D. Late Miocene and Pliocene hominin biogeography: Comparative analyses of eastern and southern African fauna. *Geological Society of America Abstract with Programs* 47(7), 29.

59. Kingston, J.D., Deino, A.L., Hill, A., **Campisano, C.J.**, Garello, D.I., Sier, M.J., Yost, C.L., Stone, J.R., Cohen, A.S. & Billingsley, A.L. A Plio-Pleistocene drill core from the Baringo Basin, central Kenyan rift valley. *Geological Society of America Abstract with Programs* 47(7), 286.

58. Feibel, C.S., Beck, C.C., Stockhecke, M., Gravina, A., Ortiz, K., **Campisano, C.J.** & Cohen, A.S. Seeing deeper into the mud: Insights from the WTK13 core, West Turkana, Kenya. *Geological Society of America Abstract with Programs* 47(7), 287.

57. Ortiz, K., Arrowsmith, J.R., Cohen, A.S., Feibel, C.S., Deino, A.L., Hill, A., Beck, C.C., **Campisano, C.J.**, Valachovic, J. & Kingston, J.D. Paleoclimate and Paleoenvironmental forcing on early humans: LOI analysis of three HSPDP drill core sites in Kenya and Ethiopia. *Geological Society of America Abstract with Programs* 47(7), 368.

56. Aguiar, A., Deocampo, D.M., Rabideaux, N.M. & **Campisano, C.J.** Mineralogical analysis of the Ethiopian Rift: Examples from the HSPDP Hadar Formation. *Geological Society of America Abstract with Programs* 47(7), 740.
55. Locke, E.J., Rowan, J., **Campisano, C.J.**, & Reed, K.E. Fossil Giraffidae (Mammalia, Artiodactyla) from 2.8 Ma sediments at Lee Adoyta, Ledi-Geraru: Implications for the paleobiology of *Sivatherium maurusium*. *Journal of Vertebrate Paleontology*, Program and Abstracts, 166.
54. Beck, C.C., Feibel, C.S., Hendek, R.L., Cohen, A.S. & **Campisano, C.J.** A facies interpretation of the Hominin Sites and Paleolakes Drilling Project West Turkana core: Dynamic fluctuations on a shallow lacustrine margin. 6th International Limnogeology Congress. Reno, NV, June 2015.
53. Cohen, A.S., **Campisano, C.J.**, Asrat, A., Arrowsmith, JR., Deino, A., Feibel, C.S., Foerster, V., Hill, A., Ivory, S., Kingston, J., Lamb, H., Lowenstein, T., Olago, D., Owen, R.B., Renaut, R., Schäbitz, F., and the HSPDP Project Members. Initial results of the Hominin Sites and Paleolakes Drilling Project (HSPDP): Collection and interpretation of high resolution lacustrine drill cores from key Plio-Pleistocene paleoanthropological sites in East Africa. International Union for Quaternary Science (INQUA) Congress, Nagoya, Japan.
52. **Campisano, C.J.**, Cohen, A.S., Arrowsmith, J.R., Asrat, A., Feibel, C.S., Ivory, S.J., Kingston, J.D., Lamb, H.F., Olago, D.O., Owen, R.B., Renaut, R.W. & Schäbitz, F. Drilling campaign summary and preliminary results of the Hominin Sites and Paleolakes Drilling Project (HSPDP). *PaleoAnthropology* (PAS 2015 abstracts), A5.
51. Rowan, J., Reed, K.E., Du, A., Locke, E.M., Smail, I.E., **Campisano, C.J.** & Lazagabaster, I.A. Fossil mammals reveal patterns of inter- and intra-basinal endemism in eastern Africa, ca. 4 to 1 Ma: Implications for hominin biogeography. *PaleoAnthropology* (PAS 2015 abstracts), A29.
50. Reed, K.E., DiMaggio, E.N., **Campisano, C.J.**, Rowan, J., Dupont-Nivet, G. Deino, A., Bibi, F., Lewis, M., Souron, A., Werdelin, L., Arrowsmith, J.R., Villmoare, B., Kimbel, W.H., Seyoum, C. & Braun, D. Paleoanthropology of the Ledi-Geraru, Afar Regional State, Ethiopia. *PaleoAnthropology* (PAS 2015 abstracts), A27.
49. Cohen, A.S., **Campisano, C.J.**, Asrat, A., Arrowsmith, J.R., Deino, A., Feibel, C.S., Hill, A., Kingston, J., Lamb, H.F., Lowenstein, T., Olago, D.O., Owen, R., Renaut, R., Schäbitz, F., Trauth, M. The Hominin Sites and Paleolakes Drilling Project (HSPDP): Understanding the paleoenvironmental and paleoclimatic context of human origins through continental drilling. *Geophysical Research Abstracts* (EGU 2015 General Assembly) 17, EGU2015-3134.
48. Cohen, A.S., **Campisano, C.J.**, Asrat, A., Deino, A., Feibel, C.S., Hill, A., Kingston, J., Lamb, H.F., Lowenstein, T., Olago, D.O., Owen, R., Renaut, R., Schäbitz, F., Tiercelin, J.J. & Wynn, J.G. The Hominin Sites and Paleolakes Drilling Project (HSPDP): Collecting paleolake drill cores from the East African Rift Valley to document the environmental context of human origins. African Quaternary (AfQUA) 2015 Inaugural Conference. Cape Town, S. Africa, February 2015.
- 2014** 47. DiMaggio, E.N., Arrowsmith, J.R., **Campisano, C.J.**, Johnson, R., Deino, A.L., Warren, M., Fisseha, S. & Cohen, A.S. Investigations of young (<2.94 Ma) Hadar Formation deposits and their implications for basin development in southern Afar, Ethiopia. *Eos, Transactions* (AGU Fall Meeting suppl. T53B-4681).

46. **Campisano, C.J.**, Cohen, A.S., Asrat, A., Feibel, C.S., Kingston, J.D., Lamb, H.F., Olago, D.O., Owen, R.B., Renaut, R.W. & Schäbitz, F. The Hominin Sites and Paleolakes Drilling Project (HSPDP) drilling campaigns: The trials and triumphs of trying the unique and new. *Geological Society of America Abstract with Programs* 46(6), 710.
45. Beck, C.C., Feibel, C.S., Henderek, R.L., Gravina, A., Sier, M.J., Cohen, A.S. & **Campisano, C.J.** A Fluctuating Pleistocene lake margin: Updates from the HSPDP West Turkana Kaitio drill leg. *Geological Society of America Abstract with Programs* 46(6), 710.
44. Yost, C.L., Cohen, A.S., Feibel, C.S. & **Campisano, C.J.** Preliminary phytolith results from the early Pleistocene West Turkana, Kenya, drill core of the Hominin Sites and Paleolakes Drilling Project (HSPDP). *Geological Society of America Abstract with Programs* 46(6), 711.
- 2013** 43. **Campisano, C.J.**, Kirk, E.C., Townsend, K.E.B., Deino, A. & McDowell, F. 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. *Journal of Vertebrate Paleontology*, Program and Abstracts, 100.
42. Cohen, A.S., Asrat, A., **Campisano, C.J.**, Feibel, C.S., Ivory, S.J., Kingston, J.D., Lamb, H.F., Olago, D.O., Renaut, R. & Schäbitz, F. The Hominin Sites and Paleolakes Drilling Project (HSPDP): Documenting the paleoenvironmental context of human origins in East Africa through scientific drilling. *Geological Society of America Abstract with Programs* 45(7), 753.
41. Garello, D.I., Arrowsmith, J.R., **Campisano, C.J.**, Dupont-Nivet, G. & DiMaggio, E.N. Depositional environment reconstruction from stratigraphic analysis of the Markay-toli sedimentary rift basin, southern Afar depression, Ethiopia. *Geological Society of America Abstract with Programs* 45(7), 616.
40. DiMaggio, E.N., Arrowsmith, J.R., **Campisano, C.J.** & Deino, A.L. Tephrochronology of rare Plio-Pleistocene fossiliferous strata in south-central Afar, Ethiopia. *Eos, Transactions (AGU Fall Meeting suppl.)*.
39. Drapeau, M., Bobe, R., Wynn, J.G. & **Campisano, C.J.** Paleontology of the Mursi Formation, Lower Omo Valley, Ethiopia. *PaleoAnthropology (PAS 2013 abstracts)*, A10.
- 2012** 38. DiMaggio, E.N., Arrowsmith, J.R., **Campisano, C.J.**, Reed, K.E. & Deino, A.L. Late Pliocene – Early Pleistocene geologic history of Eastern Ledi-Geraru, Ethiopia: implications for the evolution of the southern Afar Depression and hominin paleoenvironments. *Eos, Transactions* 93 (AGU Fall Meeting suppl.).
37. Rector, A.L, Reed, K.E. & **Campisano, C.J.** Integrating ecological proxies to understand the distribution of woody plants in African environments. *American Journal of Physical Anthropology* 147(S54), 245-246.
- 2011** 36. DiMaggio, E.N., Arrowsmith, J.R., **Campisano, C.J.** & Deino, A.L. Ar/Ar radiometric ages of rare Plio-Pleistocene strata for interpreting basin evolution and hominin paleoenvironments in southern Afar, Ethiopia. *Geological Society of America Abstract with Programs* 43(5), 336.
35. Lemar, S., Mitra, A. & **Campisano, C.J.** Developing similar applications for totally dissimilar audiences. ESRI Southwest User Conference. Mesa, AZ, November 2011.
34. **Campisano, C.J.**, Lemar, S., Mitra, A., Thompson, E., Arrowsmith, J.R., Kim, J.G., Reed, K.E. & Kimbel, W. Google Earth and the Hadar Geoinformatics Project: an integrated data

- visualization platform for research and education in paleoanthropology. 3rd Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP). Addis Ababa, Ethiopia, August 2011.
33. Reed, K.E. & **Campisano, C.J.** Hominin and other mammalian distributions at regional and continental scales in the Plio-Pleistocene of Africa. 3rd Conference of the East African Association for Paleoanthropology and Paleontology (EAAPP). Addis Ababa, Ethiopia, August 2011.
32. Reed, K.E. & **Campisano, C.J.** Early hominins through time and space: local, regional and pan-African habitats and biogeography. *American Journal of Physical Anthropology* 144(S52), 250.
31. Bobe, R., Behrensmeyer, A.K., **Campisano, C.**, Levin, N., Hakala, S., Patterson, D. & Villaseñor, A. The Turkana Basin 3.4 million years ago. *American Journal of Physical Anthropology* 144(S52), 92.
30. **Campisano, C.J.**, Lemar, S., Mitra, A., Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E. & Kimbel, W. Google Earth and ArcGIS Server as database sharing tools for research and education in paleoanthropology: examples from the Hadar Geoinformatics Project. *American Journal of Physical Anthropology* 144(S52), 103.
29. Potts, R., Tocheri, M.W., Tryon, C.A., Kovarovic, K., **Campisano, C.J.**, Walton, N., Halvorsen, B., Bjorkevold, L. & Hodnefjell, A. The Smithsonian Institution's Human Origins Program Database: development, accessibility, and goals for research and education. *American Journal of Physical Anthropology* 144(S52), 242.
- 2010**
28. **Campisano, C.J.**, Wynn, J.G., Arrowsmith, J.R., DiMaggio, E.N., Dupont-Nivet, G. & Sier, M. The Hadar basin lacustrine record: Tectonic and climatic influences on *Australopithecus afarensis* habitats. *Geological Society of America Abstracts with Programs* 42(5), 405. *Invited presentation
27. **Campisano, C.J.**, DiMaggio, E.N., & Arrowsmith, J.R. From chronostratigraphy to paleogeography: multi-aspect tephra studies from the Hadar region of Ethiopia. 18th International Sedimentological Congress. Mendoza, Argentina, September 2010.
26. DiMaggio, E.N., Arrowsmith, J.R., **Campisano, C.J.**, & Reed, K.E. (2010). The geology of the eastern Hadar Basin, Afar Depression, Ethiopia and its translation into the classroom. NSF GK-12 Annual Meeting. Washington DC, March 2010.
- 2009**
25. Kimbel, W.H., **Campisano, C.J.**, Reed, K.E. & Hovers, E. Research results from the Hadar Paleoanthropology Field School (2007). *PaleoAnthropology* (PAS 2009 abstracts), A19.
24. DiMaggio, E.N., Arrowsmith, J.R., Reed, K.E. & **Campisano, C.J.** Filling the temporal gap in Plio-Pleistocene sedimentological records from the southern Afar Depression, Ethiopia. *Eos, Transactions* 90 (AGU Fall Meeting suppl.).
23. Cohen, A.S, Arrowsmith, J.R., Behrensmeyer, A.K., **Campisano, C.J.**, Feibel, C.S., Fisseha, S., Johnson, R.A., Kingston, J., Kubsza, Z., Lamb, H., Mbua, E., Olago, D., Potts, R., Renaut, R., Schaebitz, F., Tiercelin, J., Trauth, M.H., WoldeGabriel, G. & Umer, M. The Hominin Sites and Paleolakes Drilling Project: Using high resolution paleoclimate records from African lake deposits to interpret human evolution. *Eos, Transactions* 90 (AGU Fall Meeting suppl.).

- 2008** 22. **Campisano, C.J.**, DiMaggio, E.N., Arrowsmith, J.R., Kimbel, W.H., Reed, K.E., Robinson, S.E. & Schoville, B.J. Merging disparate data sources into a paleoanthropological geodatabase for research, education, and conservation in the greater Hadar region (Afar, Ethiopia). *Eos, Transactions* 89(53) (AGU Fall Meeting suppl.).
21. DiMaggio, E.N., **Campisano, C.J.**, Arrowsmith, J.R., Dupont-Nivet, G., Johnson, R.A. & Warren, M.B. Sedimentary basin structure of the Hadar Formation's lacustrine-dominated depocenter (Ledi-Geraru, Afar, Ethiopia) and its relevance for investigating hominin paleoenvironments. *Eos, Transactions* 89(53) (AGU Fall Meeting suppl.).
20. Werdelin, L. & **Campisano, C.J.** Hominin evolution and environmental change. 33rd International Geological Congress. Oslo, Norway, August 2008. *Invited presentation
19. Hovers, E., **Campisano, C.J.**, & Feibel, C.S. Patterns of land use by late Pliocene hominins at Hadar, Ethiopia. *PaleoAnthropology* (PAS 2008 abstracts), A14.
18. **Campisano, C.J.** & Reed, K.E. Has the sun set on the savanna? Environmental determinants and the evolution of bipedality. *American Journal of Physical Anthropology* 135(S46), 75. *Invited presentation
17. Reed, K.E. & **Campisano, C.J.** Mio-Pliocene African habitats: local and regional contexts for the earliest bipeds. *American Journal of Physical Anthropology* 135(S46), 178. *Invited presentation
16. DiMaggio, E.N., **Campisano, C.J.**, Arrowsmith, J.R. & Clarke, A.B. Volcanic characterization and depositional environments of the BKT-2 volcanic complex in Afar, Ethiopia. IAVCEI General Assembly. Reykjavik, Iceland, August 2008.
- 2007** 15. Sier, M., Dupont-Nivet, G., **Campisano, C.J.**, Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E., Lockwood, C.A., Franke, C., & Hüsing, S. Magnetostratigraphy of the hominin-bearing Hadar Formation (Ledi-Geraru, Ethiopia), and regional evidence for environmental change ca. 3.2 Ma. *Eos, Transactions* 88(52) (AGU Fall Meeting suppl.).
14. DiMaggio, E.N., **Campisano, C.J.**, Arrowsmith, J.R., & Clarke, A.B. Depositional environments and volcanic characterization of the BKT-2 volcanic complex in Afar, Ethiopia. *Geological Society of America Abstracts with Programs* 39(6), 173.
13. **Campisano, C.J.** & Reed, K. Spatial and temporal patterns of *Australopithecus afarensis* habitats at Hadar, Ethiopia. *PaleoAnthropology* (PAS 2007 abstracts), A6.
12. Cohen, A., Behrensmeyer, A.K., **Campisano, C.J.**, Feibel, C.S., Kubsa, Z., Johnson, R., Olago, D., Potts, R., & Renaut, R. Drilling African lake beds to improve our understanding of human origins: A frontier scientific drilling initiative and research direction in limnogeology. 4th International Limnogeology Congress. Barcelona, Spain, July 2007.
- 2006** 11. DiMaggio, E.N., **Campisano, C.J.**, Arrowsmith, J.R., Reed, K.E., & Lockwood, C.A. Geochemistry and Tephrochronology of the BKT-2 and Kada Hadar Tephros in the Middle Ledi-Geraru Region of Afar, Ethiopia. *Eos, Transactions* 87(52) (AGU Fall Meeting suppl.).

10. **Campisano, C.J.** & Behrensmeyer, A.K. The roles of synchronicity, correlation, and causation in hypotheses linking climate change and hominin evolution. *PaleoAnthropology* (PAS 2005 abstracts), A54.
9. **Campisano, C.J.** & Feibel, C.S. Constructing a stratigraphic framework for East African hominid localities: A case study in the application of tephrostratigraphy. American Association of Petroleum Geologists (AAPG) Annual Convention. Houston, Texas, April 2006
- 2005** 8. Behrensmeyer, A.K., Bobe, R., & **Campisano, C.J.** Change through time in mammalian abundance and diversity in the East African Mio-Pleistocene fossil record. *PaleoBios* 25(2 suppl.), 18-19.
7. **Campisano, C.J.** & Feibel, C.S. Tephrostratigraphy and regional correlations of the artifact-bearing Kada Hadar Member, Hadar Formation, Ethiopia. *PaleoAnthropology* (PAS 2005 abstracts), A16.
- 2004** 6. **Campisano, C.J.** & Feibel, C.S. Connecting local environmental sequences to global climate patterns: Evidence from the hominin-bearing Hadar Formation, Ethiopia. *Eos, Transactions* 85(52) (AGU Fall Meeting suppl.).
5. **Campisano, C.J.** Integrating depositional environments, paleogeography, and faunal assemblages: A new view of Hadar paleoenvironments across space and time. *Geological Society of America Abstracts with Programs* 36(5), 486.
4. Feibel, C.S. & **Campisano, C.J.** Sedimentary patterns in the Pliocene Hadar Formation, Afar Rift, Ethiopia. *Geological Society of America Abstracts with Programs* 36(5), 485.
3. Behrensmeyer, A.K., Bobe, R., **Campisano, C.J.**, & Levin, N. High resolution taphonomy and paleoecology of the Plio-Pleistocene Koobi Fora Formation, northern Kenya, with comparisons to the Hadar Formation, Ethiopia. *Journal of Vertebrate Paleontology* 24(3 suppl.), 38.
2. **Campisano, C.J.**, Behrensmeyer, A.K., Bobe, R. & Levin, N. High resolution paleoenvironmental comparisons between Hadar and Koobi Fora: Preliminary results of a combined geological and paleontological approach. *PaleoAnthropology* (PAS 2004 abstracts), A34.
- 2003** 1. **Campisano, C.J.** Possible ecological impact of tephra deposition in the Koobi Fora Formation, northern Kenya. *American Journal of Physical Anthropology* 120(S36), 74.

MEDIA

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)

Gibbons, A. (2014). How a fickle climate made us human. *Science* 341, 474-497.
<http://dx.doi.org/10.1126/science.341.6145.474>

Includes coverage of the design and early drilling stages of the HSPDP.

Zrioka, P. (2013) Core questions about human evolution. ASU-OKED Research Matters.
<https://researchmatters.asu.edu/stories/core-questions-about-human-evolution-2516>
ASU coverage after the HSPDP was awarded the \$5M NSF-FESD grant.

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 geologist), Ledi-Geraru Research Project (co-director), 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:

- | | |
|--------------|--|
| 2018 | 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. |
| 2015-present | Geological and paleontological research and survey (Miocene) in the Ramnagar region, Jammu and Kashmir State, India. |
| 2013-2014 | Paleolake scientific drilling (Pliocene-Modern) in Kenya and Ethiopia rift basins (project co-director). |
| 2011-present | Geological research (Eocene-Oligocene) in the Devil's Graveyard Formation, Brewster Co., Texas |
| 2010 | Stratigraphic and geochronological research (Plio-Pleistocene) at Dikika, Afar Regional State, Ethiopia. |
| | 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, Ologesailie, Lake Magadi).
- 2006 Preliminary geological and paleontological survey (Plio-Pleistocene) in the Bala/Weyto River region, Chew Bahir rift, Ethiopia.
- 2005-present Geological and paleontological research and survey (Plio-Pleistocene) in the Ledi-Geraru region, Afar Regional State, Ethiopia (project co-director).
- 2004 & 2005 Ologesailie 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.
- 2001-present Project Geologist - Hadar Research Project, Afar Regional State, Ethiopia.
- 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

- 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 - online (ASM 104, ~650 students). Introduction to biological anthropology with fully online lectures and labs (Fall 2015, Spring 2017)

Bones, Stone, and Human Evolution - hybrid (ASM 104, ~100 students). Introduction to biological anthropology with online lectures and in class lab sections (Fall 2014)

*Anthropological Sciences Seminar** (ASM 300, ~30 students) Required course for majors in the B.S. program (Spring 2011, Fall 2012, Fall 2016, Fall 2019)

*Geoarchaeology** (ASM 350/448, 30-60 students) Redesigned graduate course to moderate sized undergraduate course (Fall 2011, Fall 2012, Fall 2014, Spring 2019).

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

Reading and Conference (ASM 590, 1-3 students). One-on-one or small group discussions with intensive reading on select topics or techniques (Spring 2012, Fall 2014, Spring 2018)

*Geochronology & Paleoenvironmental Reconstruction** (ASM 591, 5-15 students). Graduate seminar focusing on student selected topics (Fall 2012, Fall 2015)

*Cenozoic Climate Change & Primate Evolution** (ASM 591, 5-15 students). Graduate seminar focusing on student selected topics (Fall 2017)

Other Institutions:

Ologesailie 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)

Emily Zawacki* (PhD)

Chalachew Seyoum (PhD)

Maryse Biernat (PhD)

Jake Harris (PhD)

Irene Smail (PhD)

Jayde Herniak (PhD)

Current – Postdoctoral:

Chad Yost

Previous – Postdoctoral:

Joshua Robinson (2015-2017) Current position: Visiting Lecturer, Anthropology, Boston University

Previous – Graduate:

Dominique Garello* (PhD, 2019) Current position: Lecturer, Geology & Geophysics, Louisiana State University

John Rowan (PhD, 2018) Current position: Postdoctoral Fellow, UMass - Amherst

Charles Withnell* (MA, 2015) Current position: Visiting Assistant Professor, Biology, Missouri Southern State University

Laura Stroik (PhD, 2014) Current position: Assistant Professor, Biomedical Sciences, Grand Valley State University

Previous – Undergraduate (Research or Honors):

Kelsey Vaughan* (BS, 2014)

Cali Trammell* (BS, 2019)

Amelia Villaseñor (BA, 2008)

Daniela Oliverio-Lauderdale* (BA, 2011)

PROFESSIONAL SERVICE

Journal Peer Reviewer:

eLife

Evolutionary Anthropology

Geoarchaeology

Geological Society of America Bulletin

Journal of Human Evolution

Nature Education

Palaeogeography, Palaeoclimatology, Palaeoecology
Quaternary Science Reviews *Scientific Data*

Quaternary Research

Edited Volume Chapter Peer Reviewer:

Methods in Paleocology: Reconstructing Cenozoic Terrestrial Environments and Ecosystems (D. Su, D. Croft & S. Simpson, Eds.)

African Paleocology 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 Paleocology (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:

Leakey Foundation National Geographic Society National Science Foundation
National Science Foundation 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:

2019- Director of Undergraduate Studies

2016-2019 Personnel Committee

2014-2016 Research Committee

2010-2014 Undergraduate Committee

PROFESSIONAL AFFILIATIONS

American Association of Physical Anthropologists

American Geophysical Union

East African Association for Paleoanthropology and Paleontology

Geological Society of America

Paleoanthropology Society

Society for Sedimentary Geology