

Sarah E. Freidline

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RESEARCH INTERESTS

Paleoanthropology; Virtual Anthropology; Modern Human Origins, Geometric Morphometrics; Fossil Reconstruction; Bone Histology; Growth and Development; Skeletal Biology; Neanderthals; *Homo erectus*; *Homo heidelbergensis*; Denisovan

EDUCATION

- 2012 **Ph.D.** in Anthropology at The City University of New York Graduate Center
Dissertation: “Assessing the effects of allometry on Middle to Late Pleistocene human facial morphology using semilandmark geometric morphometrics”
Advisors: Eric Delson, Jean-Jacques Hublin
Committee: Eric Delson (chair), Katerina Harvati, Jean-Jacques Hublin, Philipp Gunz, William Harcourt-Smith
- 2002 **B.A.** in Anthropology at New York University

ACADEMIC APOINTMENTS

- 2021-present **Assistant Professor**, Department of Anthropology
University of Central Florida
- 2012-2020 **Postdoctoral Researcher**, Department of Human Evolution
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
Advisor: Jean-Jacques Hublin
- 2007-2012 **Pre-doctoral Fellow**, Department of Human Evolution
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- 2004-2006 **Adjunct Lecturer**, Department of Anthropology
Lehman College, City University of New York

RESEARCH AFFILIATIONS

- 2024-present **Secondary Joint Appointment**, National Center for Forensic Science
University of Central Florida
- 2023-present **Associate Researcher**, Department of Human Origins
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

RESEARCH PUBLICATIONS

Total Number of Citations and h-index as of May 2026

- 3132 total citations on Google Scholar
- Google Scholar h-index: 15
- Google Scholar i10-index: 17

*denotes student co-authorship

#denotes dual first-authorship

Published Peer-Reviewed Journal Articles

1. Hublin, J.-J., Lefèvre, D., Perini, S., Muttoni, G., Skinner, M.M., Bailey, S., **Freidline, S.E.**, Gunz, P., Rué, M., El Graoui, M., Geraads, D., Daujeard, C., Davies, T.W., Kupczik, K., Imbrasas, M.D., Ortiz, A., Falguères, C., Shao, Q., Bahain, J.-J., Queffelec, A., Gómez-Olivencia, A., Benazzi, B., Le Cabec, A., Sorrentino, R., Bergmann, I., Sbihi-Alaoui, F.-Z., Gallotti, R., Raynal, J.-P., Mohib, A. (2026). Before *Homo sapiens*: ~770,000 – year-old Fossil Evidence from Thomas Quarry I (Morocco). *Nature*. <https://doi.org/10.1038/s41586-025-09914-y>
2. Baab, K.L., Kaifu, Y., **Freidline, S.E.**, Rogers, M.J., Semaw, S. (2025). New Reconstruction of DAN5 cranium (Gona, Ethiopia) supports complex emergence of *Homo erectus*. *Nature Communications* 16(1), 10878. <https://doi.org/10.1038/s41467-025-66381-9>
3. **Freidline, S. E.**, *Hubbart, M., *Shipman, C., *Burgos, N., Villa, C., & Schuh, A. (2025). Shaping the human face: Periosteal bone modeling across ontogeny. *The Anatomical Record*, 309(2), 271-292. <https://doi.org/https://doi.org/10.1002/ar.25689>.
4. Schuh, A., Gunz, P., Villa, C., Maureille, B., Toussaint, M., Abrams, G., Bonjean, D., Hublin, J.-J., **Freidline, S.E.** (2025) Human midfacial growth pattern differs from Neanderthals and chimpanzees. *Journal of Human Evolution*, Vol. 202, 103667. <https://doi.org/10.1016/j.jhevol.2025.103667>
5. **Freidline, S.E.**, Gunz, P., Alichane, H., Oujaa, A., Ben-Ncer, A., El Hajraoui, M.A., Hublin, J.-J. (2024) The undescribed juvenile maxilla from Contrebandiers Cave, Morocco – a study on Middle Stone Age facial growth. *Journal of Paleolithic Archaeology* 7, 15. <https://doi.org/10.1007/s41982-024-00181-3>
6. Schuh A., Heuzé, Y., Gunz, P., Berthaume, M., Shawn, C., Hublin, J.-J., **Freidline, S.E.** (2024) A shared pattern of midfacial bone modelling in hominids suggests deep evolutionary roots for human facial morphogenesis. *Proc Biol Sci*, 291(2021), 20232738. <https://doi.org/10.1098/rspb.2023.2738>
7. **Freidline, S.E.**, Westaway, K., Joannes-Boyau, R., Durringer, P., Ponche, J.-L., Morley, M.W., Hernandez, V.P.C., McAllister-Hayward, M.S., McColl, H., Zanolli, C., Gunz, P., *Bergmann, I., Sichanthongtip, P., Sihanam, D., Boualaphane, S., Luangkhoth, T., Souksavatdy, V., Dosseto, A., Boesch, Q., Patole-Edoumba, E., Aubaile, F., Crozier, F., Suzzoni, E., Frangeul, S., Bourgon, N., Zachwieja, A., Dunn, T.E., Bacon, A.-M., Hublin, J.-J., Shackelford, L., Demeter, F. (2023) Early presence of *Homo sapiens* by 86-68 kyr in Southeast Asia at Tam Pà

Ling cave, Northern Laos. *Nature Communications* 14, 3193. <https://doi.org/10.1038/s41467-023-38715-y>

8. *McGehee, K., Schultz, J., **Freidline, S.E.** (2023). Analyzing cut mark characteristics on bone from chopping/hacking tools. *Forensic Anthropology*, Vol. 6, No.3. <https://doi.org/10.5744/fa.2022.0023>
9. *Bergmann, I., Hublin, J.-J., Sbihi-Alaoui, F.Z., Ben-Ncer, A., Gunz, P., **Freidline, S.E.** (2022). The relevance of late MSA mandibles on the emergence of modern morphology in Northern Africa. *Scientific Reports*, 12, 8841. <https://doi.org/10.1038/s41598-022-12607-5>
10. *Bergmann, I., Hublin, J.-J., Gunz, P., & **Freidline, S. E.** (2021). How did modern morphology evolve in the human mandible? The relationship between static adult allometry and mandibular variability in *Homo sapiens*. *Journal of Human Evolution*, 157, 103026. <https://doi.org/10.1016/j.jhevol.2021.103026>
11. *Schuh, A., Gunz, P., Kupczik, K., Hublin, J.-J., & **Freidline, S. E.** (2021). Quantifying maxillary development in chimpanzees and humans: An analysis of prognathism and orthognathism at the morphological and microscopic scales. *Journal of Human Evolution*, 157, 103031. <https://doi.org/https://doi.org/10.1016/j.jhevol.2021.103031>
12. *Schuh, A., Gunz, P., Villa, C., Kupczik, K., Hublin, J. J., & **Freidline, S. E.** (2020). Intraspecific variability in human maxillary bone modeling patterns during ontogeny. *American Journal of Biological Anthropology* 173(4), 655-670. <https://doi.org/10.1002/ajpa.24153>
13. Chen, F., Welker, F., Shen, C. C., Bailey, S. E., *Bergmann, I., Davis, S., Xia, H., Wang, H., Fischer, R., **Freidline, S. E.**, Yu, T. L., Skinner, M. M., Stelzer, S., Dong, G., Fu, Q., Dong, G., Wang, J., Zhang, D., & Hublin, J. J. (2019). A late Middle Pleistocene Denisovan mandible from the Tibetan Plateau. *Nature*, 569(7756), 409-412. <https://doi.org/10.1038/s41586-011139>
14. *Schuh, A., Kupczik, K., Gunz, P., Hublin, J. J., & **Freidline, S. E.** (2019). Ontogeny of the human maxilla: a study of intra-population variability combining surface bone histology and geometric morphometrics. *Journal of Anatomy* 235(2), 233-245 <https://doi.org/10.1111/joa.13002>
15. Hublin, J. J., Ben-Ncer, A., Bailey, **S. E.**, **Freidline, S. E.**, Neubauer, S., Skinner, M. M., *Bergmann, I., Le Cabec, A., Benazzi, S., Harvati, K., & Gunz, P. (2017). New fossils from Jebel Irhoud, Morocco and the pan-African origin of *Homo sapiens*. *Nature*, 546(7657), 289-292. <https://doi.org/10.1038/nature22336>
16. Martinez-Maza, C., **Freidline, S. E.**, Strauss, A., & Nieto-Diaz, M. (2016). Bone growth dynamics of the facial skeleton and mandible in *Gorilla gorilla* and *Pan troglodytes*. *Evolutionary Biology*, 43, 1-21. <https://doi.org/10.1007/s11692-015-9350-7>
17. **Freidline, S. E.**, Gunz, P., & Hublin, J. J. (2015). Ontogenetic and static allometry in the human face: contrasting Khoisan and Inuit. *American Journal of Physical Anthropology*, 158(1), 116-131 <https://doi.org/10.1002/ajpa.22759>
18. **Freidline, S. E.**, Gunz, P., Harvati, K., & Hublin, J. J. (2013). Evaluating developmental shape changes in *Homo* antecessor subadult facial morphology. *Journal of Human Evolution*, 65(4), 404-423. <https://doi.org/10.1016/j.jhevol.2013.07.012>

19. **Freidline, S. E.**, Gunz, P., Harvati, K., & Hublin, J. J. (2012). Middle Pleistocene human facial morphology in an evolutionary and developmental context. *Journal of Human Evolution*, 63(5), 723-740. <https://doi.org/10.1016/j.jhevol.2012.08.002>
20. **Freidline, S. E.**, Gunz, P., Jankovic, I., Harvati, K., & Hublin, J. J. (2012). A comprehensive morphometric analysis of the frontal and zygomatic bone of the Zuttiyeh fossil from Israel. *Journal of Human Evolution*, 62(2), 225-241. <https://doi.org/10.1016/j.jhevol.2011.11.005>
21. Baab, K. L., **Freidline, S. E.**, Wang, S. L., & Hanson, T. (2010). Relationship of cranial robusticity to cranial form, geography and climate in *Homo sapiens*. *American Journal Physical Anthropology*, 141(1), 97-115. <https://doi.org/10.1002/ajpa.21120>

Peer-Reviewed Book Chapters

1. Gunz, P. & **Freidline, S.E.** (2023) Cranial form of the Hofmeyr skull: comparative 3D geometric Morphometrics. In F. E. Grine (Ed.), *Hofmeyr. A Late Pleistocene Skull from South Africa*. (pp. 143-150). Springer International Publishing. https://doi.org/10.1007/978-3-031-07426-4_8
2. **Freidline, S. E.**, Martinez-Maza, C., Gunz, P., & Hublin, J.-J. (2017). Exploring Modern Human Facial Growth at the Micro- and Macroscopic Levels. In C. J. Percival & J. T. Richtsmeier (Eds.), *Building Bones: Bone Formation and Development in Anthropology* (pp. 104-127). Cambridge University Press. <https://doi.org/10.1017/9781316388907.006>
3. **Freidline, S.E.**, Gunz, P., Hublin, J.J. (2015). Semilandmark geometric morphometric analysis of the Oberkassel faces. In L. Giemsch L. & R. Schmitz (Eds.), *The Late Glacial Burial from Oberkassel Revisited* (pp. 181-195). Darmstadt: Verlag Philipp von Zabern.

PROFESSIONAL CONFERENCES

Refereed Research Presentations at National and International Conferences

Contributed

1. * Chakraborty, T., Hublin, J.-J. **Freidline, S.E.** (2027) Pleistocene Climate Variability and Its Developmental Impacts on Tooth Growth and Mandibular Morphology in Early *Homo*. To be presented at the XXII INQUA Congress 2027 in Lucknow, India.
2. *Jordan, J., **Freidline, S.E.** (2026) The Phylogeny of Orthognathic *Homo*. Presented at the annual meeting of the *Paleoanthropology Society* – Denver, USA. Paleoanthropology Society Meeting Abstracts, Denver, CO, 17-18 March 2026. PaleoAnthropology: Vol. 2026 No. 1 (2026): PaleoAnthropology. <https://doi.org/10.48738/2026.iss1.4055>
3. *Shipman, C.M., **Freidline, S.E.** (2026) Region-specific patterns of cranial sexual dimorphism in juveniles: a 3D geometric morphometric approach for forensic applications. Presented at the 95th Annual Meeting of the American Association of Biological Anthropologists – Denver, USA. American Journal of Biological Anthropology, 189(S81), e70227. <https://doi.org/https://doi.org/10.1002/ajpa.70227>

4. *Chakraborty, T., Hublin, J.-J., **Freidline, S.E.** (2025). Relationship between mandibular ontogeny and permanent dental eruption in fossil *Homo sapiens* from North Africa. Presented at the 15th Annual Meeting of the European Society for the Study of Human Evolution – Paris, France. *PaleoAnthropology* 2025:2:458. <https://doi.org/10.48738/2025.iss2.4032>
5. **Freidline, S.E.**, Hublin, J.-J., Maureille, B., Schuh, A. (2025) Comparative mandibular growth in Neanderthals and *Homo sapiens*: insights from periosteal bone modeling and geometric morphometrics. Presented at the 15th Annual Meeting of the European Society for the Study of Human Evolution – Paris, France. *PaleoAnthropology* 2025:2:489. <https://doi.org/10.48738/2025.iss2.4032>
6. *Chakraborty, T., Arnaud, J., Buzi, C., Hublin, J.-J., **Freidline, S.E.** (2025). Improving age estimation accuracy on fragmentary fossil hominins using geometric morphometrics. Presented at the 94th Annual Meeting of the American Association of Biological Anthropologists – Baltimore, USA. *American Journal of Biological Anthropology*, 186(S79), e70031. <https://doi.org/https://doi.org/10.1002/ajpa.70031>
7. *Cook, C., **Freidline, S.E.**, Williams, L. (2025). Tools and trends: an analysis of Maya dental modification. Presented at the 94th Annual Meeting of the American Association of Biological Anthropologists – Baltimore, USA. *American Journal of Biological Anthropology*, 186(S79), e70031. <https://doi.org/https://doi.org/10.1002/ajpa.70031>
8. *Jasiak, C., Schultz, J., **Freidline, S.E.** (2025). Exploring the relationship between osteoarthritis and spinal osteophytosis and advancing age. Presented at the 94th Annual Meeting of the American Association of Biological Anthropologists – Baltimore, USA. *American Journal of Biological Anthropology*, 186(S79), e70031. <https://doi.org/https://doi.org/10.1002/ajpa.70031>
9. *Marks, M., Williams, L., **Freidline, S.E.** (2025). Sex estimation using metric and geometric morphometric analyses of the adult human talus. Presented at the 94th Annual Meeting of the American Association of Biological Anthropologists – Baltimore, USA. *American Journal of Biological Anthropology*, 186(S79), e70031. <https://doi.org/https://doi.org/10.1002/ajpa.70031>
10. *Mercier, P.J., **Freidline, S.E.**, Barber, S., Williams, L. (2025). Using geometric morphometrics to assess metacarpal robusticity: a preliminary evaluation of sex and sidedness in Mesoamerica. Presented at the 94th Annual Meeting of the American Association of Biological Anthropologists – Baltimore, USA. *American Journal of Biological Anthropology*, 186(S79), e70031. <https://doi.org/https://doi.org/10.1002/ajpa.70031>
11. Natahi, S., Tsegia, Z.J., Schuh, A., **Freidline, S.E.** (2025). Exploring facial gracilization through an integrated approach of mandibular ontogeny: preliminary results from chimpanzees. Presented at the Annual Meetings of the Société d'Anthropologie de Paris – Paris, France. *Bulletins et mémoires de la Société d'Anthropologie de Paris BMSAP* 37 (37 (S)). <https://doi.org/10.4000/133p5>
12. Schuh, A., **Freidline, S.E.**, Gunz, P. (2025). New insights into facial bone modeling patterns of *Australopithecus sediba*. Presented at the Annual Meetings of the Société d'Anthropologie de Paris – Paris, France. *Bulletins et mémoires de la Société d'Anthropologie de Paris BMSAP* 37 (37 (S)). <https://doi.org/10.4000/133pj>

13. **Freidline, S.E.**, *Hubbart, M., Villa, C., Schuh, A. (2024). A shared pattern of facial growth in present-day humans. Presented at the 93rd Annual Meeting of the American Association of Biological Anthropologists – Los Angeles, USA. *American Journal of Biological Anthropology*, 183(S77), 54. <https://doi.org/https://doi.org/10.1002/ajpa.24928>
14. *Mercier, P., **Freidline, S.E.**, Barber, S., Williams, L., Mayes, A., Joyce, A., King, S. (2024). Using geometric morphometrics to assess labor's impact on metacarpal morphology in ancient Mesoamerica. Presented at the 93rd Annual Meeting of the American Association of Biological Anthropologists – Los Angeles, USA. *American Journal of Biological Anthropology*, 183(S77), 118. <https://doi.org/https://doi.org/10.1002/ajpa.24928>
15. Schuh, A., **Freidline, S.E.**, Vialet, A. (2024) Morphometric and microscopic analysis of the maxilla from Coupe-Gorge cave (350 ka), Montmaurin (Haute-Garonne, France). Presented at the Annual Meetings of the Société d'Anthropologie de Paris – Paris, France. *Bulletins et mémoires de la Société d'Anthropologie de Paris BMSAP* 36 (36 (S)). <https://doi.org/10.4000/bmsap.13578>
16. *Shipman, C., **Freidline, S.E.** (2024). A geometric morphometric study on sexual dimorphism in human juvenile facial morphology. Presented at the 93rd Annual Meeting of the American Association of Biological Anthropologists – Los Angeles, USA. *American Journal of Biological Anthropology*, 183(S77), 166. <https://doi.org/https://doi.org/10.1002/ajpa.24928>
17. Baab, K.L., Kaifu, Y., **Freidline, S.E.**, Rogers, M.J., Semaw, S. (2023). A new face for an old species: Virtual reconstruction of the DAN5/P1 *Homo erectus* cranium. Presented at the 13th Annual Meeting of the European Society for the Study of Human Evolution – Aarhus, Denmark. *PaleoAnthropology* 2023:2:280. <https://doi.org/10.48738/2023.iss2.1093>
18. **Freidline, S. E.**, Schuh, A., Tsegai, Z. J., & Natahi, S. (2023). Integrating shape, cortical thickness, and bone modeling data: ontogeny and robusticity in the chimpanzee mandible. Presented at the 92nd Annual Meeting of the American Association of Biological Anthropologists – Reno, USA. *American Journal of Biological Anthropology*, 180(S75), 56. <https://doi.org/10.1002/ajpa.24731>
19. *Hubbart, M., Schuh, A., **Freidline, S.E.** (2023). Bone modeling pattern variability in the human mandible. Presented at the 92nd Annual Meeting of the American Association of Biological Anthropologists – Reno, USA. *American Journal of Biological Anthropology*, 180(S75), 80. <https://doi.org/10.1002/ajpa.24731>
20. *McGehee, K., Schultz J.J., **Freidline, S. E.** (2023). Analyzing Chopping/Hacking Cut Mark Characteristics on Bone: Implications for Forensic Analysis. Presented at the *American Academy of Forensic Sciences 75th Annual Scientific Conference* – Orlando, USA. *Proceedings of the American Academy of Forensic Sciences* 29:45.
21. Natahi, S., Tsegai, Z., Schuh, A., **Freidline, S.E.** (2023). Understanding growth through integration of geometric morphometrics, bone modeling, and cortical thickness: methodological details and application to an ontogenetic sample of chimpanzee mandibles. Presented at the 92nd Annual Meeting of the American Association of Biological Anthropologists – Reno, USA. *American Journal of Biological Anthropology*, 180(S75), 125. <https://doi.org/10.1002/ajpa.24731>
22. Schuh, A., Gunz, P., Villa, C., Maureille, B., Toussaint, M., Abrams, G., Bonjean, D., Hublin, J.-

- J., **Freidline, S.E.** (2023). Ontogeny and evolution of midface gracilization in humans. Presented at the *13th Annual Meeting of the European Society for the Study of Human Evolution* – Aarhus, Denmark. *PaleoAnthropology* 2023:2:387. <https://doi.org/10.48738/2023.iss2.1093>
23. Schuh, A., Heuzé, Y., **Freidline, S.E.** (2023). Hominids share similar bone modeling pattern of maxillary development. Presented at the *92nd Annual Meeting of the American Association of Biological Anthropologists* – Reno, USA. *American Journal of Biological Anthropology*, 180(S75), 158. <https://doi.org/10.1002/ajpa.24731>
24. Delson, E., Baab, K.L., Capellini, T.D., Cooke, S., **Freidline, S.E.**, Frost, S., Garrett, E.C., Harcourt-Smith, W., Hogg, R., McNulty, K., Peburn, T., Singleton, M., St. John, K., Steiper, M., Van Couvering, J. (2022). Dating and site formation of the Late Villafranchian mammals of Senèze, France. Presented at the *91st Annual Meeting of the American Association of Biological Anthropologists* – Denver, USA. *American Journal of Biological Anthropology* 177(S73): 45. <https://doi.org/10.1002/ajpa.24514>
25. **Freidline, S.E.**, *Bergmann, I., Gunz, P., Schuh, A., Alichane, H., Oujaa, A., Sbihi-Alaoui, F.Z., El-Hajraoui, M., Hublin, J.-J. (2022). The Aterian hominin fossils from Contrebandiers Cave, Morocco: a study of morphological continuity in Northern Africa. Presented at the *Annual Meeting of the Paleoanthropology Society* – Denver, USA.
26. **Freidline, S.E.**, Bruner, E., Gunz, P., Hublin, J.-J. (2022). The Neanderthal-like upper facial morphology of the Chinese late Middle Pleistocene fossil Maba. Presented at the *12th Annual Meeting of the European Society for the Study of Human Evolution* – Tübingen, Germany (Virtual Presentation). *PaleoAnthropology* 2022:2:477. <https://doi.org/10.48738/2022.iss2.809>
27. Schuh, A., Heuzé, Y., Gunz, P., Hublin, J.-J., **Freidline, S.E.** (2022). Midfacial ontogeny in extant hominids: shared and unique aspects. Presented at the *12th Annual Meeting of the European Society for the Study of Human Evolution* – Tübingen, Germany. *PaleoAnthropology* 2022:2:579. <https://doi.org/10.48738/2022.iss2.809>
28. Weaver, T.D., Gunz, P., **Freidline, S.E.** (2022). Comparing two episodes of divergence in human evolution: Between Neandertals and humans and between *Paranthropus* and early *Homo*. Presented at the *91st Annual Meeting of the American Association of Biological Anthropologists* – Denver, USA. *American Journal of Biological Anthropology* 177(S73): 193. <https://doi.org/10.1002/ajpa.24514>
29. **Freidline, S.E.**, *Schuh, A., Gunz, P., Alichane, H., Oujaa, A., El-Hajraoui, M., Hublin, J.-J. (2021). The undescribed juvenile maxilla from Grotte des Contrebandiers, Morocco – a study on Aterian facial growth. Presented at the *11th Annual Meeting of the European Society for the Study of Human Evolution* – Worldwide (Virtual). *PaleoAnthropology* 2021:1:180. <https://doi.org/10.48738/2021.iss1.75>
30. *Schuh, A., Kupczik, K., Berthaume, M.A., Shaw, C., **Freidline, S.E.** (2021). A microscopic analysis of bone development of the airohynchyn orangutan midface. Presented at the *11th Annual Meeting of the European Society for the Study of Human Evolution* – Worldwide (Virtual). *PaleoAnthropology* 2021:1:246. <https://doi.org/10.48738/2021.iss1.75>
31. **Freidline, S.E.**, Chen, F., Welker, F., Shen, C.-C., Bailey, S.E., *Bergmann, I., Davis, S., Xia, H., Wang, H., Fischer, R., Yu, T.-L., Skinner, M.M., Stelzer, S., Dong, G., Fu, Q., Dong, G., Wang, J., Zhang, D., Hublin, J.-J. (2020). The Xiahe mandible: Denisovan morphology revealed.

Presented at the *International Symposium on Paleoanthropology in Commemoration of the 90th Anniversary of the Discovery of the First Skullcap of Peking Man* – Beijing, China.

32. **Freidline, S.E.**, Hublin, J.-J., *Bergman, I., Westaway, K., Düringer, P., Joannes-Boyau, R., Ponche, J.L., Boetsch, Q., Sayavongkhamdy, T., Sichanthongtip, P., Duangthongchit, S., Sihanam, D., Bouaraphan, S., Patole-Edoumba, E., Coppens, Y., Willerslev, E., Zachwieja, A., Dunn, T., Bacon, A.M., Shackelford, L., Demeter, F. (2019). Reexamination of the cranial and mandibular *Homo sapiens* fossils including a new frontal bone from Tam Pa Ling (Laos). Presented at the *9th Annual Meeting of the European Society for the Study of Human Evolution* – Liege, Belgium.
33. Gunz, P., **Freidline, S.E.**, Hublin, J.J. (2019). *Homo heidelbergensis* is not your ancestor. Presented at the *9th Annual Meeting of the European Society for the Study of Human Evolution* – Liege, Belgium.
34. Hublin, J.J., Chen, F., Welker, F., Shen, C.C., Bailey, S.E., *Bergmann, I., Davis, S., Xia, H., Wang, H., Fischer, R., **Freidline, S.E.**, Yu, T.L., Skinner, M.M., Stelzer, S., Dong, G., Fu, Q., Dong, G., Wang, J., Zhang, D. (2019). Away from Denisova. Presented at the *9th Annual Meeting of the European Society for the Study of Human Evolution* – Liege, Belgium.
35. *Schuh, A., Kupczik, K., Hublin, J.-J., **Freidline, S.E.** (2019). Variabilité intra-spécifique des processus de modelage osseux durant la croissance de l'os maxillaire chez *H. sapiens*. Presented at the *844th Annual meetings of the Anthropological Society of Paris* – Paris, France.
36. *Schuh, A., Maureille, B., Toussaint, M., Abrams, G., Bonjean, D., Gunz, P., Hublin, J.-J., **Freidline, S.E.** (2019). Neanderthal maxillary ontogeny at the micro- and macroscopic scales: an integrative approach. Presented at the *9th Annual Meeting of the European Society for the Study of Human Evolution* – Liege, Belgium.
37. **Freidline, S.E.**, *Schuh, A., Martinez-Maza, C., Gunz, P., Hublin, J.J. (2018). Modern human facial and mandibular growth at the micro and macroscopic levels: marrying bone modeling and geometric morphometric techniques. Presented at the *8th Annual Meeting of the European Society for the Study of Human Evolution* – Faro, Portugal.
38. *Schuh, A., Villa, C., Kupczik, K., **Freidline, S.E.** (2018). Ontogeny of the human maxilla: a study of intra specific variation using surface histology and geometric morphometrics. Presented at the *8th Annual Meeting of the European Society for the Study of Human Evolution* – Faro, Portugal.
39. *Schuh, A., **Freidline, S.E.** (2018). Bone modeling patterns in the midface of modern humans during ontogeny: a study of intraspecific variability. Presented at the *87th Annual Meeting of the American Association of Physical Anthropologists* – Austin, USA. *American Journal of Physical Anthropology*, 165(S66), 1-312. <https://doi.org/10.1002/ajpa.23489>
40. *Schuh, A., Kupczik, K., **Freidline, S.E.** (2017). The relationship between maxillary bone growth and dental eruption in humans. Presented at the *International Symposium on Dental Morphology* – Bordeaux, France.
41. *Schuh, A., Kupczik, K., **Freidline, S.E.** (2017). Ontogeny of the midface in *H. sapiens*: building an integrative growth model for paleoanthropological studies using bone modeling and

geometric morphometrics. Presented at the 7th Annual Meeting of the European Society for the Study of Human Evolution – Leiden, Netherlands.

42. *Bergmann, I., **Freidline, S.E.**, Gunz, P., Hublin, J.J. (2016). Variability and Evolution of mandible morphology in *Homo sapiens* and its ancestors in Europe, Africa and Western Asia. Presented at the 6th Annual Meeting of the European Society for the Study of Human Evolution – Madrid, Spain.
43. Gunz, P., Harvati, K., **Freidline, S.E.**, Hublin, J.J., Grine, F.E. (2014). Khoe-San retain a gracilized version of the ancestral modern human phenotype. Presented at the 4th Annual Meeting of the European Society for the Study of Human Evolution – Florence, Italy.
44. Cooke, S.B., Villaseñor, A., Boyd, K.L., Astorino, C.A., **Freidline, S.E.**, Hublin, J.J. (2014). Palate shape and diet in *Homo sapiens*. Presented at the 83rd Annual Meeting of the American Association of Physical Anthropologists – Calgary, Canada. *American Journal of Physical Anthropology*, 153(S58), 1-9. <https://doi.org/https://doi.org/10.1002/ajpa.22487>
45. **Freidline, S.E.**, Gunz, P., Hublin, J.J. (2013). The impact of geographic variation and allometry on the postnatal development of modern human facial features. Presented at the 3rd Annual Meeting of the European Society for the Study of Human Evolution – Vienna, Austria.
46. **Freidline, S.E.**, Gunz, P., Harvati, K., Hublin, J.J. (2012). Middle Pleistocene human facial morphology. Presented at the 81st Annual Meeting of the American Association of Physical Anthropologists – Portland, USA. *American Journal of Physical Anthropology*, 147(S54), 1-16. <https://doi.org/https://doi.org/10.1002/ajpa.22032>
47. **Freidline, S.E.**, Gunz, P., Harvati, K., Hublin, J.J. (2011). Middle Pleistocene human facial morphology in an evolutionary and developmental context. Presented at the 1st Annual Meeting of the European Society for the Study of Human Evolution – Leipzig, Germany.
48. **Freidline, S.E.**, Gunz, P., Harvati, K., Hublin, J.J. (2011). Allometry and evolution of the face in mid-Pleistocene *Homo*. Presented at the 80th Annual Meeting of the American Association of Physical Anthropologists – Minneapolis, USA. *American Journal of Physical Anthropology*, 144(S52), 138. <https://doi.org/https://doi.org/10.1002/ajpa.21499>
49. **Freidline, S.E.**, Gunz, P., Harvati, K., Hublin, J.J. (2010). 3D semilandmark geometric morphometric quantification of modern human facial development. Presented at the 79th Annual Meeting of the American Association of Physical Anthropologists – Albuquerque, USA. *American Journal of Physical Anthropology*, 141(S50), 107. <https://doi.org/https://doi.org/10.1002/ajpa.21273>
50. **Freidline, S.E.**, Gunz, P., Harvati, K., Jankovic, I., Delson, E., Hublin, J.J. (2009). 3D Landmark and semilandmark geometric morphometric analysis of the Zuttiyeh fronto-zygomatic fragment. Presented at the 78th Annual Meeting of the American Association of Physical Anthropologists – Chicago, USA. (2009). *American Journal of Physical Anthropology*, 138(S48), 129-130. <https://doi.org/https://doi.org/10.1002/ajpa.21027>
51. **Freidline, S.E.**, Gunz, P., Harvati, K., Delson, E., Hublin, J.J. (2008). How three-dimensional surface data can be used to reconstruct fragmentary fossils. Presented at the 77th Annual Meeting of the American Association of Physical Anthropologists – Philadelphia, USA. (2008).

American Journal of Physical Anthropology, 135(S46), 1-13.
<https://doi.org/https://doi.org/10.1002/ajpa.20803>

Invited

1. Weaver, T., Freidline, S.E., Gunz, P. (2024). Reconstructing the evolutionary processes that produced cranial differences between Neandertals and humans. Presented at the 93rd Annual Meeting of the American Association of Biological Anthropologists – Los Angeles, USA. *American Journal of Biological Anthropology*, 183(S77), 194. <https://doi.org/https://doi.org/10.1002/ajpa.24928>
2. Baab, K.L., Harvati, K., **Freidline, S.E.** (2022). Contributions of high dimensional shape analysis to paleoanthropology. Presented at the *89th Annual Meeting of the American Association of Physical Anthropologists* – Denver, USA. *American Journal of Biological Anthropology* 171(S69): 14. <https://doi.org/https://doi.org/10.1002/ajpa.24023>
3. *Bergmann, I., Hublin, J.-J., Gunz, P., **Freidline, S.E.** (2020). How did mandibular morphology evolve in *H. sapiens*? A geometric morphometrics approach to the role of allometry during the emergence of our species. American Association of Biological Anthropologists – Los Angeles, USA. *American Journal of Physical Anthropology* 171(S69): 25.
4. **Freidline, S.E.**, Martinez-Maza, C., Hublin, J.J. (2014). An integrative approach to studying craniofacial development in Great apes and humans. Presented at the *83rd Annual Meeting of the American Association of Physical Anthropologists* – Calgary, Canada. *American Journal of Physical Anthropology*, 153(S58), 1-9. <https://doi.org/https://doi.org/10.1002/ajpa.22487>
5. **Freidline, S.E.**, Gunz, P., Harvati, K., Jankovic, I., Delson, E., Hublin, J.J. (2009). 3D landmark and semilandmark geometric morphometric analysis of the Zuttiyeh fronto-zygomatic fragment. Invited Presentation at the Symposium on “The Transition from Archaic to Modern: Quantitative Approaches” – Leipzig, Germany.

Non-Refereed Conference Presentations

1. Schuh, A., Hajdinjak, M., Fewlass, H., Skinner, M., Imbrasas, M., Bailey, S. E., **Freidline, S. E.**, Alberro, M. L., Kelso, J., & Gunz, P. (2025). New fossil remains from Bacho Kiro Cave, Bulgaria. *Origins and Development of the Eurasian Initial Upper Paleolithic*, 15.
2. *Mercier, P., **Freidline, S.E.**, Barber, S., Williams, L. (2025). Using geometric morphometrics to assess metacarpal robusticity: a preliminary evaluation of sex and sidedness in Mesoamerica. University of Central Florida Student Scholar Symposium.
3. *Shipman, C.M., **Freidline, S.E.** (2025). Geometric morphometric analysis of the juvenile face. University of Central Florida Student Scholar Symposium.
4. Cook, C. M., **Freidline, S.E.**, & Williams, L. (2025). To grit one’s teeth: Tools and patterns of Maya dental modification. University of Central Florida Student Scholar Symposium.

5. *Burgos, N., **Freidline, S.E.** (2024). Zygomatic bones in human populations: a comparative study of ontogenetic modeling patterns. University of Central Florida Student Scholar Symposium.
6. *Burgos, N., **Freidline, S.E.** (2024). Zygomatic bones in human populations: a comparative study of ontogenetic modeling patterns. University of Central Florida Student Scholar Symposium.
7. *Stroup, M., **Freidline, S.E.** (2023). Changing faces, changing places: examining variability in zygomatic bone modeling patterns across development and population groups. University of Central Florida Student Scholar Symposium.

RESEARCH GRANTS AND FELLOWSHIPS

External Research Grants and Fellowships

- 2025 **DFG (Deutsche Forschungsgemeinschaft), German Research Foundation**, Research Fellowship, Center for Advanced Studies “Words, Bones, Genes, Tools”, University of Tübingen, Germany
 Project: *Maxillary growth in North African Middle Stone Age hominins: a comparison of Contrebandiers and Mugharet el’Aliya*
 PI: Sarah Freidline
 Total: \$8,000
- 2023 **FAACTS (France & Chicago Collaborating in the Sciences)**; administered through the University of Chicago and the Collège de France
Project: *Evolution of the human skull: Exploring gracilization and robusticity of the lower jaw in humans and chimpanzees*
 PIs: Zewdi Tsegai, Selim Natahi
 Collaborators: Sarah Freidline, Alexandra Schuh
 Role: Collaborator; lead investigator for geometric morphometric analysis
 Total: \$25,000
- 2007–2011 **Pre-doctoral Fellowship**, Department of Human Evolution, Max Planck Institute, Leipzig, Germany
 Four-year funding stipend
- 2009 **Leakey Foundation General Research Grant**
 PI: Sarah Freidline
 Total: \$10,970
- 2009 **National Science Foundation Doctoral Dissertation Improvement Grant**
 PI: Eric Delson, Co-PI: Sarah Freidline
 Total: \$10,825

Internal Research Grants

- 2025 **UCF Seed Funding Program: 2024-2025** (FP00010997)
 Project: *3D Modeling and CT Analysis of Facial Growth in Fossil Humans*

PI: Sarah Freidline
Total: \$10,246

RESEARCH HONORS AND AWARDS

2026 **UCF College of Sciences OSCAR: Outstanding Scholarship, Creative Activities, and Research**

TEACHING

2021 – Present

University of Central Florida
Assistant Professor, Department of Anthropology

Graduate Level Courses (MA/PhD)

ANG7496	Advanced Quantitative Methods in Anthropology	Face-to-Face
ANG6908	Independent Study (varied topics)	Face-to-Face
ANG6918	Directed Research	Face-to-Face
ANG6971	Thesis Research	Face-to-Face
ANG7980	Dissertation Research	Face-to-Face

UCF Undergraduate Level Courses

ANT2511	Biological Anthropology (formerly Human Species)	Online, Mixed-Mode
ANT4586C	Human Origins (with lab)	Face-to-Face
ANT4591	Quantitative Methods in Biological Anthropology	Face-to-Face
ANT4906	Independent Study (varied topics)	Face-to-Face
ANT4903/04H	Honors Directed Readings I & II	Face-to-Face
ANT4970/71H	Honors Thesis I & II	Face-to-Face

2012 – 2020

Leipzig School of Human Origins, Max Planck Institute for Evolutionary Anthropology

Postdoctoral Researcher, Department of Human Evolution

Graduate Level Courses (PhD)

Middle to Late Pleistocene Human Evolution

2004 – 2006

Lehman College, City University of New York

Adjunct Lecturer

Undergraduate Level Courses

ANT171	Introduction to Human Evolution
ANT269	Introduction to Human Variation

2005

Sophie Davis School of Biomedical Education, City University of New York, Pre-Medical

Teaching Assistant

Pre-Medical Course

TEACHING GRANTS

Internal Teaching Grants

- 2023 **Digital Curriculum Innovation Initiative Award**
Project: *Bones, Stones, and Virtual Labs: Human Species in 3D and 360 Degrees*
PI: Amanda Groff, co-PI: Sarah Freidline
Total: \$21,500
- 2023 **Summer Institute**, Faculty Center for Teaching and Learning, UCF (\$500)

TEACHING HONORS AND AWARDS

- 2026 **UCF Teaching Incentive Program (TIP) Award**
- 2025 **UCF General Education Program (GEP) Innovation Award**
- 2025 **UCF College of Sciences TONI: The Outstanding Names in Instruction**

TEACHING DEVELOPMENT

- 2023-24 Digital Curriculum Innovation Initiative, Participant
10 meetings over a 1-year period
- 2023 Digital Learning Day Participant
- 2023 Completed the Faculty Summer Institute, UCF Faculty Center for Teaching and Learning (May 8 – 10), High Impact Practice Track
- 2021 Completed IDL 6543: Online Course Development – Faculty course sponsored by the Center for Distributed Learning, University of Central Florida. IDL 6543 instructs faculty in the development and delivery of fully online (W) or mixed-mode (M) courses (Fall)

STUDENT RESEARCH ADVISING AND MENTORING

Chair, Ph.D. Dissertation

- Inga Bergmann Ph.D. in Anthropology, Leipzig School of Human Origins, Max Planck Institute for Evolutionary Anthropology
Defended Spring 2023
Co-Chairs: J.-J. Hublin, P. Gunz
Dissertation Title: *Variability and Evolution of Mandibular Form in Homo sapiens*

- Tannistha Chakraborty Ph.D. in Integrative Anthropological Sciences, University of Central Florida
Florida
In progress, degree anticipated 2028
Dissertation Title: *Evolution of facial ontogeny during permanent dental eruption in hominins*
- Caroline Jasiak Ph.D. in Integrative Anthropological Sciences, University of Central Florida
In progress, degree anticipated 2026
Dissertation Title: *Improving Osteological Age Estimation Methods Using Degenerative Joint Diseases: Combining Osteoarthritis and Spinal Osteophytosis Morphometric Analysis Utilizing Statistical Processes*
- Kelly McGehee Ph.D. in Integrative Anthropological Sciences, University of Central Florida
In progress, degree anticipated 2026
Dissertation Title: *Forensic Analysis of Sharp Force Trauma: Macroscopic and Microscopic Examination of Chopping/Hacking Cut Marks on Bone and Taphonomic Considerations*
- Alexandra Schuh Ph.D. in Anthropology, Leipzig School of Human Origins, Max Planck Institute for Evolutionary Anthropology
Defended Summer 2021
Co-Chairs: J.-J. Hublin, P. Gunz, K. Kupczik
Dissertation Title: *Quantification of maxillary ontogenetic processes using surface histology and geometric morphometrics*
- Catherine Shipman Ph.D. in Integrative Anthropological Sciences, University of Central Florida
In progress, degree anticipated 2028
Dissertation Title: *Cranial Structural Integration Across Scales: A Non-Destructive Multiscale Analysis of Cranial Vault Structure Using CT, Geometric Morphometrics, Cross-Skeletal Robusticity, and Surface Microtopography*

Co-Chair, Ph.D. Dissertation

- Peter Mercier Ph.D. in Integrative Anthropological Sciences, University of Central Florida
In progress, degree anticipated 2027
Chair: S. Barber
Dissertation Title: *Occupational Stress and Economic Change in Ancient Oaxaca, Mexico: An Assessment of Internal and External Upper Limb Robusticity*

Chair, M.A. Thesis

- Madison Hubbart M.A. in Anthropology, University of Central Florida
Defended Spring 2023
Thesis Title: *Ontogenetic Bone Modeling Variability of the Human Mandible*
- Jared Jordan M.A. in Anthropology, University of Central Florida
In progress, degree anticipated 2026
Thesis Title: *Homoplasmy of Maxillary and Mandibular Prognathism in Derived Homo*

Katherine Nussbaum M.A. in Anthropology, University of Central Florida
Defended Spring 2025
Non-thesis track

Catherine Shipman M.A. in Anthropology, University of Central Florida
Defended Fall 2023
Thesis Title: *Evaluating Developmental Changes in Modern Human Juvenile Facial Morphology for Sex Estimation*

Jessica Suberly M.A. in Anthropology, University of Central Florida
In progress, degree anticipated 2026
Thesis Title: *A study on age-related cranial thickness changes of human crania*

Emily Tinsley M.A. in Anthropology, University of Central Florida
In progress, degree anticipated 2026
Thesis Title: *Mandibular Form and Function: Integrating Cortical Thickness, Enteseal Development, and Chin Morphology in Homo over the Last 300,000 Years*

Co-Chair, M.A. Thesis

Jennifer Barritt M.A. in Anthropology, University of Central Florida
Defended Fall 2024
Chair: J. Schultz
Thesis Title: *Evaluating Sexual Dimorphism in Occipital Morphological Shape through Modern Human Ontogenetic Changes*

Melissa Marks M.A. in Anthropology, University of Central Florida
Defended Summer 2025
Chair: L. Williams
Thesis Title: *Refining Metric and Geometric Morphometric Methods of Sex Estimation Using the Adult Human Talus*

Committee Member, Ph.D. Dissertation

Atakan Atabas Ph.D. in Integrative Anthropological Sciences, University of Central Florida
In progress, degree anticipated 2027
Chair: Scott Branting
Dissertation Title: *The Role of Building Orientation on Social Order at Ancient Kerkenes*

Morgan Ferrell Ph.D. in Integrative Anthropological Sciences, University of Central Florida
Defended Summer 2024
Chair: J. Schultz
Dissertation Title: *Sex Estimation Methods in Forensic Anthropology*

Committee Member, M.A. Thesis

Griffon Binkowski M.A. in Anthropology, University of Central Florida
In progress
Chair: L. Williams

Thesis Title: *Comparing Handheld X-ray Fluorescence (HHXRF) Spectrometers For Non-Destructive Trace Element Analysis of Archaeological Teeth from Altun Ha, Belize, Kellis, Egypt, and Dayr al-Barsha, Egypt*

Michelle Txarola M.A. in Anthropology, University of Central Florida
In progress
Chair: S. Wheeler
Thesis Title: TBD

Brianna Muir M.A. in Anthropology, University of Central Florida
Defended Spring 2023
Chair: J. M. Toyne
Thesis Title: *Investigating Mobility Across the Life Course Through Stable Isotope Analysis at the Early Medieval Site of Berettyóújfalu Somata, Hungary*

Kelly McGehee M.A. in Anthropology, University of Central Florida
Defended Spring 2022
Chair: J. Schultz
Thesis Title: *Identifying Chopping/Hacking Marks Made on Bones*

Chair, Honors Undergraduate Thesis

Channing Cook B.A. in Anthropology, University of Central Florida
Defended Spring 2025
HUT Title: *Tools and Trends: An Analysis of Maya Dental Modification*

Committee Member, Honors Undergraduate Thesis

Dylan Ornot B.A. in Anthropology, University of Central Florida
Defended Fall 2024
HUT Title: *Assessment of Forensic and Clinical Criteria of Orbital Blowout Fractures for use in Bioarchaeological Analysis*

Advisor, M.A. Thesis

Judith Hasel M.S. in Anthropology, Johannes Gutenberg University, Mainz, Germany
Defended 2018
Thesis Title: *Maxillary bone modeling patterns during ontogeny in the Tai Chimpanzees with a focus on the nasoalveolar clivus*

SERVICE

Service to Department

Present Graduate Program Committee, Member
Department of Anthropology, University of Central Florida

Present Trevor Colbourn Anthropology Endowment Fund Committee, Member
Department of Anthropology, University of Central Florida

- 2024-Present Undergraduate Program Committee, Member
Department of Anthropology, University of Central Florida
- 2024-2025 Anthropology Search Committee, Member
Department of Anthropology, University of Central Florida
- 2023-2025 Graduate Program Committee, Member
Department of Anthropology, University of Central Florida
- 2022-2025 Annual Evaluation Standards and Procedures Ad Hoc Committee, Member
Department of Anthropology, University of Central Florida
- 2022-2024 Colloquium Committee, Member
Department of Anthropology, University of Central Florida
- 2022-2023 Master's Curriculum Committee, Member
Department of Anthropology, University of Central Florida
- 2022-2023 Instructor/Lecturer Promotion and Guidelines Ad-Hoc Committee, Member
Department of Anthropology, University of Central Florida
- 2021–2022 Inclusion & Diversity Committee, Member
Department of Anthropology, University of Central Florida

Service to College

- Present Research Committee, Member
College of Sciences, University of Central Florida
- 2024-2025 Teaching Incentive Program (TIP) Selectin Committee, Member
College of Sciences, University of Central Florida
- 2023-2024 Research Incentive Award (RIA) Selection Committee, Member
College of Sciences, University of Central Florida
- 2021–2023 Recognition and Scholarship Committee, Member
College of Sciences, University of Central Florida

Service to Profession

- 2023-present Elected regular board member for the European Society for the Study of Human Evolution (ESHE)
- 2022-2024 Associate Editor of the *Journal of Human Evolution*
- 2016 – 2019 Associate Editor of the *Journal of Human Evolution*

Grant Proposal Peer-Reviews (Invited)

2022 Reviewed one proposal for the National Science Foundation Senior Research Award

Journal Manuscript & Book Chapter Peer-Reviews (Invited)

2026 *Scientific Reports* (1)

2025 *American Journal of Biological Anthropology* (1)

2024 *PaleoAnthropology* (1)
Springer: Vertebrate Paleobiology and Paleoanthropology Series (1)

2023 *PaleoAnthropology* (1)

2022 *Journal of Human Evolution* (2)
American Journal of Biological Anthropology (2)
Journal of Anatomy (1)

2021 *Journal of Human Evolution* (1)

2020 *American Journal of Biological Anthropology* (1)
Journal of Human Evolution (2)

2019 *Archaeological and Anthropological Sciences* (1)
Journal of Human Evolution (2)

2018 *Journal of Human Evolution* (3)

2017 *Journal of Human Evolution* (1)

2016 *Journal of Human Evolution* (1)

2015 *Evolutionary Biology* (1)
Journal of Human Evolution (4)
Journal of African Earth Sciences (1)
Argentinian Journal of Biological Anthropology (1)
Springer: Anthropology and Archaeology Series (1)

2014 *Journal of Human Evolution* (3)
Springer: Anthropology and Archaeology Series (1)

2013 *Journal of Human Evolution* (2)

2012 *Journal of Human Evolution* (1)

Invited Lectures and Presentations

- 2025 University of Illinois Chicago Craniofacial Research Group Seminar Series. “Integrating shape, cortical thickness, and bone modeling data: ontogeny and robusticity in the hominin face” (Virtual)
- 2024 Archaeological Institute of American - Jacksonville Society. “Recent advances in human origins research: new insights from Northern Africa to Southeast Asia”
- 2024 Time Sifters Archeology Society of Sarasota, FL. “Recent advances in human origins research”
- 2024 University of Central Florida Learning Institute for Elders – LIFE. “Human origins and dispersals: new insights from Northern Africa and Southeast Asia”
- 2022 Lunch and Learn, Department of Anthropology, University of Central Florida
“Modern Human Origins and Dispersals: Insights from Northern African and Southeast Asia”

Conference Organization and Workshops

- 2024 Organized workshop “*Comprehensive Approaches to the Evolution of Craniomandibular Morphologies*” at the University of Chicago.
- 2023 Poster session chair “*Paleoanthropology: Hominid cranial morphology and systematics*” at the 2023 AABA Annual Meeting in Reno, Nevada
- 2011 Organized and co-chaired a podium symposium
American Association of Physical Anthropologists
Title: *Muddles in the Middle: Current Perspectives on Middle Pleistocene Human Evolution*
- 2005 Student Planning Committee,
New York Consortium for Evolutionary Anthropology “*Monkeys Old and New*”
Symposium

Professional Memberships

Member, European Society for the Study of Human Evolution
Member, American Association of Biological Anthropologists
Member, Paleoanthropology Society

Fieldwork

- 2008 Gran Dolina, Sierra de Atapuerca, Spain, a Pleistocene hominin site
- 2005 Sima de Las Palomas, Murcia, Spain, Pleistocene hominin site
- 2005 Seneze, France, a Pliocene fossil mammal site
- 2003 Field school at Makapansgat, South Africa, a Plio-Pleistocene hominin site

2000 Field School in mortuary archaeology at Khuzir-Nuge XIV, Lake Baikal, Siberia

MEDIA COVERAGE

- 2026 UCF Research in 60 Seconds <https://www.youtube.com/watch?v=LpEjYMpNYHU>
- 2026 Interviewed by COSNEWS for my papers “Before *Homo sapiens*: ~770,000 – year-old Fossil Evidence from Thomas Quarry I (Morocco)” and “New Reconstruction of DAN5 cranium (Gona, Ethiopia) supports complex emergence of *Homo erectus*”
<https://www.ucf.edu/news/ucf-researcher-co-authors-studies-reshaping-understanding-of-human-origins/>
- 2026 Interviewed by Bridget Alex, *Science*
“Fossils point to common ancestor of modern humans, Neanderthals”
<https://www.science.org/content/article/fossils-point-common-ancestor-modern-humans-neanderthals>
- 2023 Interviewed by UCFTODAY for my paper “Early presence of *Homo sapiens* by 86-68 kyr in Southeast Asia at Tam Pà Ling cave, Northern Laos” (Freidline et al., 2023)
“Human Migration Timeline Redrawn by Fresh Fossil Analysis”
<https://www.ucf.edu/news/human-migration-timeline-redrawn-by-fresh-fossil-analysis/>
- 2021 Interviewed by Maya Wei-Haas, *National Geographic Magazine*
“Dragon Man” may be new species, shaking up human family tree”
<https://www.nationalgeographic.com/science/article/dragon-man-fossil-skull-may-represent-new-human-species-in-china?loggedin=true>
- 2021 Interviewed by COSNEWS
“New Faculty Member Brings Human Origins Expertise To Classroom This Fall”
<https://sciences.ucf.edu/news/new-faculty-member-brings-human-origins-expertise-to-classroom-this-fall/>