**KAREN L. BAAB** kbaab@midwestern.edu

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Dr. Arthur G. Dobbelaere Science Hall Fax (623) 572-3679
Glendale, Arizona 85308

## EDUCATION

| | | |
|---|---|---|
| **Ph.D.**, 2007 | The Graduate Center (City University of New York)<br>Dissertation Title: Cranial shape variation in *Homo erectus* | Anthropology |
| **M.A.**, 2003 | Hunter College (City University of New York)<br>Thesis Title: Nasal morphology and climate in Neanderthals" | Anthropology |
| **B.A.**, 2000 | Muhlenberg College (Honors, Summa cum laude) | History and Anthropology |

## PROFESSIONAL APPOINTMENTS

| | | |
|---|---|---|
| 2024-present | **Professor of Anatomy** | Midwestern University |
| 2018-2024 | **Associate Professor of Anatomy** | Midwestern University |
| 2014-2018 | **Assistant Professor of Anatomy** | Midwestern University |
| 2010-2014 | **Assistant Professor of Anthropology** | Stony Brook University |
| 2008-2010 | **Postdoctoral Researcher in Anatomical Sciences** | Stony Brook University |

## SCHOLARLY PUBLICATIONS

### Peer-reviewed Journal Articles and Book Chapters

In Review **Baab, K.L.,** Martin, J.M., Nesbitt, A., Schwartz, G.T., Leece, A.B., Baker, S.E., Semaw, S., Rogers, M.J., Herries, A.I.R., Strait, D.S. Evolution of brain development in *Homo* elucidated by Drimolen fossil. Science.

In Review Waweru, V., Grossman, A., Kirera, F., Malit, N., Massilani, D., Bonczarowska, J., Kinyanjui, R., Omuombo, C., Miggins, D., Muchemi, F., **Baab, K.L.**, Kinyua, R., Chege, L. Human origins research and knowledge co-production in the Central Highlands of Kenya. Archaeologies.

2025 **Baab, K.L.**, Kaifu, Y., Freidline, S.E., Rogers, M., Semaw, S. New reconstruction of DAN5 cranium (Gona, Ethiopia) supports complex emergence of *Homo erectus*. Nature Communications 16, 10878. (https://doi.org/10.1038/s41467-025-66381-9)

2025 **Baab, K.L.** A fresh look at an iconic human fossil: Virtual reconstruction of the KNM-WT 15000 cranium. Journal of Human Evolution. 202, 103664. (https://doi.org/10.1016/j.jhevol.2025.103664)

2025 Jung, H., **Baab, K.L.**, Strait, D., Rolian, C. Not merely a constraint: how the constrained lever model shapes mandibular evolution via integration. Evolutionary Biology 1-16. (https://doi.org/10.1007/s11692-025-09663-w)

2025 Riede, T., Sherwood, T., Kaup, M., **Baab, K.L.** Microevolutionary divergence and plasticity of laryngeal shape in the house mouse (*Mus musculus*). American

Journal of Physiology-Regulatory, Integrative and Comparative Physiology. 329: R874-R893. (https://doi.org/10.1152/ajpregu.00168.2025)

2025 Jung, H., Rolian, C., Strait, D., **Baab, K.L.** Evaluating the evolvability of *Paranthropus* cranial morphology in relation to feeding biomechanics. American Journal of Biological Anthropology 188 (2), e70136. (https://doi.org/10.1002/ajpa.70136)

2025 Sherwood, M., Kaup, M., **Baab, K.L.**, Riede, T. Developmental trajectories in laryngeal anatomy of California mice (*Peromyscus californicus*). Royal Society Open Science. 12 (10). (https://doi.org/10.1098/rsos.251029)

2024 Jung, H., Strait, D., Rolian, C., **Baab, K.L.** Evaluating modularity in the hominine skull related to feeding biomechanics. American Journal of Biological Anthropology. 183 (1), 39-59. (doi: 10.1002/ajpa.70136)

2023 Jung, H., Strait, D., Rolian, C., **Baab, K.L.** Functional morphological integration related to feeding biomechanics in the hominine skull. Journal of Human Evolution 182, 103401. (doi: 10.1016/j.jhevol.2023.103401)

2023 Reide, T., Stein, A., **Baab, K.L.**, Hoxworth, J.M. Post-pubertal developmental trajectories of laryngeal shape and size in humans. Scientific Reports. 13: 7673. (doi: 10.1038/s41598-023-34347-w)

2023 Bruner, E., Holloway, R., **Baab, K.L.**, Rogers, M., Semaw, S. The endocast from Dana Aoule North (DAN5/P1): a 1.5 million year-old human braincase from Gona, Afar, Ethiopia. American Journal of Biological Anthropology. 181: 206-215 (https://doi.org/10.1002/ajpa.24717)

2022 Ward, D. L., Schroeder, L., Roy, J. E., Hertz, M., Uhl, A., Pomeroy, E., Stock, J. T., Copes, L., **Baab, K. L.**, Viola, T. B., Silcox, M. T. The influence of subsistence strategy and climate on bony labyrinth morphology in recent *Homo sapiens*. American Journal of Biological Anthropology. 177: 454-470. (https://doi.org/10.1002/ajpa.24465)

2022 **Baab, K.L.,** Rogers, M., Bruner, E., Semaw, S. Reconstruction and analysis of the DAN5/P1 and BSN12/P1 Gona early Pleistocene *Homo* fossils. Journal of Human Evolution. 162: 103102. (https://doi.org/10.1016/j.jhevol.2021.103102)

2021 **Baab, K.L.**, Nesbitt, A., Hublin, J.J., Neubauer, S. Assessing the status of the KNM-ER 42700 fossil using Homo erectus neurocranial development. Journal of Human Evolution. 154: 102980. (https://doi.org/10.1016/j.jhevol.2021.102980)

2020 **Baab, K.L.** Reconstructing cranial evolution in an extinct hominin. Proceedings of the Royal Society B. 288: 20202604. (https://doi.org/10.1098/rspb.2020.2604)

2020 Riede, T., Coyne, M., Tafoya, B., **Baab, K.L.** Postnatal development of the mouse larynx: Negative allometry, age-dependent shape changes, morphological integration and a size-dependent spectral feature. Journal of Speech, Language, and Hearing Research. 63: 2680-2694. (https://doi.org/10.1044/2020_JSLHR-20-00070)

2019 Borgard, H.L., **Baab, K.L.**, Pasch, B., Riede, T. The shape of sound: A geometric morphometrics approach to laryngeal functional morphology. Journal of Mammalian Evolution. (https://doi.org/10.1007/s10914-019-09466-9).

2018 **Baab, K.L.** Evolvability and craniofacial diversification in genus *Homo*. Evolution. 72: 2781-2791. (https://doi.org/10.1111/evo.13637).

2018 Zichello, J., **Baab, K.L.**, McNulty, K.P., Raxworthy, C.J. and Steiper, M.E. Hominoid intraspecific cranial variation mirrors neutral genetic diversity. Proceedings of the National Academy of Sciences. 115: 11501-11506.

2018 **Baab, K.L.**, Copes, L.E., Ward, D., Wells, N., Grine, F.E. Using modern human cortical bone distribution to test the systemic robusticity hypothesis. Journal of Human Evolution. 119: 64-82.

2017 **Baab, K.L.** and Zaim, Y. Global and local perspectives on cranial shape variation in Indonesian *Homo erectus*. Anthropological Science. 125: 67-83.

2016 **Baab K.L.,** Brown P., Falk D., Richtsmeier J.T., Hildebolt C.F., Smith K., Jungers W. A critical evaluation of the Down syndrome diagnosis for LB1, type specimen of *Homo floresiensis*. PLoS ONE. 11(6): e0155731

2016 Ledogar, J.A., Dechow, P.C., Wang, Q., Gharpure, P.H., Gordon, A.D., **Baab, K.L.,** Weber, G.W., Grosse, I.R., Ross, C.F., Richmond, B.G., Wright, B.W., Byron, C., Wroe, S., Strait, D.S. Human feeding biomechanics: performance, variation and functional constraints. PeerJ. 4e:2242.

2016 **Baab, K.L.** The place of *Homo floresiensis* in human evolution. Journal of Anthropological Studies. 94: 1-14.*Invited*

2016 **Baab, K.L.** The role of neurocranial shape in defining the boundaries of an expanded *Homo erectus* hypodigm. Journal of Human Evolution. 92: 1-21.

2015 **Baab, K.L.** Defining *Homo erectus*. Henke, W. and Tattersall, I. (Eds.). Handbook of Paleoanthropology. New York: Springer, pp. 2189-. *Invited*

2014 **Baab, K.L.** Phylogenetic, ecological, and allometric correlates of cranial shape in Malagasy lemuriforms. Evolution. 68: 1450–1468.

2013 **Baab, K. L.** The impact of superimposition choice in geometric morphometric approaches to morphological integration. Journal of Human Evolution. 65: 689-692.

2013 **Baab, K.L.**, McNulty, K.P., and Harvati, K. *Homo floresiensis* contextualized: A geometric morphometric comparative analysis of fossil and pathological human samples. PLoS ONE 8(7): e69119.

2012 **Baab, K.L.**, McNulty, K.P. and Rohlf, F.J. The shape of human evolution: a geometric morphometrics perspective. Evolutionary Anthropology. 21: 151-165. *Invited*

2010 McNulty, K.P. and **Baab, K.L.** Keeping asymmetry in perspective: A reply to Eckhardt and Henneberg. American Journal of Physical Anthropology. 143: 337-339.

2010 **Baab, K.L.** Cranial shape in Asian *Homo erectus*: geographic, anagenetic, and size-related variation. In: Norton, C.J., Braun, D.R. (Eds.) Asian Paleoanthropology: From Africa to China and Beyond. New York: Springer, pp. 57-80.

2010 **Baab, K.L.**, Freidline, S.E., Wang, S.L, Hanson, T. Relationship of cranial robusticity to cranial form, geography and climate in *Homo sapiens*. American Journal of Physical Anthropology. 141: 97-115.

2009 **Baab, K.L.**, McNulty, K.P. Size, shape and asymmetry in fossil hominins: the status of the LB1 cranium based on 3D morphometric analyses. Journal of Human Evolution. 57: 608-622.

2008 **Baab, K.L.** The taxonomic implications of cranial shape variation in *Homo erectus*. Journal of Human Evolution. 54: 827-847.

2008 **Baab, K.L.**, A re-evaluation of the species affinities of KNM-ER 42700. Journal of Human Evolution. 55: 741-746.

**Contributed Papers and Posters**

2026 Jung, H., Strait, D., Rolian, C., and **Baab, K.L.** Variation in lateral orbit shape in *Australopithecus*, *Paranthropus*, and early *Homo*. American Journal of Biological Anthropology. Suppl. Accepted.

2025 **Baab, K.L.,** Martin, J.M., Nesbitt, A., Schwartz, G.T., Leece, A.B., Baker, S.E., Herries, A.I.R., Strait, D.S. Brain development and evolution at the base of *Homo erectus*: insights from the Drimolen juvenile. European Society for the Study of Human Evolution (podium).

2025 Jung, H., **Baab, K.L.** Strait, D., Rolian, C. The role of the triangle of support in mandibular evolution: insights from evolutionary simulations. American Journal of Biological Anthropology. Suppl. 186: 83.

2024 **Baab, K.L.,** Rogers, M.J., Semaw, S. Frontal bone allometry and differentiation in *Homo erectus* and other archaic *Homo* fossils. American Journal of Biological Anthropology. Suppl. 183: 11.

2024 **Baab, K.L.,** Kaifu, Y., Freidline, S.E., Rogers, M.J., Semaw, S. A new face for an old species: Virtual reconstruction of the DAN5/P1 *Homo erectus* cranium. European Society for the Study of Human Evolution (pecha kucha).

2024 Jung, H., Rolian, C., Strait, D. and **Baab, K.L.** The evolvability of *Paranthropus boisei* skull morphology in the context of feeding biomechanics. American Journal of Biological Anthropology. Suppl. 183: 82.

2023 Malit, N.R., **Baab, K.L.,** Kirera, F.M., Waweru, V., Miggins, D.P., Ngalla, J., Omuombo, C., Kinyanjui, R., Grossman, A., Nderitu, F., Chege, L.N., Kinyua, R. The first occurrence of a Middle Pleistocene hominin from the Central Highlands of Kenya. American Journal of Biological Anthropology. Suppl. 180: 111.

2023 Jung, H., Strait, D. Rolian, C., **Baab, K.L.** Testing hypothesis about modularity related to chewing biomechanics in the hominine skull. American Journal of Biological Anthropology. Suppl. 180: 87.

2022 **Baab, K.L.,** Rogers, M., Bruner, E., Semaw, S. Comparative analysis of the Early Pleistocene Homo fossils from Gona, Ethiopia. American Journal of Biological Anthropology. Suppl. 73: 8.

2022 Kuzma, R.A., Strait, D.S., **Baab, K.L.** Morphological distance among *Homo erectus* paleodemes: Implications for population dynamics. American Journal of Biological Anthropology. Suppl. 73: 102-103.

2021 **Baab, K.L.** Comparing population history in the widely dispersed *Homo erectus* and *Homo sapiens* species. American Journal of Physical Anthropology. Suppl. 71: 7.

2021 Ward, D.L., Schroeder, L., Roy, J., Hertz, M, Uhl, A., Pomeroy, E., Stock, J.T., Copes, L., **Baab, K.L.**, Bence Viola, T., Silcox, M.T. Global bony labyrinth shape variation with climate and subsistence strategy. American Journal of Physical Anthropology. Suppl. 71: 11.

2019 **Baab, K.L.,** Nesbitt, A. Ontogeny of vault shape in *Homo erectus* with implications for KNM-ER 42700. American Journal of Physical Anthropology. Suppl. 68: 10.

2018 **Baab, K.L.** Craniofacial integration and evolution of hominins. American Journal of Physical Anthropology. Suppl. 66: 15.

2018 Ward, D. L., **Baab, K.L.**, Bence Violoa, T., Silcox, M.T. Using unintentional vault modification to evaluate integration of the bony labyrinth and cranium. American Journal of Physical Anthropology. Suppl. 66: 295.

2018 Arrington, S., Tafoya, B., Parker, T., Schaefer, C., **Baab, K.**, Pasch, B., Riede, T. The Shape of Silence: A Study of Rodent Laryngeal Structure. Poster presented at the 2018 Arizona Imaging and Microanalysis Society (AIMS) Annual Conference.

2018 Borgard, H.L., **Baab, K.**, Pasch, B., Riede, T. Geometric morphometrics applied to laryngeal functional morphology. Talk presented at 11th International Conference on Voice Physiology and Biomechanics ("ICVPB 2018").

2017 **Baab, K.L.**, O'Neill, M.C., Hammond, A.S., Jungers, W.L. Comparative Morphometric Analysis and Digital Reconstruction of the *Homo floresiensis* Pelvis. American Journal of Physical Anthropology. 162: 106.

2015 **Baab, K.L.,** Perry, J.M.G., Rohlf, F.J., Jungers, W.L. Lemur craniomandibular diversification in relation to dietary ecology. Journal of Vertebrate Paleontology, Program and Abstracts: 82.

2015 **Baab, K.L.**, Falk, D., Brown, P., Richtsmeier, J.T., McNulty, K., Hildebolt, C.F., Prior, F.W., Smith, K.E. Jungers, W. A re-evaluation of the Down syndrome diagnosis for LB1. American Journal of Physical Anthropology. 156 (S60): 74.

2015 Nesbitt, A., **Baab, K.L.** The magnitude of covariation among regions of the human cranium. American Journal of Physical Anthropology. 156 (S60): 235.

2013 **Baab, K.L.,** Perry, J.M.G. Assessing function via shape: what is the place of geometric morphometrics in functional morphology? American Journal of Physical Anthropology.

2012 **Baab, K.L.** Using pathology to explore cranial integration in *Homo sapiens*. American Journal of Physical Anthropology. 147 (S54): 88.

2011 **Baab, K.L**. Rohlf, F.J., Jungers, W.L., Perry, J.M.G. Application of phylogenetic comparative methods to the adaptive radiation of Malagasy lemurs. American Journal of Physical Anthropology. 144 (S52): 79.

2010 **Baab, K.L.** Comparison of the LB1 neurocranium to extinct hominins, normal and pathological modern humans. American Journal of Physical Anthropology. 141 (S50): 59.

2009 **Baab, K.L.**, Jungers, W.L. Cranial shape variation in extant and giant subfossil lemurs from Madagascar. American Journal of Physical Anthropology. (S48): 81.

2008 **Baab, K.L.** A shape-based species definition for *Homo erectus*. American Journal of Physical Anthropology (S46): 62.

2007 **Baab, K.L.**, McNulty, K.P., Brown, P. Allometric scaling of craniofacial shape: implications for the Liang Bua hominins. PaleoAnthropology A2.

2007 **Baab, K.L.** Magnitude and pattern of geographic variation in cranial shape within *Homo erectus*, especially from Asia. American Journal of Physical Anthropology (S 44): 66-67.

2006 **Baab, K.L**., Friedline, S.E., Wang, S.L. An investigation of robusticity in modern human crania: implications for *Homo erectus*. PaleoAnthropology A50.

2006 McNulty, K.P., **Baab, K.L.**. Sexual dimorphism in hominine supraorbital morphology. American Journal of Physical Anthropology. 129 (S42): 128-129

2006 McNulty, K.P., **Baab, K.L.** Sexual dimorphism in hominin supraorbital morphology. PaleoAnthropology. Appendix: A65.

2006 Harvati, K., Panagopoulou, E., Karkanus, P., Frost, S.R., Athanassiou, A., Elefanti, P., Schrein, C., **Baab**, **K.**, Henderson, E., Tourlonkis, E., Garefalakis, C. New findings of the Aliakmon Paleolithic Survey, Greece 2004-2006. PaleoAnthropology. Appendix: A61.

2006 Harvati, K., Panagopoulou, E., Karkanus, P., Frost, S.R., Athanassiou, A., Elefanti, P., Schrein, C., **Baab**, **K.**, Henderson, E., Tourlonkis, E., Garefalakis, C. New findings of the Aliakmon Paleolithic Survey, Greece 2004-2006. Presented to the congress of the International Union for Prehistoric and Protohistoric Sciences, Lisbon, Portugal, September 2006.

2004 **Baab, K.L.**, Harvati, K. A 3-D analysis of shape differences in the scapula between Neanderthals and modern humans using geometric morphometrics (abstract). American Journal of Physical Anthropology. 123 (S38): 57.

2003 **Baab, K.L.**, Ting, N., Capellini, T.D., Hagell, S.E. Precision in 3-D landmark data collection for geometric morphometrics. American Journal of Physical Anthropology. 120 (S36): 61-62.

2003 Delson, E., Reddy, D., Rohlf, F.J., Frost, S., Friess, M., McNulty, K., **Baab**, **K.**, Capellini, T., Hagell, S.E. 3-D visualization of inferred intermediates on a phylogenetic tree –implications for paleoanthropology. American Journal of Physical Anthropology. 120 (S36): 86-87.

**Other Publications and Presentations**

2018 **Baab, K.L.** Evidence of early humans outside of Africa. Desperta Ferro Ediciones (popular science magazine in Spain). In press. *Invited*

2012 **Baab, K.L.** *Homo floresiensis*: Making sense of the small-bodied hominin fossils from Flores. Nature Education Knowledge 3(9): 4. *Invited*

2012 **Baab, K.L.** Book Review of *Wiley-Blackwell Encyclopedia of Human Evolution* (by B. Wood, 2011) Quarterly Review of Biology. 87: 59-60. *Invited*

2011 Delson, E., **Baab**, **K.L.** Fossil Humans in *McGraw-Hill Encyclopedia of Science and Technology* ed. 10, vol. 7, 464-478. *Invited*

2010 Jungers, W., **Baab, K.** The geometry of hobbits: *Homo floresiensis* and human evolution. Significance. 6: 159-194. *Invited*

2009 McNulty, K.P, **Baab, K.L.** The Fossil "Hobbits" of Flores: Perspectives from morphometric simulation. AnthroQuest (Newsletter of The Leakey Foundation).

2009 **Baab, K.L.** Fossil Hominids from Dmanisi. 2009 *McGraw-Hill Encyclopedia of Science and Technology*. *Invited*

2009 **Baab, K.L.** Paleoanthropology 2009: The Chicago Meetings. Evolutionary Anthropology. 18: 84.

2009 St. Clair, E.M., **Baab, K.L.** Throwing light on human evolution in Africa. Evolutionary Anthropology. 18: 121-122.

2008 **Baab, K.L.**, Book Review of *A New Human: The Startling Discovery and Strange Story of the "Hobbits" of Flores, Indonesia* (by M. Morwood and P. van Oosterzee, 2007). American Journal of Physical Anthropology. 136: 369-370. *Invited*

## GRANT SUPPORT

**Extramural**

2021-2023 **National Science Foundation (PI)** $330,000
*Testing Adaptive Hypotheses of Plio-Pleistocene Hominin Craniofacial Evolution*

2013-2015 **L.B.S. Leakey Foundation Research Grant (PI)** $19,100
*Integration of Robust Features Across the Cranial and Postcranial Skeleton*

2005-2007 **L.B.S. Leakey Foundation Research Grant (PI)** $4,500
*Cranial Shape Variation in* Homo erectus*: A Geometric Approach*

2004-2007 **National Science Foundation** (Doctoral Dissertation Improvement Grant) $10,000
*Cranial Variation in* Homo erectus

2004 **Sigma Xi** Grants-In-Aid of Research $1,000
*Cranial Variation in* Homo erectus

**Intramural**

2021-2023 **Midwestern University Postdoctoral Fellowship Program** $78,000
*Supports a three-year postdoc position in my lab*

## PROFESSIONAL SOCIETY MEMBERSHIPS

European Society for the study of Human Evolution
American Association of Biological Anthropologists
Paleoanthropology Society
European Virtual Anthropology Network (EVAN) Society
American Association of Anatomists

## SERVICE

### University

| | |
|---|---|
| 2022-Current | Member, University Research Committee (MWU) |
| | Chair, Faculty Excellence Awards 2026 |
| | Chair, IT-ORSP-URC Subcommittee 2022-2023 |
| 2023 | Invited Researcher, Board of Trustees Research Expo |
| 2024-2025 | Member, Bioethics Committee |
| 2022-2023 | Ad Hoc University Task Force on Scrap Paper Use in Testing Center (MWU) |
| 2019-2023 | Senator (Arizona College of Osteopathic Medicine), Faculty Senate (MWU) |
| 2018-2022 | Member, Faculty Development Committee (MWU) |
| 2017-2018 | Member, Bioethics Committee (MWU) |
| 2016-2018 | Member, Admissions Committee (PA Program, MWU) |
| 2016-2018 | Judge, Kenneth Suarez Research Day (MWU) |
| 2015-2016 | Member, Wellness Committee (MWU) |
| 2015-2016 | Member, College of Health Sciences, Student Promotion and Graduation Committee (MWU) |

### College

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| 2020-2024 | Co-Chair Curriculum Subcommittee for College of Graduate Studies Diversity and Inclusion Taskforce (MWU) |
| 2020-2024 | Member, Admissions Subcommittee for College of Graduate Studies Diversity and Inclusion Taskforce (MWU) |
| 2019-2020 | Member, Research Committee for College of Graduate Studies (MWU) |
| 2017-2018 | Member, Intramural Grant Committee for College of Graduate Studies (MWU) |

### Department

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| 2024-Present | Coordinator, NMM Clinical Anatomy Presentations |
| 2019-2022 | Member, Committee to Develop Tenure and Promotion Guidelines (Dept. Anatomy, MWU) |
| 2020 | Chair, Search Committee for Research Assistant (Dept. Anatomy, MWU) |
| 2018 | Member, Search Committee for Assistant Professor (Dept. Anatomy, MWU) |
| 2018 | Member, Search Committee for Research Assistant (Dept. Anatomy, MWU) |
| 2014-2020 | Administrator for Web-Ex technology, (Dept. Anatomy, MWU) |
| 2013 | Member, Admissions Committee for M.A. Program (Dept. Anthropology, SBU) |
| 2013 | Member, Teaching Assistance Committee for Interdepartmental Doctoral Program in Anthropological Sciences (SBU) |
| 2012 | Member, Search Committee for Assistant Professor (Dept. Anthropology, SBU) |
| 2010-2014 | Library Representative, (Dept. Anthropology, SBU) |
| 2011 | Organized informal eight week “Geometric Morphometrics” seminar for graduate students (Dept. Anthropology, SBU) |

### External

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| 2022-Current | Member, Program Committee for 2022 American Association of Biological Anthropology Meetings |
| 2016-Current | Member, Review Committee for Cobb Professional Development Grant (American Association of Biological Anthropology) |
| 2021-2026 | Judge, AzSEF Science Fair |
| 2019 | Co-Organizer 'Women in STEM' event at Highland Lakes Middle School |
| 2017-2019 | Highland Lakes Middle School Science Fair |

## STUDENTS AND POSTDOCS

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|---|---|
| 2024-Current | External Committee Member, Ph.D. committee for Daniel Cusimano (University of Hawaii) |
| 2021-2024 | Postdoctoral Supervisor, Hyunwoo Jung |
| 2022-2024 | External Committee Member, Ph.D. committee for Rachel Kuzma (Washington University, St. Louis) |
| 2022-2023 | External Committee Member, Ph.D. committee for Ryan McRae (George Washington University) |
| 2020-2023 | Member, M.S. committee for Breanna Aikens |
| 2010-2017 | Ph.D. Supervisor for Allison Nesbitt (SBU) |
| 2011-2013 | Member, M.A. committees for Ronda Graves, Katherine Goodenberger, Stephanie Blatch, and Molly Elmer (SBU) |
| 2013 | Supervised High School student Alexandra Zigomalas (The Siemens Competition in Math, Science and Technology and Intel International Science and Engineering Fair) |

## PROFESSIONAL AND PUBLIC SERVICE ACTIVITIES

### Grant Reviews

*National Science Foundation (NSF)*

*Leakey Foundation*

*Natural Sciences and Engineering Research Council of Canada (NSERC)*

*National Science Centre, Poland*

### Peer Reviews

*Science, Nature Ecology and Evolution, Evolutionary Biology, Journal of Human Evolution, American Journal of Physical Anthropology, Anthropological Science, Journal of Anthropological Science, Journal of Biogeography, Anthropologischer Anzeiger, Anatomical Record, PLOS ONE*

## SEMINARS AND PROFESSIONAL PRESENTATIONS

### Chaired Symposia

04/2020 "From Old Monkeys to New Morphometrics: A Symposium Honoring the Scientific Contributions of Eric Delson" Symposium, American Association of Physical Anthropology, Los Angeles **Presented in 2022 due to COVID**

06/2017 "The Evolution of Form and Function in the Hominin Pelvis" Symposium, American Association of Physical Anthropology, New Orleans

**Invited Symposia**

04/2024 "William L. Jungers, a giant in the fields of paleoanthropology, size and scaling, and functional morphology: A commemorative tribute" Podium, American Association of Biological Anthropology, Los Angeles

10/2015 "The Shape of Things To Come: Geometric Morphometrics in Vertebrate Paleontology" Podium, Society of Vertebrate Paleontology Meetings. Dallas

08/2010 "Stop the Presses! A Magazine to Shout for Statistics!" Special Presentation, Joint Statistical Meetings. Vancouver

**Invited Conferences**

10/2014 "What made us human? Biological and cultural Evolution of *Homo sapiens*" Symposium, The International School of Ethology of the Ettore Majorana Centre for Scientific Culture. Erice, Italy.

05/2014 Peking Man International Research Conference, Confucius Institute, Stony Brook University

02/2009 "Darwin's Legacy: Early Human Evolution in Africa" Conference (NYCEP), New York City

**Invited Seminars**

3/2026 Journal Club, University of Colorado Denver (virtual)

5/2025 Seminar, University of California, Davis Colloquium Series

4/2024 Biological Anthropology Research Seminar Programme at the Australian National University, Canberra

12/2020 Seminar, Paleo Talks (virtual)

04/2019 Seminar, Institute of Human Evolution, Arizona State University

02/2019 Seminar, Department of Anthropology, Washington University

11/2014 Seminar, National Museum of Nature and Science, Anthropology Department, Tsukuba, Japan

06/2012 Seminar, Département Hommes, Nature, Sociétés, Muséum national d'Histoire naturelle, Paris

04/2011 New York Regional Primatology colloquia, NYCEP

04/2009 Seminar, Department of Evolutionary Anthropology, Duke University

02/2008 Seminar, Turkana Basin Institute and Paleobiology Seminar Series, Stony Brook University

## PUBLIC OUTREACH

2026 Interviewed about *Homo erectus* for New Scientist human evolution video series

2026 Anatomy Teaching Workshop, National Rural STEM Learning Summit

2026 Foothills Branch Library Community Health Lecture Series 2026 “Lessons from a 1.5-million-year-old face.”

2026 Interviewed about DAN5 face reconstruction for ‘Evolution Soup’ YouTube Channel

2021 Interviewed about *Homo erectus* for ‘Evolution Soup’ YouTube Channel

2020 Interviewed about *Homo floresiensis* for ‘Evolution Soup’ YouTube Channel

2017 Foothills Branch Library Community Health Lecture Series 2017 “The ‘Hobbits’ of Southeast Asia: A Controversial New Human Species”

2016 Interviewed about *Homo floresiensis* for New York Times.

2013 Interviewed about *Homo floresiensis* for New York Times and Newsday

2009 Interviewed about *Homo floresiensis* for National Geographic News and Newsday.

2008 Interviewed about position of *Homo erectus* in human evolution for “A New Hominin” episode in video teaching series “Introduction to Physical Anthropology.”

## TEACHING EXPERIENCE

**Midwestern University**

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|---|---|
| Anatomical Sciences (School of Medicine, College of Podiatric Medicine) | Instructor 2021-2026 |
| Human Anatomy & Embryology (College of Health Sciences) | Module Leader 2016 |
| | Course Director 2018, 2020 |
| Head and Neck Anatomy (Dentistry / Optometry) | Module Leader 2017-2024 |
| Integrated Basic Sciences (Spring Quarter) | Course Director 2024-2026 |

**Stony Brook University**

Human Anatomy (Undergraduate)

Introduction to Physical Anthropology (Undergraduate)

Seminar: Hominins in the Headlines (Undergraduate)

Human Gross Anatomy (School of Dental Medicine)