

Hannah N. Farrell

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APPOINTMENTS

University of North Texas Health, Fort Worth **2026 – pres.**
Assistant Professor, Department of Physiology and Anatomy
Center for Anatomical Sciences Fort Worth, TX

University of Chicago **2024 – 2026**
Postdoctoral Scholar, Department of Organismal Biology and Anatomy
Chicago, IL

EDUCATION

University of Chicago **June 2024**
Ph.D. *Integrative Biology* Chicago, IL
Thesis: *Identifying Locomotor Adaptations in the Hominoid Clavicle and the Implications for Interpreting Hominin Behavior*
Advisor: Zeresenay Alemseged

University of Chicago **2022**
M.S. *Integrative Biology* Chicago, IL
Advisor: Zeresenay Alemseged

University of California, Berkeley **2019**
B.A. *Integrative Biology*, Concentration: Human Biology and Health Science
B.A. *Anthropology* Berkeley, CA

RESEARCH AND PUBLICATIONS

In Review/Revision

(*In press*) **Farrell, H.N.**, Luková, A., Bachmann, S., Sprigs, K., Synek, A., Pahr, D.H., Tsegai, Z.J. **The impact of footwear on human talar trabecular architecture.** *Journal of Anatomy*.

(*In revision*) Pickering, T.R.[†], **Farrell, H.N.**[†], Heaton, J.L., Carlson, K.J., Clarke, R.J., Caruana, M.V., Kuman, K., Stratford, D., Cazanave, M. **First Primate Clavicles from Swartkrans Cave: Further Indications of Habitual Arboreal Behavior in Some Early Pleistocene South African Hominins.** *American Journal of Biological Anthropology*.

(*In revision*) Lukova, A., Cazenave, M., Bachmann, S., Dunmore, C.J., Synek, A., Dieter P.H., **Farrell, H.N.**, Berger, L.R., Zipfel, B., Kivell, T.L., Tsegai, Z.J., Skinner, M.M. **Multiple ways of being bipedal: evidence from trabecular and cortical bone structure of the Homo naledi foot.** *Scientific Reports*.

[†] denotes equal contribution

Journal Articles

- (2025b) **Farrell, H.N., Alemseged, Z. Clavicular evidence for continued arboreality in *Australopithecus*. *Journal of Human Evolution*.
<https://doi.org/10.1016/j.jhevol.2025.103714>**
- (2025) **Farrell, H.N., Schwartz, R.*, Tsegai, Z.T., Alemseged, Z. Locomotor signals in the trabecular structure of the hominoid clavicle. *Journal of Anatomy*.
<https://doi.org/10.1111/joa.14243>**
- (2025a) **Farrell, H.N., Alemseged, Z. Locomotor adaptation in the hominoid clavicle through ontogeny. *Journal of Human Evolution*.
<https://doi.org/10.1016/j.jhevol.2025.103652>**
- (2024) **Schwartz, R.*, Farrell, H.N., Alemseged, Z. Trabecular Bone Response Variation in the Hominoid Clavicle. *Cambridge Journal of Human Behaviour*. *undergraduate mentee**
- *undergraduate mentee

Conference Presentations

- (2025) **Farrell, H.N., Bachmann, S., Tsegai, Z.T. Footwear impacts the trabecular architecture of the medial column of the human foot. European Society for the Study of Human Evolution Annual Meeting. (podium)**
- (2025) **Farrell, H.N., Tsegai, Z.T. The impact of footwear on human talar trabecular architecture. American Association of Anatomy, Anatomy Connected 2025. (podium)**
- (2024) **Farrell, H.N., Alemseged, Z. Locomotor signals in the clavicle of *Australopithecus afarensis*. Program of the 93rd Annual Meeting of the American Association of Biological Anthropologists. (podium)**
- (2024) **Farrell, H.N., Alemseged, Z. Covariation in the cortical and trabecular structure of the ape clavicle. The Society for Integrative and Comparative Biology Meeting Abstract. (podium)**
- (2024) **Sellers, K.C., Prado, F.B., Smith, A., Alemseged, Z., Robinson, C.A., Taylor, A., Ward, C.V., Wilken, A., Iriarte-Diaz, J., Farrell, H.N., Panagiotopoulou, O., Ross, C.F. The relationships between skull shape, muscle morphology, and muscle force vector orientation during chewing in hominids. Program of the 93rd Annual Meeting of the American Association of Biological Anthropologists. (podium)**
- (2024) **Prado, F.B., Smith, A., Robinson, C.A., Taylor, A., Ward, C.V., Sellers, K.C., Wilken, A., Iriarte-Diaz, J., Panagiotopoulou, O., Farrell, H.N., Ross, C.F. Symphyseal biomechanics of extant hominids during simulated chewing. Program of the 93rd Annual Meeting of the American Association of Biological Anthropologists. (poster)**
- (2023) **Farrell, H.N., Alemseged, Z. Ontogenetic shape changes in the hominoid clavicle and the morphology of the *Australopithecus afarensis* juvenile DIK-1-1. Program of the 92nd Annual Meeting of the American Association of Biological Anthropologists. p. 51. (podium)**
- (2023) **Schwartz, R.*, Farrell, H.N., Alemseged, Z. Trabecular response to variation in loading environments in the hominoid clavicle. Program of the 92nd Annual Meeting of the American Association of Biological Anthropologists. p. 158-159. (poster)**

- (2023) **Farrell, H.N., Ross, C.F., Alemseged, Z. Cortical bone distribution in the hominoid clavicle through ontogeny.** The Society for Integrative and Comparative Biology Meeting Abstract. (*podium*)
- (2022) **Farrell, H.N., Ross, C.F., Alemseged, Z. The internal architecture of the hominoid clavicle and its implications for assessing locomotor behavior.** Program of the 91st Annual Meeting of the American Association of Biological Anthropologists. p. 56. (*podium*)
- (2022) **Farrell, H.N., Ross, C.F., Alemseged, Z. Cross-sectional geometry of the hominoid clavicle and its relationship to locomotor behavior.** The Society for Integrative and Comparative Biology Meeting Abstract. (*poster*)

**undergraduate mentee*

GRANTS

- (2023) Doctoral Dissertation Research Improvement Grant (Biological Anthropology), **National Science Foundation**
- (2022) Hinds Funds Endowment, **Committee on Evolutionary Biology**
- (2021) Leakey Foundation Research Grant, **The Leakey Foundation**

AWARDS AND CERTIFICATES

- (2025) Postdoctoral Platform Presentation Award (*1st Place*), **American Association for Anatomy**
- (2025) Certificate of Completion, **University of Chicago** [Postdoctoral Mentor Training Course](#)
- (2025) Certificate of Completion, **University of Chicago** [Postdoctoral DEI Training Course](#)
- (2024) Journal of Human Evolution Student Presentation Prize on Human or Primate Evolution, **American Association of Biological Anthropologists**
- (2020 – 2021) Divisional Teaching Assistantship Award, **University of Chicago Biological Sciences Division**

INVITED LECTURES

- (2024) *Homo: sole survivor of a diverse lineage.* **University of Chicago**, *From Fossils to Fermi's Paradox: Origin and Evolution of Intelligent Life.*
- (2024) What makes a primate? **University of Chicago**, *Mammalian Evolutionary Biology.*
- (2024) Evolutionary insights through holistic morphological analysis. **University of Chicago**, *New Ways to Study Anatomy: A collaborative effort between University of Toulouse and University of Chicago.*
- (2024) Old bones, new tricks: leveraging micro-CT imaging to reveal signals of adaptation in the fossil record. **University of Chicago**, *Comprehensive Approaches to the Evolution of Craniomandibular Morphologies Workshop.*

TEACHING

University of Chicago – Pritzker School of Medicine
 Head Teaching Assistant, 'Human Body' 2022
 Laboratory Assistant, 'Human Body' 2023

2022 – 2023
 Chicago, IL

University of Chicago

Teaching Assistant, 'The 3.5 Billion Year History of the Human Body'

Autumn 2020, Autumn 2021

Chicago, IL

MENTORSHIP**Rena Schwartz****2022 – 2024**

Undergraduate, University of Chicago

Honors Thesis: *Trabecular Tapestries: A Closer Look at Factors in Subarticular Response to Tensile and Compressive Loading in the Hominoid Clavicle***Kaylen Ng****2024**

High School Student, Whitney Young Magnet High School

Lily Levine**2024 – 2026**

Undergraduate, University of Chicago

Karley Spriggs**2025 – 2026**

Post-graduate, Adjunct Lecturer at Indiana University Northwest

Eva Salas**2025 – 2026**

Undergraduate, University of Chicago

COMMUNITY EDUCATION AND OUTREACH**Field Museum of Natural History – Learning Center****January 2020 – January 2026**

Discovery Squad Volunteer

Chicago, IL

Volunteer Docent

Skype-A-Scientist**March 2020 – April 2024**

Volunteer Scientist

Chicago, IL

Expanding Your Horizons**December 2019 – April 2024**

Workshop Creator and Facilitator

Chicago, IL

Letters to a Pre-Scientist**September 2020 – June 2023**

STEM Professional Pen-Pal

Chicago, IL

PROFESSIONAL SERVICE AND ENGAGEMENT**Manuscript Reviewer**American Journal of Biological Anthropology, Anatomical Record, Scientific Reports,
Evolutionary Human Sciences**Becoming A Leader, Professional Development Workshop****November 2024 – June 2025***Warner-Reynolds Leadership Academy Program*

Postdoctoral Participant

BSD Divisional Faculty Search Committee**September 2024 – March 2025**

Postdoctoral Representative

Biological Sciences Division Dean's Council**September 2020 – May 2024**

Program Representative

Chicago, IL

Midwest Regional SICB, Chicago**April 2023**

Co-lead Organizer

Chicago, IL

Graduate Admissions Student Representative**December 2022 – April 2023**

Integrative Biology Graduate Program	Chicago, IL
G.R.I.T. (Graduate Recruitment Initiative Team)	September 2020 – September 2023
General Body Member	Chicago, IL
Keystone Mentorship Initiative	September 2020 – August 2023
Integrative Biology Program Head	Chicago, IL
IB Diversity, Equity, Inclusion, and Accessibility Committee	September 2020 – June 2022
Founding Member	Chicago, IL
Committee Chair (2021 – 2022)	