

Cristina M. Gildee

Pronouns: she/her

Department of Anthropology

University of Washington

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Education

- Present Ph.D. Candidate, Biological Anthropology – *Degree expected June 2025*
University of Washington, Seattle, Washington
Thesis: *The Cost of Reproduction for Bone Remodeling: Implications for Aging Research*
Committee Members: Dr. Patricia Ann Kramer, Dr. Melanie Martin, Dr. Dan T.A. Eisenberg
- 2021 M.A. Biological Anthropology
University of Washington, Seattle, Washington
- 2019 B.S. Biological Anthropology
University of Washington, Seattle, Washington

Research Positions

Predoctoral Research Associate (2022-present)

Department of Anthropology, University of Washington, Seattle

Principal Investigator: Patricia Ann Kramer, Ph.D.

Lead Graduate Research Assistant (2022-23)

Sleep and Homelessness Project, University of Washington, Seattle

Principal Investigators: Horacio de la Iglesia, Ph.D.; Melanie Martin, Ph.D., Zack Almquist, Ph.D.

Funded through a University of Washington Population Health Initiative Tier 1 Pilot Research Grant: “*Sleep Health in People Experiencing Homelessness*”

Graduate Research Assistant (2021-22)

Department of Orthopaedics and Sports Medicine, University of Washington, Seattle

Principal Investigator: Patricia Ann Kramer, Ph.D.

Funded through a Jerome H. Debs II Endowed Chair Fellowship

Graduate Research Assistant (2019-21)

Primate Evolutionary Biomechanics Laboratory (PEBL), University of Washington, Seattle

Principal Investigator: Patricia Ann Kramer, Ph.D.

Funded, in part, through an Office of Graduate Student Equity & Excellence (GSEE) Fellowship

Undergraduate Research Assistant (2018-19)

Primate Evolutionary Biomechanics Laboratory (PEBL), University of Washington, Seattle
Principal Investigator: Patricia Ann Kramer, Ph.D.

Undergraduate Research Assistant (2018-19)

Harborview Foot and Ankle Clinic, University of Washington Medical Center, Seattle
Principal Investigator: Patricia Ann Kramer, Ph.D.
Supervisor: Kalyani Rajopadhye, P.T., M.H.S., O.C.S.

Publications

In preparation and under review

* = undergraduate mentee co-author

Gildee CM, Kramer PA (*under review*). 'Association between parity and bone mineral density in the National Health and Examination Survey.' *American Journal of Human Biology*.

Rice A, Casiraghi LP, **Gildee CM**, Almquist ZW, Hagopian A, Martin MA, de la Iglesia HO. (*under review*). 'Sleep in People Experiencing Homelessness Under Different Conditions and Seasons.' *Science*

Gildee CM, Kramer PA. (*in preparation*). 'Variation in bone mineral density with age: insights from the National Health and Examination Survey.'

*Hinton HM, **Gildee CM**, Martin MA. (*in preparation*). 'Fecal neopterin levels during infancy and their association with growth.'

Tennyson RL, *Nanda AN, **Gildee CM**, *Rainsberger K., Eisenberg DTA. (*in preparation*). *Physical activity moderates the association between childhood psychosocial stress and adult telomere length in a sample of NCAA student-athletes and non-athlete college students.*
Preregistration and results: <https://osf.io/s2cu/>

Research Presentations

* = undergraduate mentee co-author

Gildee CM, Kramer PA (2024). 'Association between parity and bone mineral density in NHANES' Flash Talk at the Annual Meeting of the Human Biology Association, Los Angeles, California.

Gildee CM, Kramer PA (2024). 'Differences in regional bone mineral density with age in NHANES' Podium Presentation at the Annual Meeting of the American Association of Biological Anthropologists, Los Angeles, California.

*Hinton H, **Gildee CM**, Rice A, Almquist Z, Hagopian A, de la Iglesia H, Martin MA. (2024). *'Health markers among people experiencing homelessness'* Poster Presentation at the Annual Meeting of the American Association of Biological Anthropologists, Los Angeles, California.

Gildee CM, Martin MA, Tennyson RL, Brindle E, Pan TD. (2023). *'Does pre-analytical variation in dried blood spot collection impact C-reactive protein measurement?'* Poster presentation at the Human Biology Association Annual Meeting, Reno, Nevada.

*Hinton H, **Gildee CM**, Garcia A, Trumble B, Gurven M, Martin MA. (2023). *'Tsimane Fecal Neopterin Levels Decline During Infancy'* Poster presentation at the Annual Meeting of the American Association of Biological Anthropologists, Reno, Nevada.

Gildee CM, Hammerberg AG, Kramer PA. (2022). *'Ground reaction force and contact time improve energetic expenditure prediction'* Poster presentation at the Annual Meeting of the American Association of Biological Anthropologists, Denver, Colorado.

Gildee CM, Ochoa M, Zaehring H, Feuerriegel EM, and Kramer PA (2020). *'Ankle kinematics during bipedal incline walking with burden'* Accepted presentation at the Annual Meeting of the American Association of Physical Anthropologists, Los Angeles, California. *Meeting Cancelled

Gildee CM, Feuerriegel EM, Rajopadhye K, Kramer PA (2019). *'Reliability of Goniometer Measurements to Determine Ankle Dorsiflexion: Implications for Assessment of Gastrocnemius Equinus'* Poster presentation at Annual American Association of Physical Anthropologists Meeting, Cleveland, Ohio.

Teaching Experience

Teaching Associate – BIOL 310: Survey of Human Anatomy

Instructor: Dr. Casey Self

University of Washington, Seattle, Autumn Quarter, 2022

Responsibilities: Design and facilitate weekly lab-based teaching sessions; develop lab-based assignments and exam questions for an undergraduate-level course. ~40 students.

Teaching Assistant – BIO A 201: Principles of Biological Anthropology

Instructor: Dr. Andrea Duncan

University of Washington, Seattle, Autumn Quarter, 2021

Responsibilities: Design and facilitate weekly lab-based teaching sessions; develop lab-based assignments and exam questions for an undergraduate-level course. ~100 students.

Teaching Assistant – BIO A 355/BIOL 385: Evolutionary Medicine and Public Health

Instructor: Dr. Dan T.A. Eisenberg

University of Washington, Seattle, Spring Quarter, 2021

Responsibilities: Facilitate weekly reading group discussion sessions online; assist in developing exam questions for an undergraduate-level course. ~100 students.

Teaching Assistant – BIO A 344: Applied Biomechanics of Human Movement

Instructor: Dr. Patricia Ann Kramer

University of Washington, Seattle, Winter Quarter, 2021

Responsibilities: Facilitate weekly lab-based teaching sessions online; review lab-based assignments and exam questions for an undergraduate-level course. ~30 students.

Teaching Assistant – BIO A 454/455: Laboratory Methods in Hormones and Behavior

Instructor: Dr. Melanie Martin

University of Washington, Seattle, Autumn Quarter, 2020

Responsibilities: Facilitate weekly lab-based teaching sessions online; review lab-based assignments and exam questions for an undergraduate-level course. ~30 students.

Research Awards

Pre-dissertation Pilot Research Award (2021-22) \$3,428

‘A Variable Terrain Treadmill: Development and Validation’

Department of Anthropology, University of Washington

Student Technology Award (2021) \$9,144

‘Primate Evolutionary Biomechanics Lab Computing Refresh’

Student Technology Fund, University of Washington, Seattle

Technology grant to fund the purchase of a high-powered remote computing workstation to increase accessibility during COVID campus closure and support the research needs of the students in the Department of Anthropology

Student Technology Award (2019) \$29,044

‘Updating and Expanding 3D Scanning and Printing Capabilities for the Department of Anthropology’

Student Technology Fund, University of Washington, Seattle

Technology grant to fund the purchase of a 3D scanner and 3D printer to support the research needs of the students in the Department of Anthropology

Fellowships

Ongoing

Pre-Doctoral Traineeship - NIH/NIA T32 AG066574 (2023-present)

Biological Mechanisms of Healthy Aging Program

Department of Pathology, University of Washington

Annual stipend and partial tuition

Pre-Doctoral Training Fellowship (2023-present)

Jerome H. Debs II Endowed Chair in Orthopaedic Traumatology

Department of Orthopaedics, University of Washington

Annual stipend and tuition support for NIH/NIA T32 AG066574

Past

Graduate Student Equity and Excellence (GSEE) Fellowship (2019-20)

University of Washington, Seattle

Competitive fellowship (annual stipend and tuition waiver) to increase the participation of historically underrepresented groups in graduate-level education

Honors and Awards

Graduate and Professional Student Senate Travel Award (2023) \$300

Graduate and Professional Student Senate, University of Washington, Seattle

Graduate and Professional Student Senate Travel Award (2022) \$300

Graduate and Professional Student Senate, University of Washington, Seattle

Provost's Ph.D. Fellowship Grant (2020-21) \$10,000

University of Washington, Seattle

Stipend to support summer research over two years

Eck Student Support Grant (2019) \$442

Department of Anthropology, University of Washington, Seattle

Committee on Diversity Undergraduate Research Symposium Travel Award (2019) \$250

American Association of Physical Anthropologists

Academic Excellence Award (2018-19) \$4,000

University of Washington, Seattle

Mentorship

Hannah M. Hinton – B.S., University of Washington, 2024

Service Work

Graduate Student Representative for the Department

Department of Anthropology, University of Washington

Biological Anthropology Sub-Discipline Student Representative (2024-Present)

Biological Anthropology Tenure-Track Faculty Search Committee

Department of Anthropology, University of Washington

Graduate Student Member (2023-2024)

The Sausage of Science Podcast

Human Biology Association

Co-Producer and Human Biology Association Public Relations Committee Junior Service Fellow (2022-Present)

Diversity Committee

Department of Anthropology, University of Washington

Graduate Student Member; Biological Anthropology Representative (2021-Present)

Transfer Student Event
University of Washington
Graduate Student Guide, (September 2021)

Human Biology of Stress and Sports Research Team (HBSS)
Graduate Student Mentor (2020-present)

Harborview Foot and Ankle Clinic, University of Washington Medical Center
Volunteer Researcher
Supervisor/Trainer: Kalyani Rajopadhye PT, M.H.S., O.C.S. (Autumn 2018)

Languages

English
Spanish (*non-fluent*)
German (*non-fluent*)

Memberships

American Association of Biological Anthropologists (AABA)
Human Biology Association (HBA)
American Anthropological Association (AAA)
American Aging Association (AGE)
Association for Feminist Anthropology
Association of Black Anthropologists
Associated Students of the University of Washington (ASUW)
International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (UAW Local 4121)