**Emily Moes**

Department of Anthropology

University of New Mexico

Email: emilymoes@unm.edu

**Education**

University of New Mexico, Albuquerque, New Mexico

Ongoing Ph.D. Anthropology

University of New Mexico, Albuquerque, New Mexico

2019 M.S. Anthropology

Boise State University, Boise, Idaho

2016 M.A. Anthropology

Thesis title: *Reading Between the Lines: Indicators of Developmental Stress in Prehistoric Ohio Valley Children from Linear Enamel Hypoplasias*

Boise State University, Boise, Idaho

2014 B.A. Anthropology, Spanish

 Mathematics minor

**Research Interests**

Bioarchaeology, Dental Anthropology, Juvenile Osteology, Maternal Health, Growth and Development, Mortuary Analysis, Health, Life-style Changes and Adaptations, Human Variation

**Publications**

In Prep **Moes E,** O’Donnell L, Hill EC, Robinson M, Kennett DJ, Prufer K. Old age among ancient foragers: Evidence from the Middle Holocene in Belize. In: Wrobel G, Cucina A (eds.). *The Lives and Deaths of Ancient Mesoamerican Individuals.*

In Review Kennett DJ, Lipson M, Prufer KM, Mora-Marin D, George RJ, Rohland N, Robinson M, Edgar HJH, Hill EC, Ray EE, Lynch P, **Moes E**, O’Donnell L, et al. South-to-North migration preceded the advent of intensive farming in the Maya region. *Nature Communications*.

In Review Willermet C, **Moes E**, Rusk KM, Edgar HJH, Ragsdale CS. A view of stress and inequality in colonial Mexico City through cranial fluctuating asymmetry. In: Willermet C, Edgar HJH (eds.). *1521: The Biocultural Consequences of Conquest*

2021 O’Donnell L, **Moes E**. Linear enamel hypoplasia and mortality in the precontact Southwest United States. *Journal of Archaeological Sciences: Reports*. https://doi.org/10.1016/j.jasrep.2021.103153

2021 Hunley K, **Moes E*,*** Edgar HJH, Healy M, Mosley C. Self-estimated vs. DNA-estimated ancestry and the social construction of identity in New Mexicans of Spanish-speaking descent. *American Journal of Physical Anthropology.* http://doi.org/10.1002/ajpa.24380

2021 Edgar HJH, **Moes E**, Willermet C, Ragsdale C. Brief communication: conventional microscopy makes perikymata count and spacing data possible for large samples. *American Journal of Physical Anthropology.* http://doi.org/10.1002/ajpa.24369

2021 O’Donnell L, **Moes E**. Increased dental fluctuating asymmetry is associated with active skeletal lesions, but not mortality hazards in the pre-contact Southwest United States. *American Journal of Physical Anthropology*. 175(1): 156-171

2020 Kennett DH, Prufer KM, Culleton BJ, George RJ, Robinson M, Trask WR, Buckley GM, **Moes E**, Kate EJ, Harper TK, O’Donnell L, Ray EE, Hill EC, et al. Early isotopic evidence for maize as a staple grain in the Americas. *Science Advances*. 6, eaba3245.

2020 Edgar HJH, Daneshvari Berry S, **Moes E**, Adolphi NL, Bridges P, Nolte KB. New Mexico Decedent Image Database. Office of the Medical Investigator, University of New Mexico. [doi.org/10.25827/5s8c-n515.](http://doi.org/10.25827/5s8c-n515)

2018 **Moes E,** Blatt SH. Linear enamel hypoplasia in permanent dentition of children in the Late Archaic and the Late Prehistoric Ohio River Valley. *Dental Anthropology*. 31(2): 3-17.

2016 Blatt SH, Reid KC, Quade C, **Moes E**, Taylor K, Petersen K. Boots made for walking: Revisiting two late 19th century burials in Walter’s Ferry, Idaho. *Idaho Archaeologist.* 40(1): 1-20.

**Technical Reports and Published Abstracts**

2020 **Moes E**, Edgar HJH. Inter-cuspal fluctuating asymmetry of deciduous second molars is not different than their permanent homologues in contemporary New Mexicans. American Association of Physical Anthropology. Poster. (Conference cancelled).

2019 O’Donnell A, **Moes E**, Rusk K. Does dental fluctuating asymmetry predict lesion status in systemic stress indicators? Kind of… American Association of Physical Anthropology. 168: 180. Podium.

2019 Lynch P, Willermet C, **Moes E**, Edgar H, Ragsdale C. Similarities and differences in cranial trauma in high and low status cemeteries in Colonial Mexico City. American Association of Physical Anthropology. 168: 149. Poster.

2018 Hill EC, **Moes E**, Trask WR, Kate E, McKenzie C, Edgar HJH, Kennett DJ, Prufer KM. Current research on Late Pleistocene and Early Holocene human remains from the Bladen Nature Reserve in southern Belize. American Association of Physical Anthropology. 165: 120. Poster.

2018 Willermet C, Edgar HJH, **Moes E**, Ragsdale CS. Estimating African ancestry in two historic ossuaries in New Spain. American Association of Physical Anthropology. 165: 300. Podium.

2017 **Moes E,** and Blatt SH. A lesson in stressin’: A comparison of linear enamel hypoplasias in children from the prehistoric Ohio Valley. American Association of Physical Anthropologists. Poster.

2016 Blatt SH, **Moes E,** and Petersen K. Heavy-handed: Can handedness be detected from bilateral degeneration of the medial end of the clavicle? American Association of Physical Anthropologists. Poster.

2016 Ziker JP, Nolin DA, **Moes E**. Risky business: Subsistence change and reproductive decision making in an uncertain environment. American Association of Physical Anthropologists. Poster.

2015 Blatt SH, Taylor K, **Moes E,** and Schreier M. 10MO85: Rexburg Man, SHPO, ID

2015 Blatt SH, **Moes E,** Taylor K, and Petersen K. F101608: Walter’s Ferry. SHPO, ID

**Grants and Scholarships**

Submitted Doctoral Dissertation Research Improvement Grant, National Science Foundation

Submitted Dissertation Fieldwork Grant, Wenner-Gren Foundation

2021 GPSA Student Research Grant, University of New Mexico - $500

2020 Student Conference Award Program, University of New Mexico - $600

2019 GPSA New Mexico Research Grant, University of New Mexico - $3000

2019 GPSA Student Research Grant, University of New Mexico - $500

2018 LAII Field Research Grant, University of New Mexico - $1,085

2015 Grants-in-Aid of Research, Sigma Xi - $500

2015 Dan Montgomery Research Award, Boise State University - $400

2015 John and Florence Schaertl Scholarship, Boise State University - $2,500

2012 Wallace J. and C. Study Abroad Scholarship, University of Idaho - $2,500

2010 – 2014 American Express Four-Year Scholarship, Scholarship America - $16,000

2010 – 2012 Albertson Know-How-2-Go Award, University of Idaho - $4,000

**Professional Appointments**

2021 Instructor of record, Department of Anthropology (UNM)

2019-present Student Representative, Dental Anthropology Association

2017-present Research Assistant, Department of Anthropology (UNM)

2017-present Osteologist, Belize Paleoindian and Archaic Project (UNM)

2016-2017 Instructor of record, Department of Anthropology (BSU)

2014-2016 Graduate Teaching Associate, Department of Anthropology (BSU)

2014-2017 Instructor of record, Department of Mathematics (BSU)

2012-2014 Learning Assistant, Academic and Career Services (BSU)

**Field Experience**

Summer 2019 Bioarchaeologist, Belize Paleoindian and Archaic Project.

Summer 2017 Senior Archaeological Technician, Crew Chief, Idaho Army National Guard, Boise, ID.

May 2017 Bioarchaeology Technician, Belize Paleoindian and Archaic Project.

2016 Senior Archaeological Technician, Idaho Army National Guard, Boise, ID.

Summer 2015 Student in Field School in Medieval Archaeology and Bioarchaeology at Badia Pozzeveri with Ohio State University and University of Pisa in Altopascio, Italy.

Summer 2013 Student in Boise State University’s summer Archaeology Field School on the Snake River Plain.

**Lab Experience**

2017-present Osteological analysis at University of New Mexico of skeletons excavated for Belize Paleoindian and Archaic Project. Skeletal inventory analysis, age and sex estimation, paleopathology.

2016 Inventory analysis of archaic Native American skeletal remains (DeMoss) for the Idaho State Historic Preservation Office

2015-2016 Lab assistant in Osteology Laboratory, Department of Anthropology (BSU)

Summer 2015 Routine processing and cleaning of bones from Badia Pozzeveri, Italy

Summer 2013 During Boise State’s field school processed and catalogued artifacts and lithic debris on site.

**Teaching**

2021 Instructor of Record, Department of Anthropology (UNM): Introduction to Biological Anthropology, Laboratory

March 2021 Guest lecture on Developmental Origins of Health and Disease: Evolution of Health and Disease

2020-present Instructor of Record, University of St. Francis: Osteology

2016-2017 Instructor of Record, Department of Anthropology (BSU): Evolution and Human Behavior

2014-2017 Instructor of Record, Department of Mathematics (BSU): Intermediate Algebra; College Algebra

2014-2016 Graduate Assistant, Department of Anthropology (BSU): Biological Anthropology; Evolution and Human Behavior; Osteology; Forensic Anthropology

2012-2014 Mathematics Tutor, Department of Mathematics (BSU): Intermediate Algebra, College Algebra, Trigonometry, Calculus I-II, Differential Equations

**Service**

Officer – Dental Anthropology Association (2019-present)

Reviewer – Dental Anthropology Journal (1)

**Professional Affiliations**

2015-present American Association of Physical Anthropology

2016-present Sigma Xi, The Scientific Research Society

2017-present Dental Anthropology Association

**Skills**

Spanish – proficiency in speaking, reading, and writing

Computer Software – Statistical analysis in R, proficiency in ArcGIS, Agisoft Metashape

Maceration for skeletal donors

Human skeletal analysis and photography

Online teaching using LMS Blackboard and Canvas

Designing and conducting phone interviews for data collection

Technical writing for State Historic Preservation Office