

Nadia C. Neff, PhD Student

Department of Anthropology
University of New Mexico
Anthropology Annex B06E
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EDUCATION AND TRAINING

University of New Mexico PhD Student Department of Anthropology Archaeology Subfield	Albuquerque, NM 2019 - <i>present</i>
Fort Lewis College Visiting Instructor of Anthropology Department of Anthropology	Durango, CO 2017 - 2019
University of York Master of Science, Bioarchaeology Department of Archaeology <i>Graduated with Merit</i>	York, United Kingdom 2014 - 2016
Fort Lewis College Bachelor of Art, Anthropology Department of Anthropology <i>Graduated with Honors</i>	Durango, CO 2009 - 2013

RESEARCH EXPERIENCE

Contract Osteologist The Center for New Mexico Archaeology Supervisor: Dr. Ann Stodder	2019 - <i>present</i>
Research Assistant Environmental Archaeology Lab, University of New Mexico Supervisor: Dr. Keith Prufer	2019 - <i>present</i>
PhD Student University of New Mexico, Albuquerque, NM Advisors: Dr. Osbjorn Pearson, Dr Keith Prufer Specific Projects: <i>Assessing the feasibility of rodents as proxies for human dietary shifts, site use patterns, and environmental changes in Mesoamerica</i>	2019 - <i>present</i>

Masters Student

2014 – 2016

University of York, York, United Kingdom

Advisor: Dr. Matthew Collins

Identifying potential sites of conflict through the analysis of possible human bone fragments via ZooMS (Zooarchaeology by Mass Spectrometry).

- Studied the applications of using ZooMS for the identification of human bone fragments in archaeological and forensic contexts.
- Combined traditional field survey and documentation methods with biomolecular protein analysis to create human bone scatter maps to identify possible sites of conflict.
- Research based on a case study involving the Battle of Towton (1461) site.

Collagen extraction method testing in highly degraded bone fragments

- Tested collagen extraction methods (HCl demineralization versus AmBiC surface washing) on highly degraded bone fragments found in surface and top soil finds.
- Reported results to DPAA (Defense POW/MIA Accounting Agency) for possible future use in distinguishing between human/nonhuman bone in as minimally destructive of a way as possible.

Archaeological Lab Consultant for Battle of Fulford (1066) project

2016

University of York, York, United Kingdom

Advisor: Dr. Matthew Collins

- Ran protein analysis via ZooMS to determine human/nonhuman status of unidentifiable bone fragments found at possible Battle of Fulford (1066) site.

Undergraduate Student

2012 – 2013

Fort Lewis College, Durango, CO

Advisor: Dr. Dawn Mulhern

- Performed analysis testing accuracy of regression formulae involving the tarsal bones developed for the estimation of sex in European American populations.
- Collected skeletal data from the Maxwell Museum of Anthropology's documented skeletal collection.
- Performed statistical analysis.

FIELD EXPERIENCE

Forensic Aviation Archaeology, Collaboration with DPAA

2018

University of Maryland, College Park, MD

Site Location: Großraming, Austria

Project Director: Marilyn London (Forensic Science Expert)

- Participated in the search and excavation of possible human remains associated with missing in action soldiers from WWII.

Field Archaeologist

Parametrix, Inc, Albuquerque, NM

2016

Site Location: Tucumcari, NM

Project Director: Berenika Byszewski

- Participated in survey, testing and excavation of unknown lithics and midden involved with the highway diversion over the Canadian River, Tucumari, NM.

University of York, York, UK 2015

Site Location: Battle of Towton (1461), Towton, United Kingdom

Project Directors: Nadia Neff, Tim Sutherland

- Conducted the survey, collection and location documentation of bone and tooth fragments possibly associated with the Battle of Towton (1461).

Site Location: Star Carr, North Yorkshire, United Kingdom

Project Directors: Nicky Milner, Barry Taylor, Chantal Conneller

- Participated in ongoing excavation of the Mesolithic site.

Drawsko Mortuary Archaeology Field School 2013

Slavia Foundation for Polish History and Culture

Site Location: Drawsko, Poland

Project Director: Elzbieta Gajda

- Participated in the excavation, cleaning and laboratory analysis of human remains associated with the medieval cemetery at Drawsko, Poland.

TEACHING EXPERIENCE & EVALUATION

Graduate Teaching Assistant 2019 – present

University of New Mexico, Albuquerque, NM

Introduction to Anthropology

Career Planning in Anthropology

Visiting Instructor of Anthropology 2017 – 2019

Fort Lewis College, Durango, CO

Course taught

Introduction to Anthropology (ANTH 151)

6

Forensic Anthropology (ANTH 241)

1

Human Biological Variation (ANTH 246)

1

All average student evaluation scores that Nadia has received at Fort Lewis College (120 responders) are 4.2/5 or higher across 4 courses from the 100 to 200 level. Samples are available upon request.

Anthropology Department Internship Coordinator 2018 – present

Powerhouse Science Center

- Supervisor for two undergraduate interns per semester involving K-12 curriculum development in anthropology.
- Facilitate ongoing collaboration

Private Tutor in ESL 2017 – present

Self Employed, Durango, CO

- Developing curriculum to fit student needs.
- Run lessons on student need basis.

K-12 Substitute Teacher 2015 – present
Poudre School District, Fort Collins, CO; Durango School District 9R, Durango, CO
– Monitoring classes of various sizes and age ranges.
– Administering course work.
– Supervising and helping students with assignments.

Anthropology Tutor 2011 – 2013
Fort Lewis College, Durango, CO
Advisor: Dr. Dawn Mulhern
– Tutored students enrolled in Introduction to Biological Anthropology, Introduction to Forensic Anthropology, Human Origins, and Bioarchaeology and Forensic Osteology.

Teaching Assistant 2011 – 2013
Fort Lewis College, Durango, CO
Advisor: Dr. Dawn Mulhern
Introduction to Biological Anthropology Laboratory (ANTH 236) taught 3 semesters
Bioarchaeology and Forensic Osteology Laboratory (ANTH 3) taught 1 semester

Biological Anthropology Workshop Tutor 2012 – 2013
Fort Lewis College
Advisor: Dr. Dawn Mulhern
– Ran weekly workshop sessions to supplement biological anthropology lecture/lab material.

INVITED SEMINARS

Fort Lewis College Anthropology Department Seminar, Durango, CO 2020
Stable Isotopes in Archaeological Research

Colorado Archaeological Society: Montrose 2019
Ancient biomolecules: applications in archaeology

San Juan Basin Archaeology Society 2018
Panel Discussion: Frauds, Myths, and Mysteries in Archaeology

Fort Lewis College Anthropology Department Seminar, Durango, CO 2018, 2019
Forensic Archaeology (given twice)

Fort Lewis College Anthropology Department Lab Session, Durango, CO 2018
Introduction to Human Osteology (given twice)

Powerhouse Science Center, Durango, CO 2018
Search and recovery in forensic anthropology
Biological profiles and identifications by exclusion in forensic anthropology

Fort Lewis College Chemistry Department Seminar, Durango, CO <i>Applications of mass spectrometry in bioarchaeology (given twice)</i>	2018, 2019
Fort Lewis College Anthropology Department Seminar, Durango, CO <i>Ancient biomolecules: applications in bioarchaeology (given twice)</i>	2018
Fort Lewis College Anthropology Department Seminar, Durango, CO <i>Human rights investigations and POW/MIA recovery (given three times)</i>	2017, 2018, 2019

WORKSHOPS, CURRICULUM (DEVELOPER AND/OR TEACHER)

Sandia National Labs Family Day <i>Participated in mass spectrometry activities for kids</i>	2019
Fort Lewis College Department of Anthropology, Durango, CO <i>Developed curriculum for Intro to Anthropology (ANTH151)</i> <i>Includes: lectures, activities and assignments</i>	2017 – 2019
Fort Lewis College Science Open House, Durango, CO <i>Taught Hominin Forensics</i>	2019
Animas High School, Durango, CO <i>Taught laboratory exercises in paleoanthropology</i>	2018
Fort Lewis College Science Camp, Durango, CO <i>Developed and taught laboratory exercises in historic bioarchaeology</i>	2018, 2019
Powerhouse Science Center, Durango, CO <i>Taught outdoor search and recovery activity</i> <i>Taught laboratory exercises in forensic anthropology</i>	2018, 2019
Miller Middle School, Durango, CO <i>Participated in teaching laboratory exercises in forensic anthropology</i> <i>Participated in teaching laboratory exercises in paleoanthropology anthropology</i>	2018
Silver SPRUCE Academy, Bayfield, CO <i>Taught laboratory exercises in biological anthropology</i>	2017

PUBLICATIONS

1. **Neff, N. C.;** Collins, M. C.; Sutherland, T. Developing a Rapid Method for the Identification of Human Bone in Archaeological and Forensic Contexts: ZooMS and the Battle of Towton. *The Journal of Conflict Archaeology*. **2020**, in preparation.

2. **Neff, N. C.;** Collins, M.C. Testing Collagen Extraction Methods in Highly Degraded Bone for use with ZooMS. *Rapid Communications in Mass Spectrometry*. **2020**, in preparation.

CONFERENCE PRESENTATIONS

1. **Neff, N.C.;** Mulhern, D.M.; Brookshier, H. The Powerhouse Project: Encouraging Community Stewardship in Anthropology Students. Poster. *American Association of Physical Anthropologists 89th Annual Meeting*. Los Angeles, CA (March, **2020** - canceled due to COVID-19)
2. Brookshier, H.; Mulhern, D.M.; **Neff, N.C.** Using 3D Prints of Primates to Teach Evolution Through Comparative Anatomy: a Multi-Model Educational Module. Poster. *American Association of Physical Anthropologists 89th Annual Meeting*. Los Angeles, CA (March, **2020** - canceled due to COVID-19)
3. **Neff, N.C.;** Collins, M.C.; Sutherland, T. Developing a rapid technique for the identification of human bone in archaeological and forensic contexts: ZooMS and the Battle of Towton. Poster. *American Association of Physical Anthropologists 88th Annual Meeting*. Cleveland, OH (March, **2019**)
4. Mulhern, D. M.; **Neff, N, C.** Creating opportunities for K-12 outreach with undergraduate mentors. Poster. *American Association of Physical Anthropologists 88th Annual Meeting*. Cleveland, OH (March, **2019**)

GRANTS, FELLOWSHIPS, SCHOLARSHIPS

Binford Fellowship Recipient	\$28,000	2019-2020
University of New Mexico, Albuquerque, NM		
Linda Cordell Scholarship Recipient	\$1,000	2020-2021
University of New Mexico, Albuquerque, NM		

AWARDS

Outstanding Anthropology Scholar	2013
Fort Lewis College, Durango, CO	

SERVICE (UNIVERSITY OF NEW MEXICO)

Co-president Anthropology Graduate Student Union 2020 – *present*

SERVICE (FORT LEWIS COLLEGE)

Student Recruitment Volunteer 2017 – 2019
(Fridays at the Fort)

Recommendation Writer 2015 – *present*
(help students apply to summer internships/research experiences)

Signature Assignment Norming Committee 2019

Fort Lewis College Science Summer Camp Presenter 2018

Anthropology Club Faculty Chaperone/Helper 2018

SERVICE (COMMUNITY, NATIONAL AND INTERNATIONAL)

American Association of Physical Anthropology Education Committee Member 2019 – *present*

Powerhouse Science Center & Maker Lab Education Committee Member 2018 – *present*

Assistant Forensic Anthropologist to Dr. Dawn Mulhern
Search and recovery/laboratory analysis and processing, Durango Police Department 2018
Search and recovery/laboratory analysis, Montezuma County Sheriff's Office 2017
Search and recovery, La Plata County Sheriff's Office 2012

Campaign Organizer, Localized Strategies LLC 2016
Kentucky State House 2016 campaigns
Yes for Health and Safety

Council for British Archaeology, Festival of Archaeology Volunteer, United Kingdom 2015

PROFESSIONAL DEVELOPMENT ACTIVITIES AND AFFILIATIONS

American Association of Physical Anthropologists (AAPA) Member 2016 – *present*

American Academy of Forensic Scientists (AAFS) Trainee Affiliate 2019 - *present*

Certificate of English Language Teaching to Adults 2016
Cambridge University at Bridge TEFL, Denver, CO

3 Year Substitute Authorization
Colorado Department of education

2016 – 2019

Colorado Notary Public Certification
Colorado Secretary of State

2016 – *present*

REFERENCES

Dr. Keith Prufer

Professor of Anthropology
University of New Mexico
PhD Secondary Advisor
kmp@unm.edu

Dr. Osbjorn Pearson

Professor of Anthropology
University of New Mexico
PhD Advisor
ompear@unm.edu

Dr. Dawn M. Mulhern, Ph.D.

Professor of Anthropology
Chair of the Department of Anthropology
Fort Lewis College
Undergraduate Advisor
mulhern_d@fortlewis.edu

Dr. Matthew M. Collins, Ph.D.

Professor of Bioarchaeology
University of York
Masters Research Advisor
matthew.collins@york.ac.uk

Malin Holst, MSc

Osteoarchaeology Lecturer, Director of York Osteoarchaeology Ltd.
University of York
Graduate Instructor
malin.holst@york.ac.uk

Dr. Callie Cole, Ph.D.

Assistant Professor of Chemistry
Fort Lewis College
Collaborator
ccole@fortlewis.edu