

Nadia C. Neff, PhD Student

Department of Anthropology
University of New Mexico
Anthropology Annex B06E
Albuquerque, New Mexico

ncneff@unm.edu
(970) 488 - 9932

EDUCATION AND TRAINING

University of New Mexico PhD Student Department of Anthropology Archaeology Subfield	Albuquerque, NM 2019 - present
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

PhD Student University of New Mexico, Albuquerque, NM Advisors: Dr. Osbjorn Pearson, Dr Keith Prufer <i>Rodents! Using stable isotopes to model dietary and environmental change from the Paleoinidian period to the Mayan Collapse in modern Belize.</i> - Currently studying the utility of using stable isotopes in rodent remains as a proxy for studying human dietary and environmental activity.	2019 - present
Masters Student University of York, York, United Kingdom Advisor: Dr. Matthew Collins <i>Identifying potential sites of conflict through the analysis of possible human bone fragments via ZooMS (Zooarchaeology by Mass Spectrometry).</i> - Studied the applications of using ZooMS for the identification of human bone fragments in archaeological and forensic contexts.	2014 - 2016

- 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 2016
 Parametrix, Inc, Albuquerque, NM
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

Colorado Archaeological Society: Montrose	2019
<i>Ancient biomolecules: applications in archaeology</i>	
San Juan Basin Archaeology Society	2018
<i>Panel Discussion: Frauds, Myths, and Mysteries in Archaeology</i>	
Fort Lewis College Anthropology Department Seminar, Durango, CO	2018
<i>Forensic Archaeology</i>	
Fort Lewis College Anthropology Department Lab Session, Durango, CO	2018
<i>Introduction to Human Osteology (given twice)</i>	
Powerhouse Science Center, Durango, CO	2018
<i>Search and recovery in forensic anthropology</i>	
<i>Biological profiles and identifications by exclusion in forensic anthropology</i>	
Fort Lewis College Chemistry Department Seminar, Durango, CO	2018, 2019
<i>Applications of mass spectrometry in bioarchaeology (given twice)</i>	
Fort Lewis College Anthropology Department Seminar, Durango, CO	2018
<i>Ancient biomolecules: applications in bioarchaeology (given twice)</i>	
Fort Lewis College Anthropology Department Seminar, Durango, CO	2017, 2018, 2019
<i>Human rights investigations and POW/MIA recovery (given three times)</i>	

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*. **2019**, 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*. **2019**, in preparation.

CONFERENCE PRESENTATIONS

1. **Neff, N.C.;** Mulhern, D.M.; Brookshier, H. The Powerhouse Project: The infrastructure of encouraging community stewardship in anthropology students. Poster. *American Association of Physical Anthropologists 89th Annual Meeting*. Los Angeles, CA (March, **2020**)

2. Brookshier, H.; Mulhern, D.M.; **Neff, N.C.** Community partnerships. Poster. *American Association of Physical Anthropologists 89th Annual Meeting*. Los Angeles, CA (March, 2020)
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

Binford Fellowship Recipient	\$28,000	2019-2020
University of New Mexico, Albuquerque, NM		

AWARDS

Outstanding Anthropology Scholar	2013
Fort Lewis College, Durango, CO	

SERVICE (FORT LEWIS COLLEGE)

Student Recruitment Volunteer (Fridays at the Fort)	2017 – present
Recommendation Writer (help students apply to summer internships/research experiences)	2015 – present
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	
<i>Search and recovery/laboratory analysis and processing, Durango Police Department</i>	2018
<i>Search and recovery/laboratory analysis, Montezuma County Sheriff's Office</i>	2017
<i>Search and recovery, La Plata County Sheriff's Office</i>	2012
Campaign Organizer, Localized Strategies LLC	2016
<i>Kentucky State House 2016 campaigns</i>	
<i>Yes for Health and Safety</i>	
Council for British Archaeology, Festival of Archaeology Volunteer, United Kingdom	2015

PROFESSIONAL DEVELOPMENT ACTIVITIES AND AFFILIATIONS

American Association of Physical Anthropologists (AAPA) Member	2016 – <i>present</i>
American Academy of Forensic Scientists (AAFS) Trainee Affiliate	2019 - <i>present</i>
Certificate of English Language Teaching to Adults	2016
Cambridge University at Bridge TEFL, Denver, CO	
3 Year Substitute Authorization	2016 – <i>present</i>
Colorado Department of education	
Colorado Notary Public Certification	2016 – <i>present</i>
Colorado Secretary of State	

REFERENCES

Dr. Osbjorn Pearson

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

Dr. Keith Prufer

Professor of Anthropology
University of New Mexico
PhD Secondary Advisor
kmp@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