

**HALEY N. O'BRIEN, M.A.**

(720) 254-5037

haley.obrien@umontana.edu

hobrien94@gmail.com

**Education:** Fall 2023, PhD in Anthropology, University of Montana, *Bone Fraggles for Days: A Minimally Destructive Technique for Taxonomic Identification of Faunal Specimens*  
Committee Co-Chairs: Drs. Meradeth Snow & Anna Prentiss  
Spring 2019, MA in Forensic Anthropology, University of Montana, *Human vs. Non-human Bone: A non-destructive histological method*  
Committee Chair: Dr. Meradeth Snow  
Spring 2016, BA in Biological Anthropology- Concentration in Anatomy, Colorado State University

**Employment:**

Summer 2023 Faunal Analyst on Historic Reed & Bowles Trading Post Assemblage

- Supervisor: Weber Greiser

Spring 2023 University of Montana PhD Teaching Assistant & Instructor

- ANTY 412- Osteology

Fall 2022 University of Montana Research Assistant

- Supervisor: Dr. Anna Prentiss (anna.prentiss@mso.umt.edu)

Summer 2022 Bridge River Archaeological Field Season Technician

- Supervisor: Dr. Anna Prentiss

Spring 2022 University of Montana PhD Teaching Assistant & Instructor

- ANTY 412- Osteology

Fall 2021 University of Montana Instructor

- CJUS 125- Fundamentals of Forensic Science

Summer 2021 University of Montana Co-Instructor

- ANTY 210 Online- Intro to Physical Anthropology

- Co-Instructor: Keith Biddle, MA

Winter 2020 University of Montana Instructor

- CJUS 125 Online- Fundamentals of Forensic Science

Fall 2019 University of Montana Instructor

- CJUS 488 Online- Forensic Science: The Crime Lab & Beyond

AY 2018-19 University of Montana Research Assistant

- Supervisor: Dr. Anna Prentiss

Fall 2018 University of Montana Teaching Assistant

- Supervisor: Dr. Kirsten Green Mink (kirsten.green@umontana.edu)

Summer 2016 Colorado State University Physical Anthropology Lab

- Supervisor: Dr. Ann Magennis (ann.magennis@colostate.edu)

**Extracurricular & Volunteer Activities**

2020 to Present- University of Montana Zoological Museum (UMZM), Researcher & Graduate Mentor

2017 to Present- Zooarchaeology Education & Training Graduate Mentor

2017 to Present- University of Montana Forensic Anthropology Lab (UMFAL), Case  
Coordinator & Analyst

March 2022 & 2023- University of Montana GradCon Judge for Best of GradCon

2019 to 2020- Lambda Alpha Graduate Mentor

2017 to 2019- Montana Anthropological Student Association (MASA)

April 2018- Fort Missoula Archaeology Day Celebration

### **Professional Associations**

Society of American Archaeology (January 2019-Present)

Western Bioarcheology Group (August 2019-Present)

Lambda Alpha (December 2017-Present)

### **Research & Field Experience**

#### *Academic*

Dissertation Research (Fall 2020 – Present)

- Research project developing a technique for taxonomic identification of fragmentary skeletal remains using ATR-FTIR Spectroscopy

Zooarchaeological analyst for HP54 out of Bridge River, British Columbia (Fall 2017 – Present)

- 2022 Field Season Technician and paid Research Assistant under Dr. Anna Prentiss
- Assist in analyzing and cataloguing faunal remains in the HP54 assemblage under multiple research projects

Zooarchaeological analyst for Reed & Bowles Trading Post out of Lewistown, MT (Summer 2023)

- Paid volunteer for under Weber Greiser
- Assist in analyzing faunal remains from historic trading post with summary report of findings

Zooarchaeological Analyst & Curator for Site 48PA551 in WY (Summer 2018 – Fall 2019)

- 2018 Field School TA and Paid Research Assistant under Dr. Anna Prentiss
- Developed database catalog for project analysis and managed analysis of faunal remains
- Lead author on faunal chapter of final report

Master's Thesis Research (Fall 2018 – Spring 2019)

- Research project examining human vs. non-human skeletal remains using an AmScope high resolution camera microscope

Lab Tech for the Colorado State University Physical Anthropology Lab (Summer 2016)

- Assisted in the ceremonial preparation and repatriation of native Ute human remains per NAGPRA compliance under Dr. Ann Magennis
- Prepped and added new skeletal reference materials to the Human Origins Lab's catalogue
- Helped to organize, move, and catalogue specimens in new Human Osteology Lab

Lead content analysis of original Colorado Asylum- Pueblo remains curated with Colorado State University (Spring 2016)

- Independent Study collaboration with CSU Chemistry Department under Dr. Ann Magennis
- Worked with other students in the chemistry department to sample, grind, and process bone for heavy metals testing by Mass Spectrometry

## *Forensic*

### Forensic Analysis (Fall 2017 – Present)

- Volunteer forensic anthropologist and zooarchaeologist under Dr. Katie Baca
- Case Coordinator and Graduate Mentor under Drs. Katie Baca & Meradeth Snow
- Provide forensic analysis, photos, and case reports for human and non-human skeletal cases given to UMFAL by the Montana Crime Lab- Missoula

### Kalispell Police Department Forensic Recovery Consultation (July 2023)

- UMFAL Recovery Team Leader in areas of interest under Kalispell Police Officer, Carlee Brown
- Human vs. Non-human ID; survey & test pits in areas of interest

### Bonner County Forensic Field Recovery & Forensic Analysis (November 2021)

- UMFAL Recovery Team Leader in crime scene recovery of human remains under Bonner County Coroner, Rob Beers
- Survey of area; forensic excavation of remains; transported remains from Thompson Falls to UMFAL; forensic anthropological analysis

### Flathead County Forensic Field Recovery & Forensic Analysis (September 2021)

- UMFAL Recovery Team Leader in crime scene recovery of human remains under Flathead County Sheriff, Luke Foster
- Survey of area; forensic excavation of remains; forensic anthropological analysis conducted at Montana State Crime Lab: Missoula

### Ravalli County Forensic Recovery Consultation (October 2020)

- Assisted in crime scene survey of possible human remains under Ravalli County Sheriff, Jake Auch
- Survey & test pits in areas of interest

### Bonner County Forensic Field Recovery (September 2018)

- Assisted in the field recovery of human remains under Bonner County Coroner, Robert Beers
- Zooarchaeological identification of human vs. non-human remains, crime scene photography, and final recovery report

### Missoula County Forensic Field Recovery (April 2018)

- Assisted in the field recovery, crime scene photos, lab analysis, and final case report of human remains under Dr. Kirsten Green Mink

## **Professional/Technical Reports**

KPD 2019-31154 Forensic Consultation Report

UDR 23-159 Forensic Case Report

FSD 23-114 Forensic Recovery Report

FSD 22-338 Forensic Case Report

FSD 22-349 Forensic Case Report

FCSO 2020-38951 Forensic Case Report

FSD 22-351 Forensic Case Report

FSD 22-275 Forensic Case Report

FSD 22-276 Forensic Case Report

UDR 22-208 Forensic Case Report

FSD 22-287 Forensic Case Report

FSD 22-249 Forensic Case Report

FSD 22-107 Forensic Case Report  
FSD 21-335 Forensic Case Report  
FSD 21-392 Forensic Case Report  
FSD 21-330 Forensic Case Report  
BCC 21-120 Forensic Recovery & Case Report  
FSD 19-296 Forensic Case Report  
FSD 21-205/206 Forensic Case Report  
FSD 21-238 Forensic Case Report  
FCSO 2021-32922 Forensic Recovery & FSD 21-299 Case Reports  
RAVCO 1020 Forensic Recovery/Consultation Report  
FSD 20-266 Forensic Case Report  
FSD 20-186 Forensic Case Report  
FSD 20-240 Forensic Case Report  
BCC 19-112 Forensic Case Report  
48PA551 2018 Field Report. Chapter 6: Faunal Analysis.  
FSD 19-159 Forensic Case Report  
FSD 19-060 Forensic Case Report  
BCC 19-055 Forensic Case Report  
FSD 06-232002 Forensic Case Report  
FSD 18-246 Forensic Case Report  
218 CR 0000841 Forensic Case Report  
JCS 0218408 Forensic Case Report  
BCC 18-065 Recovery Report  
FSD 07-05-11 Forensic Case Report  
FSD 4-20-18-1 Forensic Case Report  
FSD 18-032 Forensic Recovery and Case Report  
FSD 2010-33073 Forensic Case Report  
FSD 2010-33248 Forensic Case Report  
FSD UDR 17-300 Forensic Case Report  
FSD 17-235 Forensic Case Report

## **Publications**

Journal of Human Ecology Special Issue, Dogs in the Archaeological Record: October 2021.  
Article Publication.

- *The Record of Dogs in Traditional Communities of the Mid-Fraser Canyon, British Columbia: Ethnological and Archaeological Evidence.* Anna Marie Prentiss, Matthew J. Walsh, Thomas A. Foor, **Haley O'Brien**, Hannah Cail.

Journal of Anthropological Archaeology: May 2020. Article Publication.

- *Malthusian cycles among semi-sedentary Fisher-Hunter-Gatherers: The socio-economic and demographic history of Housepit 54, Bridge River site, British Columbia.* Anna Marie Prentiss, Matthew J. Walsh, Thomas A. Foor, Kathryn Bobolinski, Ashley Hampton, Ethan Ryan, **Haley O'Brien**.

## Scholarships/Awards

Dissertation Completion Fellowship, Fall 2023, \$10,000

Bertha Morton Scholarship, AY 21-22, \$3,000

## Presentations

Society for American Archaeology Annual Conference:

- 2021 ZIG Sponsored Session, Poster.
  - *Human vs. Non-human bone: A non-destructive histological instrument.* **Haley O'Brien.**
- 2019 Poster.
  - *Re-Examining Site 48PA551 in Sunlight Basin, Northwest Wyoming: The Faunal Remains.* **Haley O'Brien**, Anna Marie Prentiss, Ethan Ryan, and Emma Vance.

Western Bioarchaeology Group Conference: 2019 Poster.

- *Human vs. Non-human bone: A non-destructive histological method.* **Haley O'Brien.**

University of Montana GradCon:

- 2020 Poster.
  - *Is it Human? Engaging in the academic and forensic applications of zooarchaeology.* **Haley O'Brien.**
- 2019 Poster.
  - *Human vs. Non-human bone: A non-destructive histological method.* **Haley O'Brien.**

## Skills, Qualifications, and Licenses

- Software: FORDISC, SPSS, PAST, DinoLite, Adobe Suite
- Skills: Crime scene photography, GPS, Excavation of human remains, Archaeological excavation, Surface survey, Osteology, Zooarchaeology, Mapping, Drawing, Technical report writing
- Qualifications: SafeSport Certified, First Aid & CPR Certified, Trained LGBT Ally, Defensive Driving Certification

## Workshops

- “Picturing Dead People” Forensic Photography Workshop, by Dr. Aldo Fusaro at the University of Montana. April & November 2021.
- University of Montana, LGBT Ally Training. November 2019.
- “Picturing Dead People” Forensic Photography Workshop, by Dr. Aldo Fusaro at the University of Montana. February 2019.
- Montana Historical Society, Cemetery Maintenance Workshop and Conference. June 2018.

## Virtual Training & Webinars

Wenner-Gren Foundation, “Skeletons in the Anthropological Closet” Museum Collections and the Demand for Principles of Accountability, Webinar. May 2021.

Anthropology Magazine: Sapiens, “From the Margins to the Mainstream: Black and Indigenous Futures in Archaeology” Webinar Series. 2020-2021.

University of Denver, “A New Path Forward: Guiding Repatriation in Medical Examiner and Coroner Offices” Pre-Conference Webinar panel for annual Repatriation Conference. September 2020.

Columbia Center for Archaeology, “Archaeology in the Time of Black Lives Matter” Discussion Panel. June 2020.

### **Teaching Experience**

- Zooarchaeology Education & Training. Spring 2018 – Present. University of Montana. Graduate Mentor.
- Osteology. Spring 2022 & 2023. University of Montana. Instructor, PhD Teaching Assistant.
- UMFAL Casework Class. Fall 2021 & 2023. University of Montana. Guest Lecturer.
- Fundamentals of Forensic Science. Fall 2021. University of Montana. Instructor.
- Introduction to Physical Anthropology. Summer 2021. University of Montana. Co-Instructor.
- Fundamentals of Forensic Science. Winter 2020. University of Montana. Instructor.
- Montana Natural History Workshop hosted by UMZM. August 2020. University of Montana. Guest Lecturer.
- Forensic Mortuary and Archaeology. Spring 2020. University of Montana. Preceptor & Guest Lecturer.
- Forensic Science: The Crime Lab and Beyond. Fall 2019. University of Montana. Instructor.
- Osteology. Fall 2019. University of Montana. Preceptor & Guest Lecturer.
- Forensic Mortuary and Archaeology. Spring 2019. University of Montana. Preceptor & Guest Lecturer.
- Principles of Forensic Anthropology. Spring 2019. University of Montana. Guest Lecturer.
- Freshman Seminar. Fall 2018. University of Montana. Guest Lecturer.
- Introduction to Physical Anthropology. Fall 2018. University of Montana. Teaching Assistant.
- Introduction to Physical Anthropology Lab. Fall 2018. University of Montana. Co-Lecturer.
- 48PA551 Field School. Summer 2018. University of Montana. Guest Lecturer.
- Osteology. Fall 2018. University of Montana. Preceptor & Guest Lecturer.
- Osteology. Fall 2017. University of Montana. Preceptor.

## References

Anna M. Prentiss, Regents Professor, University of Montana

Email: [anna.prentiss@mso.umt.edu](mailto:anna.prentiss@mso.umt.edu)

Phone: Available upon request

Meradeth Snow, Professor, University of Montana

Email: [meradeth.snow@umontana.edu](mailto:meradeth.snow@umontana.edu)

Phone: Available upon request

Randall Skelton, Professor, University of Montana

Email: [randall.skelton@umontana.edu](mailto:randall.skelton@umontana.edu)

Phone: Available upon request

Ann Magennis, Professor Emeritus, Colorado State University

Email: [ann.magennis@colostate.edu](mailto:ann.magennis@colostate.edu)

Phone: Available upon request