**Curriculum Vitae**

**Meradeth Snow, PhD**

**Contact Information**

Email Address:

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* (530) 848-1432

**Educational Background**

* Doctorate, University of California, Davis in October 2011
  + Dissertation title: “Ancient DNA in North America and the Effects of Migration on Prehistoric Populations”
* Master’s degree from University of California, Davis 2007
  + Anthropology, Evolutionary Wing
  + Molecular Anthropology focus
* Bachelor of Arts degree from Brigham Young University in April of 2003
  + Majored in Anthropology, Archaeology emphasis, minored in English
  + Graduate Cum Laude

**EMPLOYMENT BACKGROUND**

* 2015-Present University of Montana, Missoula. Assistant Professor.
* 2012-2015 University of Montana, Missoula. Visiting Assistant Professor.
* 2005-2011 University of California, Davis. Lecturer, teaching assistant, and graduate researcher.

**Papers and Publications**

Forthcoming**:**

* Landscape of genomic diversity of Mexican Indigenous populations: insights in the peopling of America (to be submitted to *Nature*, November 2018)
  + Garcia-Ortiz, Humberto, Francisco Barajas-Olmos, Cecilia Contreras-Cubas, Meradeth Snow, et al.
* The Effects of Common Methods of Soft Tissue Removal on Skeletal Remains: a comparative analysis (under review at *Journal of Forensic Sciences*)
  + Emily Silverman and Meradeth Snow.
* DNA in the Desert: the past, present, and future of molecular anthropology in the Greater Southwest (manuscript in press)
  + In *Readings in Southwestern Bioarchaeology,* edited by Ann L.W. Stodder. Expected publication date in 2019 by University Press of Florida.

PUBLISHED:

* Eukaryotic DNA extraction from burial soil samples at incremental distances: a preliminary study (2019)
  + Thomas, Ariane, Meradeth Snow, Kora Dueno, Bill Holben. In *Journal of Forensic Science*.
* Ancient Human Mitochondrial DNA and Radiocarbon Analysis of Archived Quids from the Mule Spring Rockshelter, Nevada, USA (2018)
  + Hamilton-Brehm, Scott D., Meradeth Snow, Lidia T. Hristova, Susan R. Edwards, Jeffrey R. Wedding, Brittany R. Kruger, Duane P. Moser. In *PlosOne*.
* Ancient mitochondrial DNA and ancestry of Paquimé inhabitants, Casas Grandes (1200-1450 A.D.) (2017)
  + Morales, Ana, Meradeth Snow, Annie Katzenberg, Jane Hill. In *American Journal of Physical Anthropology*.
* Additional Analysis of mtDNA from the Tommy and Mine Canyon Sites (2017)
  + Snow, Meradeth, Kathy Roler Durand, Martha Gustafson, David Glenn Smith. In *Journal of Archaeological Science: Reports*.
* A Biological Perspective on Chacoan Identity (2015)
  + Snow, Meradeth, Steven LeBlanc. Chapter in *Chaco Revisited: New Research on the Prehistory of Chaco Canyon*Edited by Carrie C. Heitman and Stephen Plog.
* Stable Isotopes and mtDNA from Woodland period southern Ontario people: results from a tooth sampling protocol (2014)
  + R.F.Williamson, J.C. Sealy, D.G. Smith, M. Snow, C. Forrest, S. Pfeiffer. In *Journal of Archaeological Science.*
* Non-Destructive Sampling of Human Skeletal Remains Yields Ancient Nuclear and Mitochondrial DNA (2012)
  + Bolnick, Deborah, Holly Bonine, Jaime Mata-Miguez, Brian Kemp, Meradeth Snow, Steven LeBlanc. In *American Journal of Physical Anthropology*.
* The Relationship of the Mimbres to other southwestern and Mexican populations (2011)
  + Snow, Meradeth, Harry Shafer and David Glenn Smith. In *Journal of Archaeological Science*.
* Ancestral Puebloan mtDNA in Context of the Greater Southwest(2010)
  + Snow, Meradeth, David Glenn Smith, Kathy Roler Durand. In *Journal of Archaeological Science*.
* Discrete Dental Trait Evidence of Migration Patterns in the Northern Southwest(2010)
  + Durand, Kathy Roler, Meradeth Snow, David Glenn Smith, and Stephen R. Durand. In *Human variation in the Americas: the integration of archaeology and biological anthropology*.  *Occasional Paper No. 38,* edited by Benjamin M. Auerbach, chapter 5. Carbondale, IL: Center for Archaeological Investigations.
* Mitochondrial DNA of Protohistoric Remains of an Arikara Population from the Northern Plains: Implications for the Macro-Siouan Hypothesis (2010)
  + Lawrence, Diana M., Brian M. Kemp, Jason Eshleman, Richard L. Jantz, Meradeth Snow, Debra A. George, David Glenn Smith. *Human Biology*.

**TECHNICAL REPORTS**

* Ancient Genomics (Encyclopedia in press)
  + In *The SAS Encyclopedia of Archaeological Sciences*, to be published by Wiley-Blackwell. Expected publication in 2018.
* Report on the Analysis of Human Skeletal Remains from the Elkins Site (7NC-G-174), St. Georges Hundred, New Castle County, Delaware (2014)
  + McKeown, Ashley H., Meradeth H. Snow, Roseanne Bongiovanni, Kirsten Green, Rachel Summers-Wilson, and Kathleen Hauther. Delaware Department of Transportation report by Hunter Research, Inc.
* *Ceramic Analysis from Rattlesnake Point (42Ga43), Structure 1* (2003). Brigham Young University Press.
  + Snow, Meradeth

**PROFESSIONAL MEETINGS**

* Society for American Archaeology 2018 Meetings, Washington D.C.
  + Session Chair and organizer: “Advances in Biomolecular Archaeology”
  + “Genetic Identity and Relationships in the Southwest United States and Mexico”
  + “Microbial Communities from Soil and Coprolites” with Rachel Summers, Joshua Sackett, and Duane Moser
  + “Ancient DNA Investigations of Possible Casas Grandes—Chalchihuites Interactions” with Kyle Waller, Jose Luis Punzo Diaz, Ana Morales-Arce, and Miguel Vallebueno
  + “Title IX from a Researcher’s Perspective” with Kirsten Green
* Chacmool at 50: The Past, Present, and Future of Archaeology, University of Calgary
  + Session organizer for “Advances in Biomolecular Archaeology”
  + “Genetic Identity and Relationships in the Southwest United States and Mexico”
* American Association of Physical Anthropologists 2017 Meetings, New Orleans, Louisiana
  + “Explaining Distinct Crania from Colonial Deleware Using Craniometric and Genetic Analyses” with Kathleen Hauther, Ashley McKeown, and Katherine Spradley
* Society for American Archaeology 2017 Meetings, Vancouver BC
  + “Ancient DNA from Stone Tools” with Anna Prentiss and Clare Super
* Society for American Archaeology 2016 Meetings, Orlando, Florida
  + “Kiva B Internments at the Mine Canyon Site, New Mexico: a bioarchaeology and ancient DNA approach” with Kathy Durand Gore and Martha Gustafson
  + “Dog Remains from the Bridge River site in British Columbia: ancient DNA and stable isotopes” with Emilia Tifental and Anna Prentiss
* Society for Historical Archaeology 2016 Meetings, Washington D.C.
  + “Bioarchaeology of Burials Associated with the Elkins Site (7NC-G-174)” with Ashley McKeown, Kathleen Hauther, Roseanne Bongiovani, Kirsten Green, and Rachel Summers
* Society for American Archaeology 2015 Meetings, San Francisco, California
  + “Ancient DNA and Cranial Morphometric Analysis into Ancestry of Five Burials from Colonial Delaware” with Ashley McKeown and Kathleen Hauther
  + Chair of Molecular Analysis in Bioarchaeology session
* Society for American Archaeology 2014 Meetings, Austin, Texas
  + “Life and Health in the Point Community, an Ancestral Puebloan Population in the Middle San Juan Region, New Mexico” with Kathy Durand Gore, Michelle Greene, Elizabeth Adams, and Cathey Cline
* Society for American Archaeology 2013 Meetings, Honolulu, Hawaii
  + “Stable Isotope and aDNA Approaches to Migration in the Middle San Juan Region” with Cody Roush, Kyle Waller, Steven LeBlanc, Mike Glascock, and Jim Guthrie
* Society for California Archaeology 2011 Meetings, Rohnert Park, California
  + “Prehistory of the Southwest Region of the US and Its Relationship to Mesoamerica”
* Society for American Archaeology 2011 Meetings, Sacramento, California
  + “Further Analysis of mtDNA from the Tommy and Mine Canyon Sites”
* Amerind Seminar Proposal: Current Issues in the Archaeology of Chaco Canyon, A.D. 850-1150, Chaco Canyon New Mexico, 2010
  + “A Biological Perspective on Chacoan Identity” with Steven A. LeBlanc
* Next-Generation Sequencing Conference, UC Davis Bioinformatics Core, 2010
* Society for American Archaeology 2010 Meetings, St. Louis, Missouri
  + “Ancient DNA in the Southwest United States and Mesoamerica”
* Washington State University Colloquium Series, November 2009, Pullman Washington
  + “Ancient DNA in the Prehistoric Southwest: Pueblo & Mimbres Populations”
* Society for American Archaeology 2008 Meetings, Vancouver, Canada
  + “Genetic Analysis of the Tommy and Mine Canyon Sites in Relation to the Greater Southwest and Mexico”
* El Hombre Temprano en los Americas 2008 Meetings, Mexico D.F., Mexico
  + “Ancestral Puebloan mtDNA in Context of the Greater Southwest”
* Society for American Archaeology 2007 Meetings, Austin, Texas
  + “Genetic Analysis of the Tommy and Mine Canyon Sites in the Context of Southwest Populations”

**Invited talks**

* “DNA from Dead Things”
  + University of Illinois, Carbondale, Biology and Chemistry Colloquium Series, January 24th, 2018
* “Ancient DNA and Paquime: Toward a better understanding of the Southwest/Northwest”
  + *Instituto National de Medicina Genomica*, May 19th, 2017
* “Ancient DNA & Past Populations”
  + University of Calgary Anthropology Department, April 1st 2015
* “Bioarchaeology in the Desert Southwest”
  + University of Calgary Anthropology Department, March 31st 2015

**GRANT FUNDING**

* National Science Foundation Senior Researcher
  + Identifying Prehistoric Migration in Northern Mexico Using Ancient DNA
  + Principal Investigators: Meradeth Snow & Michael Searcy
  + Amount Awarded: $162,000
* Funding from Harvard Medical School Collaboration with Dr. Kostic, 2017
  + Feasibility Study on Microbiome DNA from Human-Associated Sources
  + Amount Awarded: $9000
* University Research Grant Program (University of Montana), 2016
  + Violence in the Desert Southwest: utilizing ancient DNA to address relatedness in fragmentary mass interments
  + Amount awarded: $5000
* Faculty Professional Enhancement Program: Mini-Sabbatical, 2015
  + Travel and lodging for week of collaboration with aDNA facilities at UT, Austin
  + Amount awarded: $1500
* University of Montana Student Instructional Equipment Fund, 2013-2017
  + Laboratory and casts for the student teaching lab
  + Amount requested and awarded over five years: $15,000
* National Science Foundation Dissertation Improvement Grant, 2007
  + Title: Doctoral Dissertation Improvement: Ancient DNA in the Southwest United States
  + Award amount: $14,267
* UC MEXUS Dissertation Research Grant, 2007
  + Title: Ancient DNA in the Southwest United States and Mesoamerica
  + Award amount: $11,990

**TEACHING AWARDS**

* 2017 Most Inspiriting Professor (as voted on by graduating seniors)
* 2016 Cox Educational Excellence Award
* Nominated for the UC Davis Outstanding Graduate Student Teaching Award

**Teaching & LEARNING MANAGEMENT SKILLS**

* Summer Institute on Scientific Teaching graduate
* Moodle, SmartSite, and Blackboard for course supplements to all my courses
* Online courses through Moodle
  + Have designed and built classes from scratch for online delivery

**academic teaching experience**

* University of Montana
  + Introduction to Physical Anthropology
  + Physical Anthropology Laboratory
  + Human Variation (Intermediate Writing Course GE)
  + Evolution and Genetic Variation of Human Populations (course I created)
  + Emergence of Modern Humans
  + Forensic Science and technology (online)
  + Seminar in Bioarchaeology and Skeletal Biology (graduate level)
  + Seminar in Human Variation and Evolution (graduate level)
* University of California, Davis
  + Human Biological Variation
  + Human Evolutionary Biology
  + Human Osteology
  + Introduction to Archaeology
  + Human Biological Variation
  + Human Evolutionary Biology
  + Self and Society (Sociology)

**Graduate students**

* Chair:
  + Rachel Summers, PhD (in progress)
  + Katherine Jackson, PhD (in progress)
  + Amanda Williams, PhD (in progress)
  + Tre Blohm, PhD (in progress)
  + Samantha Ramey, MA (in progress)
  + Britney Radford, MA (in progress)
  + Paige Plattner, MA (in progress)
  + Claire Hanson, MA (in progress)
  + Emily Silverman, MA (2018)
  + Samuel Austin, MA (2017)
  + Kirsten Green, PhD (2016)
  + Ariane Thomas, MA (2016)
  + Emilia Tiffental, MA (2016)
* Committee:
  + Liz Agosto, MA (2013)
  + Rosie Bongiovani, PhD (2014)
  + Jenny Cavallari, MA (2015)
  + Connor Dixon, MA (2015)
  + Brittney Eubank, MA (2016)
  + Julia Schorr, MA (2016)
  + Matthew Walsh, PhD (2016)
  + Paula Sprecht, MA (2016)
  + Megan Richardson, MA (2017)

**Language Skills**

* Spanish: capable of reading, writing and speaking at near native speaker level

**PRIOR Employment**

* Junior Specialist in the Molecular Anthropology Laboratory at UC Davis
* Baseline Data, Inc., a Cultural Resource Management firm in American Fork, Utah
* Museum of Peoples and Cultures at Brigham Young University

**university service**

* University:
  + University Library Committee (2015-present; Chair 2016-17)
  + Interstate Passport Mapping Pilot (2016-2017)
* Department:
  + Social Media Committee (2013-present)
  + Search Committee for Visiting Assistant Professor (2015, 2016, 2017 as Chair)
  + Public outreach through school visits, summer camps, and other forms of community interaction (2012-present)

**Public service**

* Missoula City Library Coordinator of the adult writing group (2013-Present)
* Literacy volunteer for the Yolo Reads project in Davis, CA (2010-2012)
* Youth Leader at an after-school project for underprivileged youth in Woodland, CA (2004-2005)
* ESL mentor at Joaquin Elementary School, Provo, UT (2000-2003)

**REFERENCES**

* Dr. Kathy Durand at Eastern New Mexico University
  + Kathy.Durand@enmu.edu
  + (575) 562-2303
* Dr. Steven LeBlanc at the Peabody Museum, Harvard
  + leblanc@fas.harvard.edu
  + (617) 496-6825
* Dr. Ashley Kendell at Chico State University, California
  + [akendell@csuchico.edu](mailto:akendell@csuchico.edu)
  + ([530) 898-4793](tel:530-898-4793)