

**Carmen Mosley Barbolla**

Email: [cmosley@unm.edu](mailto:cmosley@unm.edu)

Research Website: <http://www.heritagenm.unm.edu>

**Research Interests:** Biocultural approaches to health, Hispanic and Latino/a ethnicity, social determinants of health, health disparities, qualitative and quantitative approaches, dried blood spot markers, human biology

### **Professional Appointments**

- |              |  |
|--------------|--|
| 2017-present | <b>Teaching Lab Supervisor</b><br>Laboratory of Human Osteology<br>Maxwell Museum of Anthropology, University of New Mexico    |
| 2017-present | <b>Instructor</b><br>American Public University  |
| Spring 2017  | <b>Visiting Adjunct Instructor</b><br>Earlham College  |
| Fall 2016    | <b>Adjunct Instructor</b><br>Ivy Tech Community College  |
| 2014–2016    | <b>Teaching Fellow</b><br>Earlham College  |
| 2008–2014    | <b>Chief Laboratory Assistant</b><br>Laboratory of Human Osteology<br>Maxwell Museum of Anthropology, University of New Mexico |

### **Education History**

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|------------------------|--|
| (expected Spring 2018) | <b>Ph.D. Anthropology</b><br>University of New Mexico<br>Dissertation: <i>A biocultural examination of health risk among New Mexicans of Spanish-speaking descent</i><br>Chair: Dr. Heather J.H. Edgar |
| 2008                   | <b>M.S. Anthropology, Distinction</b><br>University of New Mexico  |
| 2006                   | <b>B.A. Anthropology, Highest Honors</b><br>University of California at Santa Cruz   |

### **Primary Teaching Experience**

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|--------------|-----------------------------------|
| 2017-present | <b>American Public University</b> |
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Anthropology

**Courses Taught:**

Introduction to Anthropology (ANTH 100, *Online*)

2014–2017

**Earlham College**

Departments of Sociology/ Anthropology, Museum Studies, and  
Biology

**Courses Taught:**

Human Emergence (BIOL/SOAN 240)

Human Skeletal Practicum (MUSE 484)

Anthropology of Health and Illness (SOAN 339)

Introduction to Museum Studies (MUSE 224)

Cell, Genes and Inheritance Laboratory (BIOL 112)

Care and Use of Collections (MUSE 240)

Fall 2016

**Ivy Tech Community College – Kokomo**

General Studies Program

**Courses Taught:**

Cultural Anthropology (ANTH 154)

2013–2014

**University of New Mexico**

Department of Anthropology

**Courses Taught:**

Forensic Anthropology (ANTH 251, *Online*)

Evolution and Human Emergence (ANTH 150)

**Graduate Teaching Assistantships**

2008–2013

**University of New Mexico**

Department of Anthropology

**Courses Assisted:**

Anthropology of the Skeleton (ANTH 351)

Anthropology of the Skeleton Laboratory (ANTH 351L)

Evolution and Human Emergence (ANTH 150, *Online*)

Evolution and Human Emergence Laboratory (ANTH 151L)

**Research Assistantships**

2012

Project title: *A long-term study of sociocultural, genetic, and phenotypic variation in New Mexico Hispanics*. National Science Foundation (BSC0962825). PI: Keith Hunley, Ph.D; Co-PI: Heather Edgar, Ph.D

2010 Project title: *The cultural and biological significance of ethnic substructure in New Mexican Hispanics*. National Science Foundation (BSC0962825). PI: Keith Hunley, Ph.D; Co-PI: Heather Edgar, Ph.D

### Peer Reviewed Articles

Hunley K, Edgar H, **Mosley C**, Healy M, West F, Cabana GS. (2017). Social Identity in New Mexicans of Spanish Descent Highlights the Limitations of Using Standardized Ethnic Terminology in Research. *Human Biology* (under review).

Healy M, **Mosley C**, Edgar H, Hunley K. (2017). The correspondence between social identity nomenclature and regional history in New Mexicans of Spanish-speaking descent. *Biodemography and Social Biology* (under review).

### Manuscripts in Preparation

**Mosley C**, Edgar H, Hunley K, Healy M. (2017). Sociodemographic and biological correlates of allostatic load among New Mexicans of Spanish-speaking decent. To be submitted to *Social Science and Medicine*.

### Conference Presentations

#### Sessions Chaired

Society for Applied Anthropology 75<sup>th</sup> annual meeting, Pittsburgh, PA (2015): "Intersection of Identity, Ethnicity and Ethnography."

#### Published Abstracts and Conference Presentations

West F, Hunley K, Healy M, **Mosley C**, Cabana G, and Edgar H. (2017). *Return of Genetic Ancestry Testing Results: An Academic-Setting Case Study*. 42<sup>nd</sup> Annual Meeting of the Human Biology Association, New Orleans, LA.

**Mosley C**, Healy M, Hunley K, and Edgar HJH. (2015). *Exploring Hispanic Identity: Relationships among Socioeconomic Status, Genetic Ancestry, Skin Color, and Ethnicity in the Land of Enchantment*. 75<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, Pittsburgh, PA

Edgar HJH, Bloom S, Rusk K, Healy M, **Mosley C**. (2013). *Is face shape associated with other phenotypic or sociocultural variables in New Mexicans of Spanish-speaking decent?* 82<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Knoxville, TN.

**Mosley C**, Healy M, Hunley K, Edgar HJH. (2013). *Ethnic substructure predicts allostatic load in New Mexicans of Spanish-speaking descent*. 38<sup>th</sup> Annual Meeting of the Human Biology Association, Knoxville, TN.

**Mosley C**, Healy M, Hunley K, Edgar HJH. (2013). *Ethnic substructure predicts allostatic load in New Mexicans of Spanish-speaking descent*. Shared Knowledge Conference, University of New Mexico, Albuquerque, NM.

Kieffer CL, Mitchell C, Kitagawa K, **Mosley C**, Naranjo P, Nelson S, Atudorei V, Edgar HJH. (2011). *Righting the Wrongs of the Past: Estimating the Original Provenience of Confiscated Mummies*

*with Isotope Analyses*. 80<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, MN.

**Mosley C** and Edgar HJH. (2010). *A census-based investigation of relationships between Huntington's Disease, traditional lifeways, and fertility*. 35<sup>th</sup> Annual Meeting of the Human Biology Association, Albuquerque, NM.

**Mosley C**. *An Ethnography of Huntington's Disease: Local Etiology and Perception*. (2005). Second Annual California Undergraduate Anthropology Conference, University of California, Santa Barbara.

### **Grants Awarded**

- 2015 Collaborative Research Grant, Earlham College, \$4000
- 2013 Graduate Student Success Scholarship, University of New Mexico Office of Graduate Studies, \$6000
- 2013 Research Project and Travel Grant, University of New Mexico Office of Graduate Studies, \$273
- 2012 Graduate Research and Development Grant, University of New Mexico Graduate and Professional Student Association, \$2900
- 2008 Graduate Research and Development Grant, University of New Mexico Graduate and Professional Student Association, \$4350

### **Fellowships Awarded**

- 2014–2016 Predoctoral Teaching Fellowship, Earlham College
- 2013 Ford Foundation Dissertation Fellowship. *Honorable Mention*
- 2012 Ford Foundation Dissertation Fellowship. *Honorable Mention*
- 2011 Hibben Senior Fellowship, Department of Anthropology, University of New Mexico, \$15000.
- 2009–2013 New Mexico Higher Education Department Graduate Fellowship, \$7200/academic year.

### **Professional and Public Service**

#### ***Professional Service***

- 2014-2015 *Faculty Judge*, Science Communication Poster Award, Science Division Annual Undergraduate Research Poster Conference, Earlham College.
- 2014 *Graduate Student Representative*, Faculty Mid-Probationary Review Committee, Department of Anthropology, University of New Mexico.
- 2012–2014 *Secretary*, Anthropology Graduate Student Union, University of New Mexico
- 2013 *Member*, Graduate and Professional Student Academy, Graduate Resource Center, University of New Mexico

***Professional Affiliations***

Society for Applied Anthropology  
American Association of Anthropologists  
American Association of Physical Anthropologists  
Human Biology Association

***Public Outreach***

2008–2014 *Tour Guide*, Laboratory of Human Osteology High School and University Outreach Program, Maxwell Museum of Anthropology, University of New Mexico

***Community Service***

2011–2012 *Big Sister Volunteer*, Big Brothers Big Sisters of Central New Mexico

***Additional Experience***

***Distance Education Skills***

Proficiency with online learning management systems (e.g., Sakai, Blackboard, Moodle, WebCT, Canvas) for online courses and web-enhanced onsite courses.

***Research Skills***

Proficiency in qualitative and quantitative research: health research and demographic survey/questionnaire design, recruitment of study participants, participant interviews, research participant support and communication, implementation of informed consent and HIPAA, dissemination of genetic ancestry estimations to research participants, IRB compliance, anthropometric measurement, multiple regression analysis and multivariate analysis.

***Laboratory Skills***

Proficiency with bench laboratory techniques for non-invasive biomarker research: preparation of chemicals and buffer solutions, pipetting, enzyme assay, radioimmunoassay, assay calibration and validation, ELISA, photospectrometry, human biological specimen collection, processing and handling (i.e., dried blood spot samples, saliva, and mouthwash samples).

***Museum Skills***

Proficiency in human skeletal collections management: human skeletal remains processing and curation, human skeletal analysis, human skeletal donor support and communication, Microsoft Access database management, data entry in museum collections databases (Microsoft Access, Specify, PastPerfect, Re:discovery), NAGPRA compliance, repatriation of human skeletal remains, curation of natural history specimens.