

# Kelly Elaine Blevins

She/hers/her  
Curriculum Vitae  
May 2021

## CONTACT INFORMATION

School of Human Evolution and Social Change  
Arizona State University  
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## EDUCATION

- 2016-            Ph.D. in Anthropology  
                  Arizona State University, Arizona, USA
- 2014-2015      M.Sc. in Paleopathology with distinction (first class)  
                  Durham University, Durham, UK
- 2010-2014      B.S. in Biological Anthropology (*summa cum laude*), minor in chemistry  
                  Appalachian State University, North Carolina, USA

## AWARDS AND HONORS

- 2021            Cockburn Student Prize for best podium presentation, Paleopathology Association  
                  48<sup>th</sup> Annual Meeting (\$200)
- 2021            Reynold Ruppé Prize for best archaeology paper, Honorable Mention, School of  
                  Human Evolution and Social Change, ASU (\$250)
- 2020            Donald H. Morris Award for Outstanding Doctoral Student in Bioarchaeology,  
                  School of Human Evolution and Social Change, ASU (\$300)
- 2019            Graduate College Excellence Award, Arizona State University (\$100)
- 2019            Pollitzer Essay Competition, American Association of Physical Anthropology  
                  (\$500)
- 2015            Muskett Hunter Gill Prize (£500) for best Master's thesis in Archaeology,  
                  Archaeology Department, Durham University
- 2014            Archaeology Master's Bursary (£2,000), Archaeology Department, Durham  
                  University
- 2014            Dr. Jill Loucks Memorial Award for Outstanding Senior in Anthropology (\$350),  
                  Anthropology Department, Appalachian State University
- 2013            Jill Loucks Memorial Scholarship (\$1,000), Anthropology Department,  
                  Appalachian State University
- 2010-2014      Goizueta Scholarship (\$100,000), The Coca-Cola Company

## FELLOWSHIPS, TRAVEL, AND RESEARCH GRANTS

- 2020            Graduate College Fellowship, Graduate College ASU (\$5,000)

- 2020-2021 Dissertation Completion Fellowship, Graduate College ASU (\$18,000)
- 2020-2021 The Zoonotic Origins of Tuberculosis Infection in the Pre-contact Americas. **National Science Foundation Biological Anthropology Doctoral Dissertation Improvement Grant**, BCS-1945812 (\$19,999)
- 2019 School of Human Evolution and Social Change Research Grant (\$3,000)
- 2019 Graduate Professional and Student Association Travel Grant (\$950)
- 2018-2019 **Fulbright-García Robles Fellowship to Mexico** (living stipend for nine months)
- 2018 School of Human Evolution and Social Change Travel Grant (\$1000)
- 2018 Graduate Professional and Student Association Career Development Grant (\$550)
- 2018 Graduate Professional and Student Association Travel Grant (\$950)
- 2017 Graduate Professional and Student Association Travel Grant (\$950)
- 2017 Graduate Professional and Student Association Research Support Grant (\$1,377)
- 2016 Graduate Recruitment Package (\$100,000 over three years), School of Human Evolution and Social Change, Arizona State University
- 2015 Rosemary Cramp Fund Project Grant (£100), Archaeology Department, Durham University
- 2014 Conference Travel Grant (\$225), Office of Student Research, Appalachian State University
- 2013 Jill Loucks Memorial Summer Stipend (\$300), Anthropology Department, Appalachian State University
- 2013 Conference Travel Grant (\$200), Office of Student Research, Appalachian State University

## PUBLICATIONS

### Journal Articles

\*Undergraduate trainee co-author

**Blevins KE**, Mansilla Lory J, Buikstra JE, Ghafoor S, Stone AC. Tuberculosis at Tlatelolco: an investigation of how tuberculosis skeletal lesion morphology predicts recovery of *Mycobacterium tuberculosis* complex DNA in a Mesoamerican city (1300-1521 CE). (*In prep*)

**Blevins KE**, McGrane M\*, La Corte M\*, Mansilla Lory J, Guilliem Arroyo S, Buikstra JE. Age and disease structured mortuary deposits at Tenochtitlan-Tlatelolco, a Mesoamerican marketplace and urban center (1300-1521 CE). *Bioarchaeology International*. (*In prep*).

**Blevins KE**, Nelson EA, Herbig A, Krause J, Buikstra JE, Ghafoor S, Mansilla Lory J, Pacheco-Miranda A, Bos KI, Stone AC. *Mycobacterium tuberculosis* complex genomes from Tenochtitlan-Tlatelolco (1350-1521 CE) suggest multiple spillover events into humans. (*In prep*).

Nieves-Colón MA, **Blevins KE**, Contreras-Sieck MA, Bravo López M. Palogenómica y Bioarqueología. Cuicuilco Revista de Ciencias Antropológicas. (*Accepted*)

**Blevins KE**, Crane A, Lum C, Furuta K, Fox K, Stone A. Evolutionary history of *Mycobacterium leprae* in the Pacific. 2020. *Philosophical Transactions of the Royal Society B*. 375: 37520190582.

Robbins Schug G, **Blevins E**, Cox B, Grey KM, Mushrif V. 2013. Infection, disease, and biosocial process at the end of the Indus Civilization. *PLoS One* 0084814.

### **Book Chapters**

Roberts CA, Davies P, **Blevins KE**, Stone AC. The origin and evolution of tuberculosis from clinical, genetic and palaeopathological perspectives. In: Plomp K et al, editors. *Evolving Health: Palaeopathology and Evolutionary Medicine*. (In review).

Robbins Schug G, **Blevins KE**. 2016. The center cannot hold: a bioarchaeology of environmental crisis in the second millennium BCE, South Asia. In: Robbins Schug G, Walimbe SR, editors. *A companion to South Asia in the past*. Wiley-Blackwell.

### **INVITED TALKS AND LECTURES**

#### **2021 (2)**

*Mycobacterium tuberculosis* in the pre-conquest Americas: genetic and bioarchaeological contexts, invited virtual talk for the GenSCAPE lab, University of Chicago.

*Introducción al ADN de patógenos antiguos*, invited virtual talk for Escuela Nacional de Antropología e Historia, Mexico City, Mexico

#### **2020 (3)**

*Paleopathology and Paleogenomics of Tuberculosis in Tenochtitlán-Tlatelolco*, invited talk for Bioarqueología México virtual talk series, *Hablando de Huesos: Conversaciones en tiempos de pandemia*

*Introducción al ADN de patógenos antiguos*, invited virtual talk for Escuela Nacional de Antropología e Historia, Mexico City, Mexico

*Ancient Pathogens: from detection to unraveling evolutionary history*, invited lecture for University of California San Diego, CA Paleogenomics course

#### **2019 (4)**

*Evolutionary history of the Mycobacterium tuberculosis complex in the pre-contact Americas*, invited talk for Asociación Mexicana de Antropología Biológica, Mexico City, Mexico

*Evolutionary history of the Mycobacterium tuberculosis complex in the pre-contact Americas*, invited talk at the Laboratorio Nacional de Genómica para la Biodiversidad,

Guanajuato, Mexico

*Mejores prácticas para tomar muestras, documentar, y devolver restos humanos utilizados para la investigación del ADN antiguo*, invited talk at the Instituto Nacional de Antropología e Historia, Mexico City, Mexico

*Introducción al ADN de patógenos antiguos*, invited lecture at the Escuela Nacional de Antropología e Historia, Mexico City, Mexico

## CONFERENCE PROCEEDINGS

### 2021 (1)

**Blevins KE**, Nelson EA, Herbig A, Krause J, Buikstra JE, Mansilla Lory J, Bos KI, and Stone AC. Skeletal and molecular evidence of the *Mycobacterium tuberculosis* complex from Tenochtitlan-Tlatelolco, a late Postclassic Mesoamerican urban center (1350-1521 CE). Paleopathology Association, 48th annual meeting (virtual).

### 2020 (2)

**Blevins KE**, Mansilla Lory J. Crypt enamel fenestration defects have no association with childhood morbidity or mortality at Tlatelolco, a Mesoamerican urban center (1350-1521 CE). American Association of Physical Anthropologists, 89<sup>th</sup> annual meeting in Los Angeles, California (Conference canceled).

### 2019 (3)

**Blevins KE**, Mansilla Lory J. A comparison of paleodemographic profiles and pathology between ceremonial and non-ceremonial contexts at Tlatelolco (1350-1521 CE). Southwest Mesoamerican Conference, Flagstaff, AZ.

Crane A, **Blevins KE**, Lum C, Fox K, Stone AC. *Mycobacterium leprae* genome variation in the Pacific. International Society for Evolution, Medicine, and Public Health 5<sup>th</sup> annual meeting, Zurich, Switzerland.

**Blevins KE**, Nelson EA, Herbig A, Krause J, Buikstra JE, Mansilla Lory J, Bos KI, Stone AC. *Mycobacterium tuberculosis* complex genomes from the Postclassic Basin of Mexico (1300-1521 CE). MexPopGen, 4<sup>th</sup> annual meeting CDMX, Mexico.

### 2018 (2)

**Blevins KE**, Buikstra J, Stone AC, Mansilla Lory J. Searching for tuberculosis at a Mesoamerican Postclassic urban center. American Association of Physical Anthropologists, 87<sup>th</sup> annual meeting in Austin, Texas.

**Blevins KE**, Filipek KL, Tucker K, Snyder J, Lanigan, L, Hunt K, Crowder K, Oliverson, O, Tschinkel K, et al. Determinants of intracemetery structure at Jucu de Sus necropolis,

Transylvania (700-1100 AD). Paleopathology Association, 45th annual meeting in Austin, Texas.

## 2017 (2)

**Blevins KE**, Roberts CA, Santos AL. Delineating the effects of early life experience on adult immune function in 20<sup>th</sup> century Portugal. American Association of Physical Anthropologists, 86th annual meeting in New Orleans, Louisiana.

**Blevins KE**, Santos AL, Roberts CA. Early life experience and skeletal manifestation of tuberculosis infection in an early 20<sup>th</sup> century Portuguese sample. Paleopathology Association, 44th annual meeting in New Orleans, Louisiana.

## 2016 and before (4)

**Blevins KE**, Filipek KL, Tucker K, Snyder J, Lanigan L, Hunt K, Crowder K, et al. The straw that broke their backs: patterns of spinal trauma in medieval males from the Jucu de Sus Necropolis (Transylvania). 2016. British Association of Biological Anthropology and Osteoarchaeology, 18th annual meeting in Canterbury, England.

**Blevins KE**, Roberts CA, Santos AL. An investigation into the developmental origins of compromised immunity. 2016. Little Lives Conference, first meeting in Durham, England.

Robbins Schug G, **Blevins KE**. *Begotten of Corruption: Leprosy and high rates of infection at the end of the Indus Age*. 2014. American Association of Physical Anthropologists, 83<sup>rd</sup> annual meeting in Calgary, Canada. (AJPA 156(S60):222).

**Blevins E**, Cox B, Robbins Schug G. *The violence of everyday life: pathology, trauma, and community membership at Harappa*. 2013. American Association of Physical Anthropologists, 82<sup>nd</sup> annual meeting in Knoxville, TN. (AJPA 150 (S56):83).

## FIELD EXPERIENCE

- 2016-2019 Transylvania Bioarchaeology  
Jucu Necropolis Project, Romania  
Position: Assistant Director
- 2014 Nelson Mound Group Archaeological Project, NC  
Position: Student  
Duration: May-June
- 2013 The Amarna Project, Egypt  
Position: Student  
Duration: May-June

## PROFESSIONAL SERVICE

- 2021 Co-organizer for third annual *Standards, Precautions, and Advances in Ancient Metagenomics (SPAAM)* conference
- 2021 Organized symposium: *Ancient DNA and paleopathology: reconstructing pathogen evolutionary histories in historical and archaeological contexts* for Paleopathology Association, 48th annual meeting
- 2021- Reviewer for *Archaeometry and Infection, Genetics and Evolution*
- 2019- Reviewer for *Evolutionary Human Sciences*
- 2018-2020 Paleopathology Association Student Group Secretary
- 2017- Reviewer for *International Journal of Paleopathology*

## UNIVERSITY SERVICE

- 2019-2020 President  
Association of All Graduate Students (AAGS), Arizona State University
- 2017-2018 Bioarchaeology Approach Representative  
Association of All Graduate Students (AAGS), Arizona State University
- 2016-2019 Travel and research grant reviewer  
Graduate and Professional Student Association, Arizona State University
- 2014-2015 Staff-Student Consultative Committee Representative  
Archaeology Department, Durham University

## TEACHING EXPERIENCE

### Arizona State University (Tempe, AZ)

- ASM 345 Disease and Human Evolution
- ASB 337 Pyramids and Hieroglyphs
- ASB 335 Ancient Ruins of the Southwest
- ASB 330 Understanding Archaeology
- ASM 301 Peopling of the World

### Appalachian State University (Boone, NC)

- ANT 1430 Our Primate Heritage
- ANT 3300 Human Osteology
- WRC 1104 Freshman English Seminar

## EXTRACURRICULAR UNIVERSITY SERVICE

### Arizona State University

- 2017-2018 Workshop facilitator, *The ART of Inclusive Communication*
- 2016 DreamZONE ally certification
- 2016 SafeZONE ally certification

### Appalachian State University

- 2014 Chair, Appalachian State PRIDE Education Event  
LGBT\* Center,

- 2013-2014 Co-chair, Equality in Action  
First annual conference designed to increase discourse on queer student issues  
Student Initiative
- 2013 Co-chair, *Sexual Assault and the LGBT Community* program committee  
LGBT\* Center
- 2012, 2013 Chair, *Men Who Have Sex with Men Blood Ban Petition* committee  
LGBT\* Center
- 2012-2014 Desk Shift Volunteer  
LGBT\* Center

## COMMUNITY OUTREACH

- 2019-2020 Pen pal for Letters to a Pre-Scientist
- 2018-2020 Scientist for Skype a Scientist
- 2017 Introduction to human evolution for high school students, Institute of Human Origins
- 2017 Volunteer and activity planner for Center for Bioarchaeological Research, Homecoming Block Party, Arizona State University
- 2017 Volunteer and activity planner for Center for Bioarchaeological Research, Night of the Open Door, Arizona State University
- 2016 STEM outreach at primary schools in Newnan, GA: *Introduction to Bioarchaeology*
- 2015 STEM outreach at Coweta Charter Academy: *Bioarchaeology of Amarna, Egypt*
- 2012-2014 Instructor at a forensic anthropology summer camp for high school students
- 2014 STEM outreach at Bethel Elementary science club: *Bioarchaeology of Amarna, Egypt*
- 2013 STEM outreach at Avery County Elementary Science Fair: *What Is Forensic Anthropology?*
- 2013 STEM outreach at Hardin Park School: *Themes in Human Evolution*

## PROFESSIONAL ORGANIZATION MEMBERSHIP

American Association of Physical Anthropologists  
Paleopathology Association  
American Association of Anthropological Genetics

## PROFESSIONAL REFERENCES

Anne C. Stone  
Regents Professor  
School of Human Evolution and Social Change  
Arizona State University  
Tempe, AZ 85287-2402  
acstone@asu.edu

Jane E. Buikstra  
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