

# Caroline A Kisielinski

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Department of Anthropology  
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## EDUCATION

expected 2022 Ph. D. Department of Anthropology, University of Kansas  
Chair: Dennis H. O'Rourke

2016 M. S. Biological Anthropology, University of Utah

2014 B. A. Anthropology with a minor in Integrative Biology, University of Illinois

## PUBLICATIONS

### Peer-Reviewed Journal Articles

2020 Crespo CM, Cardozo DG, Tessone Vázquez M, **Kisielinski C**, Arencibia V, Tackney J, Zangrando AF, Dejean CB. Distribution of maternal lineages in hunter-gatherer societies of the southern coast of Tierra del Fuego, Argentina. *Am J Phys Anthropol.* 2020; 173:709-720.

2019 Tackney J, Jensen AM, **Kisielinski C**, O'Rourke DH. Molecular analysis of an ancient Thule population at Nuvuk, Point Barrow, Alaska. *Am J Phys Anthropol.* 2019; 168:303-317.

### Scientific Illustrations

2022 Raff J. 2022. *Origin: A Genetic History of the Americas*. Twelve Books.

## FUNDING AND AWARDS

### Grants

2018 Genome Sequencing Core Voucher, University of Kansas, \$3,120

### Scholarships and Fellowships

- 2019 National Academy of Sciences 2019 USNC/INQUA Fellowship Grant, \$500
- 2018 Summer Institute in Statistics and Modeling in Infectious Diseases Registration Scholarship, University of Washington, \$400
- 2018 Summer Institute in Statistical Genetics Registration Scholarship, University of Washington, \$800

### **Awards and Honors**

- 2022 Michael H. Crawford Award in Biological Anthropology, University of Kansas, \$1,000
- 2018 University of Kansas Research Excellence Initiative – Graduate Student Writing Incentive, \$2,000
- 2018 Carroll D. Clark Graduate Student Summer Research Award, University of Kansas, \$1,000

### **INVITED TALKS**

- 2019 Application of eDNA Methods to Anthropology, Department of Earth, Environmental, and Planetary Sciences, Brown University, Dec 17.

### **CONFERENCE ACTIVITY**

#### **Papers**

- 2022 R. D. Mandel, L. Bourgeon, **C. Kisielinski**, L. E. Y. Norman, J. Holcomb, D. H. O'Rourke. Bluefish Caves Revisited: A geoarchaeological and paleoenvironmental assessment of a potential pre-clovis site in the Yukon Territory of northwestern Canada. To be presented at the Geological Society of America annual meeting, Denver, CO, October 9-12.
- 2022 R. D. Mandel, L. Bourgeon, **C. Kisielinski**, L. E. Y. Norman, D. H. O'Rourke. Bluefish Caves Revisited: Ongoing and future archaeological and paleoecological research in the northern Yukon of Canada. Presentation at the Canadian Archaeology Association 54<sup>th</sup> Annual Meeting, Edmonton, AB, April 27-30.
- 2021 J. H. Stone, **C. Kisielinski**, J. Tackney, N. Ting, S. M. Fitzpatrick, D. H. O'Rourke. Tracking Human Dispersals to Palau using ancient DNA: Results from the Chelechol ra Orak site. Presentation at the Society for American Archaeology annual meeting, online, April 15-17.
- 2016 J. Stone, **C. Kisielinski**, J. Tackney, S. Fitzpatrick. Ghost of the Navigator: Tracking Initial Human Population Dispersal to the Palauan Archipelago. Presentation at the Society for American Archaeology annual meeting, Orlando, FL. April 6-10.

## Posters

- 2022 L. Sykora, J. Tackney, B. Morris, **C. Kisielinski**, K. G. Beaty, L. E. Y. Norman, M. Adair, A. Rutherford, P. Skoglund, A. Reynolds, J. A. Raff. The genomic history of human populations in the North American Central and Southern Plains. To be presented at the American Society of Human Genetics annual meeting, Los Angeles, CA, October 25-29.
- 2022 **C. Kisielinski** and D. H. O'Rourke. Digging up DNA: Sedimentary ancient DNA as an interdisciplinary tool to reconstruct past biodiversity. Poster at the American Quaternary Association biennial meeting, Madison, WI, June 8-11.
- 2022 L. Sykora, J. Tackney, B. Morris, **C. Kisielinski**, K. G. Beaty, L. E. Y. Norman, A. Reynolds, J. A. Raff. Ancient genomes from the Plains: Preliminary evidence for long-distance population continuity. Poster at the University of Kansas Center for Genomics 1<sup>st</sup> Annual Symposium, Lawrence, KS, May 20.
- 2021 B. Potter, **C. Kisielinski**, J. Tackney, J. Raff, D. H. O'Rourke, F. Sellet. Bloody Sharp Rocks: Optimization of aDNA Extraction, from Experimental Lithic Artifacts. Poster at the Society for American Archaeology annual meeting, online, April 15-17.
- 2019 **C. Kisielinski**, J. Tackney, L. Norman, D. H. O'Rourke. Application of *sedaDNA* to Differentiate Between Ancient Arctic Material Cultural Traditions. Poster at the American Geophysical Union Fall Meeting, San Francisco, CA, December 9-13.
- 2019 **C. Kisielinski**, J. Tackney, D. H. O'Rourke, R. Mandel. eDNA analysis at mid-latitude sites for paleoenvironmental reconstruction. Poster at the International Union for Quaternary Research Congress, Dublin, Ireland, July 25-30.
- 2019 J. H. Stone, **C. Kisielinski**, J. Tackney, S. M. Fitzpatrick, N. Ting, D. H. O'Rourke. Exploring Population Origins and Dispersals using aDNA at Chelechol ra Orrak, Palau. Poster at the American Association of Physical Anthropologists annual meeting, Cleveland, OH, March 27-30.
- 2018 J. H. Stone, **C. Kisielinski**, J. Tackney, S. M. Fitzpatrick, N. Ting, D. H. O'Rourke. New Ancient DNA from Palau Shed Light on Early Micronesian Settlement. Poster at the American Association of Physical Anthropologists annual meeting Austin, TX, April 11-14.

## Workshops Facilitated

2022 Sedimentary Ancient DNA: Introduction and Current Advances. Workshop at the American Quaternary Association biennial meeting, Madison, WI, June 7-11.

## **RESEARCH EXPERIENCE**

2016-present Graduate Research Assistant, KU Ancient DNA Research Facility, University of Kansas  
2014-2016 Graduate Research Assistant, O'Rourke Ancient DNA Lab, University of Utah  
2013-2014 Undergraduate Research Assistant, Malhi Molecular Anthropology Lab, University of Illinois  
2013 Research Assistant for Genomics for Judges Workshop, Institute for Genomic Biology, University of Illinois  
2011-2013 Collections Artifact Preservation Assistant, Spurlock Museum, University of Illinois

## **TEACHING EXPERIENCE**

### **University of Kansas, Teaching Assistant**

Data Carpentry Genomics Workshop, online

### **University of Kansas, Guest Lecturer**

Human Variation and Evolution, *Population Structure and History*

## **PROFESSIONAL SERVICE**

### **Peer Review**

*Human Biology*

## **UNIVERSITY SERVICE**

Data Carpentries Instructor, University of Kansas, 2022-  
Treasurer, KU Graduate Students for Anthropology, 2017-2020  
Session Judge, University of Kansas Undergraduate Research Symposium, 2019  
Poster Judge, University of Kansas Undergraduate Research Symposium, 2018

### **Mentorship**

Graduate Students, Lab skills  
Brittany Bingham (2020-2021)  
Bethany Potter (2019-2021)

Amanda Carmichael (2019-2020)  
Lydia Sykora (2017-2020)  
Kevin Chovanec (2017-2020)  
Christopher Barrett (2019)  
Sarah Unkel (2017- 2019)  
Jessica Stone (2015-2018)

## COMMUNITY OUTREACH

D. H. O'Rourke, R. Mandel, L. Norman, L. Bourgeon, **C. Kisielinski**. Bluefish Caves Revisited: Ongoing and Future Archaeological and Paleoecological Research in Northern Yukon. Presentation and panel discussion for Beringia Science Centre Talks, online, 2022.

**C. Kisielinski**, L. Norman, J. Tackney, L. Bourgeon, T. Heffner, R. Mandel, D. H. O'Rourke. Bluefish Caves: Novel Analyses and New Fieldwork, Presentation, Old Crow Research Gathering, Old Crow, Yukon, Canada, 2021.

**C. Kisielinski**, L. Norman, J. Tackney, L. Bourgeon, T. Heffner, R. Mandel, D. H. O'Rourke. Sedimentary Ancient DNA Analysis at Bluefish Caves. Poster, Old Crow Research Gathering, Old Crow, Yukon, Canada. 2021.

## PROFESSIONAL TRAINING

2022 Better defining and measuring success: Holistic impact, evaluative thinking, and taming perfectionism, American Quaternary Association Biennial Meeting  
2020 Professional Writing Workshop, University of Kansas  
2019 Tell me a story: Storytelling in SciComm, American Geophysical Union Fall Meeting  
2018 Bioinformatics Workshop for Next Generation Sequencing (NGS), University of Kansas  
2018 Summer Institute in Statistics and Modeling in Infectious Diseases, University of Washington  
2018 Summer Institute in Statistical Genetics, University of Washington  
2018 Bioinformatics Bootcamp, Auburn University  
2018 Software Carpentry Workshop, University of Kansas  
2018 Turning on the lights: How to be an effective TA, University of Kansas

## LANGUAGES

Polish: first language; fluent speaking, reading, and writing  
English: first language; fluent speaking, reading, and writing

## **PROFESSIONAL AFFILIATIONS**

American Quaternary Association (2022)

SedaDNA Scientific Society (2021)

KU Center for Genomics (2021)

American Geophysical Union (2019)