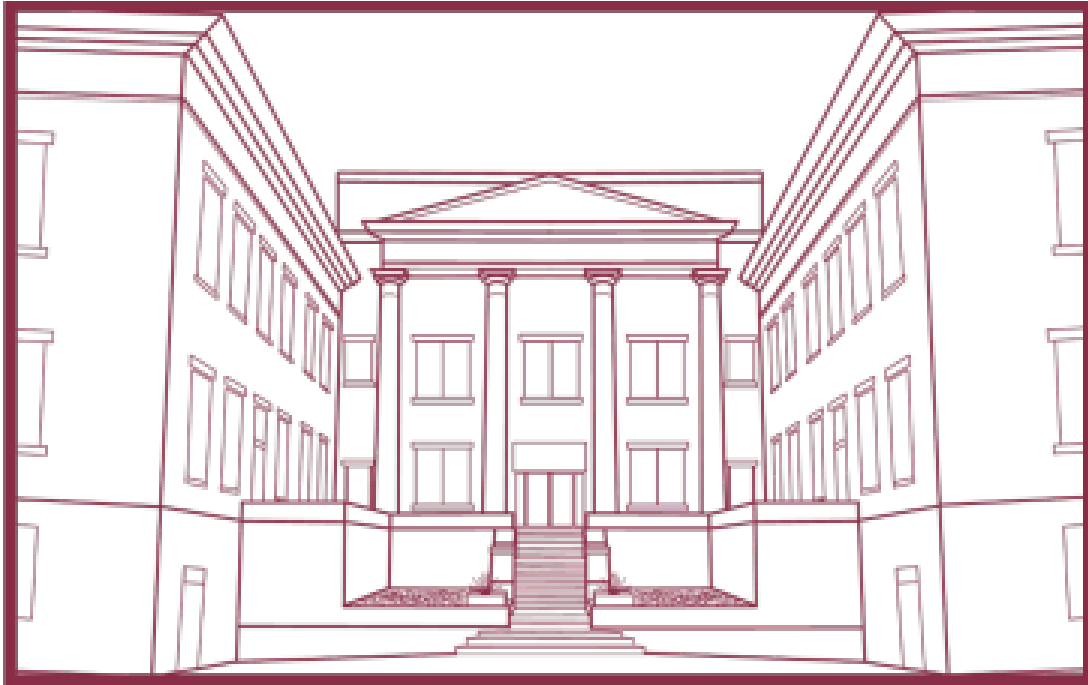


# Spring 2023 Research Symposium



**Friday, April 14, 2023**

**Master's Presentations**

9:00 am - 12:30 pm

Virtual via Zoom

**Undergraduate Posters**

12:00 pm - 2:00 pm

In-Person in the SHESC Lobby

## Graduate Students Presentations Spring 2023

The following presentations will be held live via Zoom in one of two rooms. Please visit the link for the correct room.

- Room 1: <https://asu.zoom.us/j/81303188937>
- Room 2: <https://asu.zoom.us/j/87560833249>

Schedule:

**9:00 -9:10 a.m.**

### **Symposium Welcome**

Dr. Abigail York, Director of Graduate Studies and Professor

**Zoom Room 1:** <https://asu.zoom.us/j/81303188937>

**9:20- 9:50 a.m.**

### **Maggie Hoffman | Evolutionary Anthropology**

Ecology Differentially Constrains Male and Female Sociality in Wild Chimpanzees

Committee: Ian Gilby, Joan Silk, Zarin Machanda

**Zoom Room 1:** <https://asu.zoom.us/j/81303188937>

**9:30- 10:00 a.m.**

### **Nicolas Hansen | Archaeology**

Middle Stone Age Lithics from an Open-Air Site Preserved at Vleesbaai, South Africa

Committee: Curtis Marean, Kathryn Ranhorn, Michael Barton

**Zoom Room 2:** <https://asu.zoom.us/j/87560833249>

**10:00- 10:30 a.m.**

### **Julia Phelps | Evolutionary Anthropology**

Why Perform Tasks for Others? Inter-household Service Transfers in a Sama Marine Foraging Population

Committee: Kim Hill, Sarah Mathew, Thomas Morgan

**Zoom Room 1:** <https://asu.zoom.us/j/81303188937>

**10:10- 10:40 a.m.**

### **Mohammad Jobayer Hossain | Environmental Social Science**

Water Insecurity Hotspots: Delineating the Spatial Variation of Risk to Drinking Water Services in Greater Southwest Coastal Bangladesh

Committee: Amber Wutich, Abigail York, Alexandra Brewis

**Zoom Room 2:** <https://asu.zoom.us/j/87560833249>

- 10:40 a.m. - 11:10 a.m.**     **Hovig Artinian | Evolutionary Anthropology**  
The Role of Variation in Norm Adherence and Degree of Norm Enforcement in the Evolution of Human Cooperation  
Committee: Thomas Morgan, Robert Boyd, Sarah Mathew  
**Zoom Room 1**: <https://asu.zoom.us/j/81303188937>
- 10:50 a.m.- 11:20 a.m.**     **Jordy Oswaldo Rodriguez Rincon | Applied Math for the Life and Social Science**  
Dynamical Models of Plant-Pollinator Interactions with Application to Honey Bee  
Committee: Yun Kang, Jesse Lewis, Michael Barton  
**Zoom Room 2**: <https://asu.zoom.us/j/87560833249>
- 11:20 a.m.- 11:50 a.m.**     **Michael Baumgarten| Evolutionary Anthropology**  
Veteran Norms Survey Project  
Committee: Sarah Mathew, Benjamin Trumble, Matthew Zefferman  
**Zoom Room 1**: <https://asu.zoom.us/j/81303188937>
- 11:30 a.m.- 12:00 p.m.**     **Tamantha Pizarro | Applied Math for the Life and Social Science**  
Mathematical Model of Cooperative Nest Founding by Harvester Queen ant Pogonomyrmex Californicus  
Committee: Yun Kang, Daniel Hruschka, Manfred Laubichler  
**Zoom Room 2**: <https://asu.zoom.us/j/87560833249>
- 12:00 p.m.- 12:30 p.m.**     **Howard Lanus | Evolutionary Anthropology**  
High Life: A Case of Convergent Evolution  
Committee: Anne Stone, Benjamin Trumble, Melissa Wilson, Noah Snyder-Mackler  
**Zoom Room 1**: <https://asu.zoom.us/j/81303188937>

## **Undergraduate Poster Presentations Spring 2023**

Please join us outside at the SHESC courtyard to view our undergraduate students' poster presentations.

- 12:00- 2:00 p.m.**     **Madeleine Oricchio | Anthropology**  
Studying Darwin's Hunch: An Account of Scientific Racism in South African Paleoanthropology

**Estrella Contreras | Neuroscience, Psychology**

Lack of Awareness Towards Mental Health Problems:  
Potential Reasons People Don't Reach Out for Help

**Mackenzie Wright | Anthropology**

Murky Waters in Makuria: Conflicting Evidence for Peace in  
the Christianization of Nubia

**Tatijana Jovanovic | Anthropology**

Shabtis, Real and Fake: Egyptian Objects at Arizona State  
University

**Kimberly Hartle | Anthropology, Biological Sciences**

Examining Sample Loss in the Lab: An Experimental  
Approach for Processing Cryptotephra Samples

**Stefania Becerra Lavado | Anthropology**

Language Maintenance and Intergenerational Shift in US  
Born Children with Spanish-Speaking Immigrant Parents

**Mia Santos | Applied Math for the Life & Social Science**

**Zachariah Bouanani | Anthropology, Politics and the  
Economy**

Analyzing Existing Literature to Inform Better Policy and  
Coproduction with Indigenous Communities in Alaska

**Lynette Hrabik | Political Science and Sociology**

**Antury Garcia | Biological Sciences (Biomedical Sciences)**

**Abdul Wasey Mohammed | Biological Sciences  
(Biomedical Sciences)**

**Breon Robinson | Health Sciences**

**Jessica Tittle | Medical Studies**

**Raine Mcangus | Nonprofit Leadership & Management and  
Public Service and Public Policy**

ASU-ADHS Public Health and Resiliency Partnership