

# KAITLYN M. CAMPBELL

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## EDUCATION

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### Doctor of Philosophy in Natural Resource Sciences

Present

University of Nebraska at Lincoln

Advisors: John Carroll, Ph.D. & Kari Morfeld, Ph.D.

Dissertation: Investigating the physiological, physical, behavioral, social, and environmental factors that influence semen quality in zoo-managed African elephants (*Loxodonta africana*).

### Master of Science in Biology

2020

University of Nebraska at Omaha

Advisors: James Wilson, Ph.D. & Kari Morfeld, Ph.D.

Thesis: Predictors of testosterone in zoo-managed African elephants (*Loxodonta africana*).

### Bachelor of Science in Animal Science

2018

University of Illinois at Champaign-Urbana

Advisor: Prabhakara Reddi, Ph.D.

Senior Thesis: TDP43 deletion in testicular Sertoli cells leads to male infertility.

## EXPERIENCE

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2023 – Present

### Wildlife Endocrinology Lab Manager

Morfeld Research and Conservation, LLC, Omaha, NE

2022 – Present

### SNR Graduate Student Association Chair

School of Natural Resources, College of Agricultural Sciences and Natural Resources, University of Nebraska. Lincoln, NE

2021 – Present

### SNR Student Services Graduate Assistant

School of Natural Resources, College of Agricultural Sciences and Natural Resources, University of Nebraska. Lincoln, NE

2021 – 2022

### SNR Graduate Student Association Treasurer & UNL GSA Representative

School of Natural Resources, College of Agricultural Sciences and Natural Resources, University of Nebraska. Lincoln, NE

2020 – 2021

### Neuroendocrinology Research Technologist – Woolley Lab

Department of Neurobiology and Neurology, Weinberg College of Arts and Sciences, Northwestern University. Evanston, IL

2019 – 2020

### Graduate Program Committee Student Representative

Department of Biology, College of Arts and Sciences, University of Nebraska. Omaha, NE

2018 – 2020

### Graduate Research Assistant – For Elephants Inc.

Wildlife Endocrinology, Reproductive Physiology and Conservation. Omaha, NE

2018

### Reproductive Sciences Research Intern

Center for Conservation and Research, Omaha's Henry Doorly Zoo and Aquarium. Omaha, NE

2016 – 2018

### Reproductive Sciences Undergraduate Research Assistant – Reddi Lab

Department of Comparative Biosciences, College of Veterinary Sciences, University of Illinois. Champaign-Urbana, IL

2016

### Wildlife Monitoring Research Intern

Wildlife Act. Chobe, Botswana

## TEACHING

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2021 – Present

### Graduate Teaching Assistant, School of Natural Resources, College of Agricultural

Sciences and Natural Resources, University of Nebraska. Lincoln, NE

NRES 433 (*Wildlife Management Techniques*)

NRES 492 (*International Study Tours: Field Guiding in South Africa*)

2018 – 2019 **Graduate Teaching Assistant**, Department of Biology, College of Arts and Sciences,  
University of Nebraska. Omaha, NE  
*BIOL 1020 (Principles of Biology)*  
*BIOL 1750 (Biology II)*

## PROFESSIONAL AFFILIATIONS

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2022 – Present **Association for Women in Science** – Student Member  
2022 – Present **Graduate Women in Science** – Student Member  
2021 – Present **Association of Zoos and Aquariums** – Student Member  
2021 – Present **AZA Reproduction and Endocrinology SAG** – Student Member  
2021 – Present **Elephant Managers Association** – Student Member

## PRESENTATIONS

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2021 **International Society of Wildlife Endocrinology**, Virtual Event  
*Predictors of testosterone in zoo-managed African elephants (Loxodonta africana).*

2020 **Elephant Managers Association Conference**, Virtual Conference  
*Monitoring testosterone production in zoo-managed African elephants and future research directions.*

2020 **Research and Creative Activities Fair**, University of Nebraska at Omaha  
*Predictors of testosterone in zoo-managed African elephants (Loxodonta africana).*

2019 **Biology Department Graduate Symposium**, University of Nebraska at Omaha  
*Outstanding Thesis Award: Predictors of testosterone in zoo-managed African elephants (Loxodonta africana).*

2018 **Annual Undergraduate Research Symposium**, University of Illinois at Champaign - Urbana  
*TDP43 deletion in testicular Sertoli cells leads to male infertility.*

2017 **Annual Undergraduate Research Symposium**, University of Illinois at Champaign - Urbana  
*Herbivore population demographics in the Chobe Enclave.*

## PUBLICATIONS

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**Campbell, K., Morfeld, K., & Wilson, J.** (2022). Predictors of testosterone in zoo-managed African elephants (*Loxodonta africana*). *Zoo Biology*

**Campbell, K., Xu, Y., Patel, C., Rayl, J., Zomer, H., Pratt, M., Pramoonjago, P., Timken, M., Miller, L., Ralph, A., Storey, K., Wong, P., Qiao, H., Reddi, P.** (2021). Loss of TDP-43 in male germ cells causes meiotic failure and impairs fertility in mice. *Journal of Biological Chemistry*, 101231

## FUNDING & AWARDS

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2022 – 2023 **UNL Life Sciences Graduate Fellowship**  
2022 **Dr. Ron Johnson and Dr. Mary Beck Graduate Student Fellowship for Nature Conservation**

2019 – 2020 **UNO Rhoden Biological Fellowship**  
2019 **Graduate Research and Creative Activities Grant**

2018 – 2019 **UNO Biology Department Research Funds**

## CERTIFICATIONS

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2022 **Bovine and Caprine Embryo Collection and Transfer Certification**  
Rafter D Genetics – International Embryo Transfer Consulting

2022 **Apprentice Field Guide Certification**  
Field Guide Association of Southern Africa

2022 **Wilderness and Remote First Aid Certification**  
American Red Cross & University of Nebraska