

Dr. Courtney Reed
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University of California Santa Barbara
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PROFESSIONAL APPOINTMENTS

Postdoctoral Researcher 2023 – Pres.
University of California Santa Barbara
Advisor: Dr. Deron Burkepile

EDUCATION

Brown University, Providence, RI 2023
Ph.D. in Ecology, Evolutionary, and Organismal Biology
Advisor: Dr. Tyler Kartzinel

Harvard University Extension School, Cambridge, MA 2018
M.L.A. in Biology
Advisor: Dr. Hopi Hoekstra

University of North Carolina, Chapel Hill, NC 2014
B.A. in Economics; second major in African Studies

PEER-REVIEWED PUBLICATIONS

† Indicates students mentored; * Indicates joint first-authorship

Harry B. M. Wells, Ramiro D. Crego, Jesse M. Alston, S. Kimani Ndung'u, Leo M. Khasoha, **Courtney G. Reed**, Abdikadir A. Hassan, Samson Kurukura, Jackson Ekadeli, Mathew Namoni, Peter S. Stewart, Duncan M. Kimuyu, Amelia A. Wolf, Turman P. Young, Tyler R. Kartzinel, Todd M. Palmer, Jacob R. Goheen, & Robert M. Pringle. 2023. Wild herbivores enhance resistance to invasion by exotic cacti in an African savanna. *Journal of Ecology*, 111(1): 33-44. doi: 10.1111/1365-2745.14010

- Cover article

Jesse M. Alston*, **Courtney G. Reed***, Leo M. Khasoha, Bianca R. P. Brown, Gilbert Busienei, Nathaniel Carlson, Tyler C. Coverdale, Megan Dudenhoefter, Marissa A. Dyck, John Ekeno, Abdikadir A. Hassan, Rhianna Hohbein, Rhiannon P. Jakopak, Buas Kimiti, Samson Kurukura, Peter Lokeny, Allison M. Louthan, Simon Musila, Paul M. Musili, Tosca Tindall, Sarah Weiner, Tyler R. Kartzinel, Todd M. Palmer, Robert M. Pringle, & Jacob R. Goheen. 2022. Ecological consequences of large herbivore exclusion in an African savanna: 12 years of data from the UHURU experiment. *Ecology*, 103(4): e3649. doi: 10.1002/ecy.3649

- Cover article
- Photo Gallery feature – Large herbivore loss in a Kenyan savanna: data from the UHURU experiment. *The Bulletin of the Ecological Society of America*, 103: e01980. doi: 10.1002/bes2.1980

Harry B. M. Wells, Ramiro D. Crego, Øystein H. Opedal, Leo M. Khasoha, Jesse M. Alston, **Courtney G. Reed**, Sarah Weiner, Samson Kurukura, Abdikadir A. Hassan, Mathew Namoni, Jackson Ekadeli, Duncan M. Kimuyu, Turman P. Young, Tyler R. Kartzinel, Todd M. Palmer, Robert M. Pringle, & Jacob R. Goheen. 2021. Experimental evidence that effects of megaherbivores on mesoherbivore space use are influenced by species' traits. *Journal of Animal Ecology*, 90(11): 2510-2522. doi: 10.1111/1365-2656.13565

- Cover article

FIRST-AUTHOR PUBLICATIONS IN PREP

† Indicates students mentored

Courtney G. Reed, Chrishen Gomez†, Loren Albert, Ali Hassan, Sam Kurukura, Maria Stahl, Todd M. Palmer, Jacob R. Goheen, Robert M. Pringle, Tyler R. Kartzinel. Experimental defaunation alters foraging behavior of a small antelope in Kenya. In prep for submission to *Journal of Animal Ecology*.

Courtney G. Reed, Madeleine Florida†, Bethan Littleford-Colquhoun, Logan Torres†, Elizabeth L. Brainerd, Thomas J. Roberts, Sharon M. Swartz, Tyler R. Kartzinel. The form and function of jumping and maneuvering performance in Mongolian gerbils. In prep for submission to *Biology Letters*.

Courtney G. Reed, Leo M. Khasoha, Bianca R. Palmer-Brown, Robert O. Ang'ila, Peter Lokeny, Gilbert Busenei, Ali Hassan, Sam Kurukura, Ian Maywar, Charles Miano, Natalie Nantais, Todd M. Palmer, Robert M. Pringle, Jacob R. Goheen, Tyler R. Kartzinel. Small mammal niche relaxation generates nested trophic networks after defaunation. In prep for submission to *Ecology*.

PRESENTATIONS

Brown Center for Animal Resources and Education (CARE) 2022

Providence, RI

Title: Fear and femurs on a Kenyan savanna

Animal Behavior Society Virtual Meeting 2020

Title: Herbivore behavior shapes food web structure in response to changing resources

American Society of Mammalogists Annual Meeting 2019

Washington, D.C.

Title: Increased vegetation diversity decreases specialization of small mammal dietary networks on a Kenyan savanna

Institute at Brown for Environment and Society Earth Itself Conference 2019

Providence, RI

Title: Increased dietary generalization promotes food network stability following defaunation on a Kenyan savanna

Harvard Extension School ALM Thesis Symposium 2018
Cambridge, MA
Title: Reproductive physiology as a foundation for developing transgenic *Peromyscus*

POSTERS

Comparative Nutrition Society Virtual Symposium 2020
Title: Dik-diks prefer less thorny *Acacias* after competitive release

13th Annual Broad Institute Scientific Retreat 2017
Cambridge, MA
Title: Reproductive physiology as a foundation for developing transgenic *Peromyscus*

Conservation of Adaptive Potential and Functional Biodiversity Conference 2017
Durham, UK
Title: Reproductive physiology as a foundation for developing transgenic *Peromyscus*

AWARDS

Comparative Nutrition Society Malcolm Ramsey Memorial Scholarship 2020
1st Place – IBES Earth Itself Flash Talk Competition 2019
Harvard ALM Dean's Prize for Outstanding Thesis in Biology 2018

GRANTS AND FELLOWSHIPS

NSF Postdoctoral Research Fellowship in Biology (\$207,000 – declined) 2023
American Society of Naturalists Student Research Award (\$2,000) 2022
Society for Integrative and Comparative Biology Grad Student Travel Award (\$2,000) 2022
IBES Graduate Research, Training, and Travel Award (\$4,000) 2021
American Society of Mammalogists James L. Patton Award (\$5,000) 2021
Brown EEB Departmental Dissertation Enhancement Grant (\$10,000) 2020
American Philosophical Society Lewis and Clark Award (\$4,000) 2020
Animal Behavior Society Student Research Grant (\$1,000) 2020
IBES Graduate Research, Training, and Travel Award (\$4,900) 2019

TEACHING

Brown Sheridan Center Teaching Seminar Program
Syllabus Design Course Spring 2022
Certificate 1: Reflective Teaching Fall 2019

Teaching Assistant

Brown University, ENVS 0490, Environmental Science in a Changing World Spring 2022
Brown University, Biology 1450, Community Ecology Spring 2020
Brown University, Biology 043, Evolution of Plant Diversity Spring 2019

Guest Lectures

Brown University, ENVS 0490, Environmental Science in a Changing World	Spring 2022
Wheaton College, Biology 398, Plant Mutualisms	Spring 2021
Brown University, Biology 043, Evolution of Plant Diversity	Spring 2019

SERVICE

Journal Reviews: *Journal of Mammalogy, Rangeland Ecology and Management, Scientific Reports*

Brown EEOB Diversity and Inclusion Action Plan Committee 2021 – 2022
Grad Student Representative

Animal Behavior Society Grant Language Editing Program 2021
Consultant on English grammar/syntax for students submitting research grants

President – EEOB Grad Student Association 2020 – 2021

IBES Diversity and Inclusion Action Plan Committee 2019 – 2020
Grad Student Representative

Coordinator for Brown EEOB Internal Seminar Series 2019 – 2020

Brown EEOB Undergraduate Career Panel 2019
Grad Student Representative

National Collegiate Research Conference 2017; 2018
Cambridge, MA
Poster Judge: Organismic/Evolutionary Biology and Environmental Sciences

MENTORSHIP

Brown Undergraduate Student Researchers
Madeline Florida; Logan Torres Spring 2022

Leadership Alliance Group Mentor Summer 2021
Mentored group of 12 undergraduate students
Taught twice-weekly classes on ecological research skills

Visiting Student Researchers
Chrishen Gomez (Spring 2020)

- 2019 Merdeka Award Grant Recipient, Bornean Carnivore Program, Malaysia

Harvard College Undergraduate Research Association 2017 – 2018
Group mentor for undergraduate student researchers

WORKSHOPS

SlicerMorph 3D Digital Morphology and Morphometrics Workshop	2022
Guarda Evolutionary Biology Grant-Writing Workshop, Guarda, Switzerland	2018
Genome Engineering 5.0 Workshop, Broad Institute, Cambridge, MA	2017