

Courtney Reed
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EDUCATION

Brown University, Providence, RI 2018 – Pres.
Ph.D. Candidate 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
Thesis: Reproductive physiology as a foundation for developing transgenic *Peromyscus*

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

PUBLICATIONS IN PREP

† Indicates students mentored; * Indicates joint first-authorship

Reed CG, Gomez GR[†], Albert L, Hassan AA, Kurukura S, Stahl, M, Palmer TM, Goheen JR, Pringle RM, Kartzinel TR. Experimental defaunation changes mesoherbivore foraging behavior in a Kenyan savanna. In prep for submission to *Journal of Animal Ecology*.

Reed CG, Roberts TJ, Swartz SM, Kartzinel TR. Biomechanical trade-offs between jump power and maneuverability for predator-escape in gerbils (*Meriones unguiculatus*). In prep for submission to *Biology Letters*.

Brown BRP, Malingati L, Lokeny P, Jakopak RP, **Reed CG**, Newsome SD, Palmer TM, Pringle RM, Goheen JR, Kartzinel TR. Spatiotemporal variation in the gut microbiomes of co-occurring wild rodent species. In prep for submission to *Journal of Animal Ecology*.

Wells HBM, Crego RD, Alston JM, Ndung-u KS, Khasoha LM, **Reed CG**, Hassan AA, Kurukura S, Ekadeli J, Namoni M, Sankaran M, Kartzinel TR, Palmer TM, Pringle RM, Goheen JR, Kimuyu DM, Wolf AA, Young TP. Wild herbivores enhance resistance to invasion by exotic cacti in an African savanna. In review at *Journal of Animal Ecology*.

PEER-REVIEWED PUBLICATIONS

† Indicates students mentored; * Indicates joint first-authorship

Alston JM*, **Reed CG***, Khasoha L, Brown BRP, Busienei G, Carlson N, Coverdale TC, Dudenhoefter MO, Dyck M, Ekeno J, Hassan AA, Hohbein R, Jakopak RP, Kimiti B, Kurukuru S, Lokeny P, Louthan AM, Musila S, Musili PM, Tindall T, Weiner S, Kartzinel TR, Palmer TM, Pringle RM, Goheen JR. 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

Wells HBM, Crego RD, Opedal ØH, Khasoha LM, Alston JM, **Reed CG**, Weiner S, Kurukura S, Hasson AA, Namoni M, Ekadeli J, Kimuyu DM, Young TP, Kartzinel TR, Palmer TM, Pringle RM, Goheen JR. 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

OTHER PUBLICATIONS

† Indicates students mentored; * Indicates joint first-authorship

Reed CG, Alston JM, Kartzinel TR, Pringle RM, Goheen JR. 2022. Large herbivore loss in a Kenyan savanna: data from the UHURU experiment. *The Bulletin of the Ecological Society of America*. doi: 10.1002/bes2.1980

PRESENTATIONS

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

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

Coordinator for Brown EEOB Internal Seminar Series	2019 – 2020
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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

Visiting Student Researchers

Chrishen Gomez (Spring 2020)

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

Harvard College Undergraduate Research Association 2017 – 2018
Research Mentor

PROFESSIONAL DEVELOPMENT

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