

**Courtney Reed**  
Department of Ecology, Evolutionary, and Organismal Biology  
Brown University | Providence, RI, USA  
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## EDUCATION

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**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

## PEER-REVIEWED PUBLICATIONS

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† Indicates students mentored; \* Indicates joint first-authorship

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. *Journal of Animal Ecology* in press.

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
- 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

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

## PUBLICATIONS IN PREP

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† Indicates students mentored

**Reed CG**, Gomez GR<sup>†</sup>, 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**, Brainerd EL, Florida M<sup>†</sup>, Littleford-Colquhoun B, Roberts TJ, Swartz SM, Torres L<sup>†</sup>, Kartzinel TR. Biomechanical trade-offs between jumping and maneuverability for predator-escape in gerbils (*Meriones unguiculatus*). In prep for submission to *Biology Letters*.

**Reed CG**, Palmer-Brown BR, Maywar I, Nantais N, Khasoha LM, Busenei G, Kurukura S, Hassan AA, Palmer TM, Pringle RM, Goheen JR, Kartzinel TR. Small mammal foraging behavior drives changes in trophic network structure after large herbivore defaunation. In prep for submission to *Ecology Letters*.

## PRESENTATIONS

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**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

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

**13<sup>th</sup> 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**

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

## **GRANTS AND FELLOWSHIPS**

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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**

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### **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**

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**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

<b>IBES Diversity and Inclusion Action Plan Committee</b> Grad Student Representative	2019 – 2020
<b>Coordinator for Brown EEOB Internal Seminar Series</b>	2019 – 2020
<b>Brown EEOB Undergraduate Career Panel</b> Grad Student Representative	2019
<b>National Collegiate Research Conference</b> Cambridge, MA Poster Judge: Organismic/Evolutionary Biology and Environmental Sciences	2017; 2018

## **MENTORSHIP**

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<b>Brown Undergraduate Student Researchers</b> Madeline Florida; Logan Torres	Spring 2022
<b>Leadership Alliance Group Mentor</b> Mentored group of 12 undergraduate students Taught twice-weekly classes on ecological research skills	Summer 2021
<b>Visiting Student Researchers</b> Crishen Gomez (Spring 2020) <ul style="list-style-type: none"> <li>• 2019 Merdeka Award Grant Recipient, Bornean Carnivore Program, Malaysia</li> </ul>	
<b>Harvard College Undergraduate Research Association</b> Group mentor for undergraduate student researchers	2017 – 2018

## **WORKSHOPS**

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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