

DR. HALDRE ROGERS

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Academic Positions

- 2015-present **Assistant Professor**, Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA
- 2013-present **Adjunct Professor**, Western Pacific Tropical Research Center, University of Guam, Mangilao, Guam
- 2011-2015 **Huxley Faculty Fellow**, Department of Ecology and Evolutionary Biology, Rice University, Houston, TX

Degrees Earned

- 2005-2011 **PhD, Department of Biology, University of Washington, Seattle, WA**
Thesis: *What is the fate of a silent forest? The impact of complete bird loss on the forests of Guam* (Chair: Joshua Tewksbury)
- 1996-2000 **B.A. Colgate University, Hamilton, NY, Magna cum laude** in Biology

Significant Professional Experience

- 2002-2005 **Rapid Response Team Coordinator**, US Geological Survey Brown Treesnake Project, Dededo, Guam. Supervisor: Dr. Gordon Rodda. Created a Rapid Response Team to identify new Brown Treesnake populations on islands in the Pacific. Conducted outreach about the snake for government agencies, schools, and general public across the western Pacific.

Research Funding (selected)

The asterisk () indicates a grant for which I was not an official PI due to graduate student status, but on which I was the lead writer and project director*

- 2014 **Strategic Environmental Research and Development Program**: Restoring ecological function to a novel ecosystem in the presence of one of the world's most destructive invasive species. PI: H. Rogers. Co-PI's: Julie Savidge (Colorado State Univ.) and J. Tewksbury. \$2.492 m to PI Rogers, subcontract to PI Savidge.
- 2012 **National Science Foundation Research Grant (DEB-1258148)**: The impact of an empty forest on tree recruitment and community structure PI: Haldre Rogers. Co-PI's: Amy Dunham (Rice University) and Ross Miller (University of Guam). REU & RET Supplements in 2014 and 2015
- 2008 ***US Department of Agriculture, CSREES Research grant**: The indirect impacts of the invasive Brown Treesnake on forests and agriculture in Guam. PI's: Joshua Tewksbury and Janneke HilleRisLambers.
- 2008 ***National Science Foundation Research Grant (DEB-0816465)**: What is the Fate of a Silent Forest? The Importance of Avian Seed Dispersal and Herbivore Control for Tropical Forest Community Structure. DEB 0816465. PI's: Joshua Tewksbury and Janneke HilleRisLambers (University of Washington) and Ross Miller (University of Guam). REU & RET Supplements from 2009-2011.
- 2008 **National Science Foundation Doctoral Dissertation Improvement Grant**: What is the fate of a silent forest? The role of avian seed dispersal and insectivory in plant recruitment on Guam.

Selected Publications (**=undergraduate student author, *=graduate student author)

Aslan, CE, JL Bronstein, **HS Rogers**, KB Gedan, JF Brodie, TM Palmer, TP Young. 2016. Leveraging nature's backup plans to incorporate interspecific interactions and resilience into restoration. *Restoration Ecology*. 24(4):434-440.

Wenny, DG, CH Sekercioglu, N Cordeiro, **HS Rogers**, D Kelly, and CJ Whelan. 2016. "Seed Dispersal by Fruit-eating Birds" in *Why Birds Matter: Ecosystem Services Provided by Birds*. University of California Press. Ch.5.

Wandrag, EM, AE Dunham, RH Miller, and **HS Rogers**. 2015. Vertebrate seed dispersers maintain the composition of tropical forest seedbanks. *AoB PLANTS* 7:plv130.

Brodie, JF, CE Aslan, **HS Rogers**, KH Redford, JL Maron, JL Bronstein and CR Groves. 2014. Secondary extinctions of biodiversity. *Trends in Ecology and Evolution*. 29(12):664–672.

Tewksbury, JJ and **HS Rogers**. 2014. An animal-rich future. *Science*. 345:400.

Fricke, E*, JJ Tewksbury and **HS Rogers**. 2014. Multiple natural enemies cause distance-dependent mortality at the seed-to-seedling transition. *Ecology Letters*. 17(5):593-598

Beckman, NG and **HS Rogers**. 2013. Consequences of seed dispersal for plant recruitment in tropical forests: interactions within the seedscape. *Biotropica*. 45(6):666-681.

Hille Ris Lambers, J, AK Ettinger*, KR Ford*, DC Haak*, M Horwith*, BE Miner*, **HS Rogers***, KS Sheldon*, JJ Tewksbury, SM Waters*, and S Yang*. 2013. Accidental experiments: ecological and evolutionary insights and opportunities derived from global change. *Oikos*. 122(12):1649:1661.

Caves E**, S Kemp-Jennings**, J Hille Ris Lambers, JJ Tewksbury and **HS Rogers**. 2013. [The role of birds in forest regeneration: Dispersal of native seeds into secondary forest in the Mariana Islands](#). PLoS ONE.

Rogers HS, J Hille Ris Lambers, R Miller and JJ Tewksbury. 2012. [‘Natural experiment’ demonstrates top-down control of spiders by birds on a landscape-level](#). PLoS ONE 7(9): e43446. 5th most viewed paper of 2012, 12th most viewed of all time on PLoS One with >180,000 views.

McConkey KR, S Prasad, RT Corlett, A Campos-Arceiz, JF Brodie, **HS Rogers** and L Santamaria. 2012. Seed dispersal in changing landscapes. *Biological Conservation*. 146(1):1-13.

Awards (Selected)

2012 **University of Washington College of Arts and Sciences Dean’s Medal**

2012 **University of Washington College of Arts and Sciences Timeless Award**

2003 **US Geological Survey STAR award**: Award for exemplary work as a USGS employee

Fellowships

2006 **National Science Foundation IGERT fellowship**

2005 **National Science Foundation Graduate Research Fellowship**

Supervising and Mentoring Experience-

- **Advisor**: Ann Marie Gawel (PhD ongoing) and Brittany Cavazos (PhD ongoing)
- **Committee member**: Evan Fricke (PhD, 2015, University of Washington, “The demographic importance of seed dispersal for tropical forest trees”); Ann Gawel (MS, 2011, Univ. of Guam, “Effect of Invasive Ungulates on Forests of Guam”). Currently works for US Fish and Wildlife Service; Chris Roy (MS, 2013, Rice University, “Impact of bird loss on pollination networks in the Mariana Islands”).

Teaching Experience (selected)

2016 **Instructor**, BIO 211, Introduction to Biology. 14-week course. 170 students.

2015 **Instructor**, EBIO 573, Ecosystem Management & Conservation. 12-week, 3-credit MS course.

2013,14 **Instructor**, EBIO325, Ecology, Rice U. 1 teaching assistant, 12 week, 3-credit course.

2012 **Instructor**, Island Ecology Field Research course. 15 days. 14 students from the University of Guam, Guam Community College and Northern Marianas College. Intensive, field-based course.

2011 **Instructor**, EBIO 323, Conservation Biology, Rice University. 40 students, 1 TA, 3-credit 10-week course.

Invited Presentations & Media Appearances (selected)

- Trinity University, Northern Arizona University, Ecological Society of America Annual Meeting, Association for Tropical Biology and Conservation Annual Meeting, EcoSummit, Texas A&M University, British Ornithologists’ Union Annual Meeting, US Fish and Wildlife Service.
- All Things Considered, National Public Radio; Quirks and Quarks, Canadian Broadcasting Company.