Andrew T. **Tredennick**

Postdoctoral Research Associate · Quantitative Ecologist

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Education

Colorado State University — *Fort Collins, CO*

Ph.D. in Ecology — *2014*

Texas Tech University — *Lubbock, TX*

B.S. in Biology — *2006*

Professional Appointments

Dept. of Wildland Resources, Utah State University — *Logan, UT*

Postdoctoral Research Associate — *Aug. 2017 - PRESENT*

Dept. of Wildland Resources, Utah State University — *Logan, UT*

NSF Postdoctoral Fellow — *Aug. 2014 - July 2017*

Natural Resource Ecology Lab, Colorado State University — *Fort Collins, CO*

NASA Graduate Research Fellow — *Aug. 2011 - May 2014*

Natural Resource Ecology Lab, Colorado State University — *Fort Collins, CO*

Graduate Research Assistant — *Aug. 2009 - July 2011*

U.S. Forest Service Rocky Mountain Research Station — *Fort Collins, CO*

Research Assistant — *Jan. 2009 - Aug. 2009*

Dept. of Forest, Rangeland, and Watershed Stewardship, Colorado State University — *Fort Collins, CO*

Graduate Teaching Assistant — *Aug. 2008 - Dec. 2008*

Honors & Awards

2015 **Travel Award**, NEON and Powell Center Workshop on 'Ecological Forecasting'

2014 **Postdoctoral Research Fellowship in Biology and Mathematics**, National Science Foundation

2013 **First Place Oral Presentation**, Front Range Student Ecology Symposium

2012 **Travel Award**, NSF FORECAST Research Coordination Network Meeting

2012 **Sustainability Leadership Fellow**, Schoold of Global Environmental Sustainability, Colorado State University

2011 **Earth and Space Science Graduate Research Fellowship**, NASA

2010 **James E. Ellis Memorial Scholarship**, Natural Resource Ecology Lab, Colorado State University

2009 **NSF Graduate K-12 Fellowship**, Natural Resource Ecology Lab, Colorado State University

Publications

The relationship between species richness and ecosystem variability is shaped by the mechanism of coexistence — *Ecology Letters*

Tredennick, A.T., P.B. Adler, & F.R. Adler — *2017*

Do we need demographic data to forecast plant population dynamics? — *Methods in Ecology & Evolution*

Tredennick, A.T., M.B. Hooten, & P.B. Adler — *2017*

Environmental responses, not species interactions, determine synchrony of dominant species in semiarid grasslands — *Ecology*

Tredennick, A.T., C. de Mazancourt, M. Loreau, & P.B. Adler — *2017*