

Andrew T. Tredennick

POSTDOCTORAL RESEARCH ASSOCIATE · QUANTITATIVE ECOLOGIST

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Education

Colorado State University

PH.D. IN ECOLOGY

Fort Collins, CO

2014

Texas Tech University

B.S. IN BIOLOGY

Lubbock, TX

2006

Professional Appointments

Odum School of Ecology, University of Georgia

POSTDOCTORAL RESEARCH ASSOCIATE

Athens, GA

June 2018 - PRESENT

Department of Wildland Resources, Utah State University

POSTDOCTORAL FELLOW III ('17-'18) & NSF POSTDOCTORAL FELLOW ('15-'17)

Logan, UT

Aug. 2014 - May 2018

Natural Resource Ecology Laboratory, Colorado State University

NASA GRADUATE FELLOW ('11-'14), GRADUATE RESEARCH ASSISTANT ('09-'11), & GRADUATE TEACHING ASSISTANT ('08-'09)

Fort Collins, CO

Aug. 2008 - July 2014

U.S. Forest Service Rocky Mountain Research Station

RESEARCH ASSISTANT

Fort Collins, CO

Jan. 2009 - Aug. 2009

Publications

Tredennick, A.T.*, B.J. Teller*, P.B. Adler, G. Hooker, & S.P. Ellner. (2018). Size-by-environment interactions: a neglected dimension of species' responses to environmental variation. *Ecology Letters*.

*Authors contributed equally.

Adler, P.B., D. Smull, K.H. Beard, R.T. Choi, T. Furniss, A. Kulmatiski, **A.T. Tredennick**, & K.E. Veblen. (2018). Competition and coexistence in plant communities: intraspecific competition is stronger than interspecific competition. *Ecology Letters* 21(9):1319-1329.

Tredennick, A.T.*, A.R. Kleinhesselink*, J.B. Taylor, & P.B. Adler. (2018). Ecosystem functional response across precipitation extremes in a sagebrush steppe. *PeerJ* 6:e4485.

*Authors contributed equally.

Dietze, M.C., A. Fox, L. Beck-Johnson, J.L. Betancourt, M.B. Hooten, C.S. Jarnevich, T. Keitt, M.A. Kenney, C.M. Laney, L.G. Larsen, H.W. Loesch, C.K. Lunch, B. Pijanowski, J.T. Randerson, E.K. Read, **A.T. Tredennick**, R. Vargas, K.C. Weathers, & E.P. White. (2018). Iterative near-term ecological forecasting: Needs, opportunities, and challenges. *Proceedings of the National Academy of Sciences* 115(7):1424-1432.

Wilcox*, K.R., **A.T. Tredennick***, S. Koerner, E. Grman, L. Hallett, M. Avolio, K. La Pierre, G. Houseman, F. Isbell, D. Johnson, J. Alatalo, A. Baldwin, E. Bork, E. Boughton, W. Bowman, A. Britton, J. Cahill, S. Collins, G-Z. Du, A. Eskelinen, L. Gough, A. Jentsch, C. Kern, K. Klanderud, A. Knapp, J. Kreyling, Y. Luo, J. McLaren, P. Megonigal, V. Onipchenko, J. Prevéy, J. Price, C. Robinson, O. Sala, M. Smith, N. Soudzilovskaia, L. Souza, D. Tilman, S. White, Z. Xu, L. Yahdjian, Q. Yu, P. Zhang, Y. Zhang. (2017). Asynchrony among local communities stabilizes ecosystem function of metacommunities. *Ecology Letters* 20(12):1534-1545.

*Authors contributed equally.

Tredennick, A.T., P.B. Adler, & F.R. Adler. (2017). The relationship between species richness and ecosystem variability is shaped by the mechanism of coexistence. *Ecology Letters* 20(8):958-968.