

Quentin D. Read

Postdoctoral Researcher

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- Michigan State University (MSU)**, East Lansing, MI *2016-present*
Postdoctoral researcher, Forestry (Ecology, Evolutionary Biology, & Behavior Program)
Advisors: Dr. Phoebe Zarnetske (MSU) and Dr. Sydne Record (Bryn Mawr College)
- University of Tennessee (UT)**, Knoxville, TN *2011-2016*
Ph.D., Ecology and Evolutionary Biology
Advisor: Dr. Nathan Sanders
- University of North Carolina**, Chapel Hill, NC *2005-2009*
B.S. with highest distinction, Environmental Science

Skills

Data analysis and programming in R
Parallel computing in Unix environment
Spatial analysis, mapping, and GIS
Synthesizing ecological data and theory

Teaching & mentoring

- Co-instructor**, MSU: Metacommunity Ecology *2017*
- Graduate teaching assistant**, UT: Models in Biology, Conservation Biology, General Ecology, Introduction to Biodiversity *2011-2016*
- Guest lecturer**, UT: Conservation Biology, General Ecology
- Designed and led workshops**, Rocky Mountain Biological Laboratory: Statistics with R, Graphing with R and ggplot *2014, 2015*
- Program development**, UT: Research assistantship with Dr. Elisabeth Schussler improving training and professional development for graduate teaching assistants *2013*
- Curriculum development**, UT: Member of panel developing and reforming curriculum of undergraduate introductory biology courses *2013-2014*
- Undergraduate mentoring**, UT, Rocky Mountain Biological Laboratory, and MSU: Mentored over 12 undergraduate researchers and laboratory assistants *2012-2016*

Honors & awards

- Science Alliance award**, for exemplary accomplishments as a graduate student (\$3000) *2015*
- Outstanding Outreach and Community Service award**, UT-Knoxville Department of Ecology and Evolutionary Biology (awarded for leadership of Darwin Day) *2014*
- Dr. Jean H. Langenheim Endowed Graduate Fellowship** in the Ecology and Evolution of Plants, Rocky Mountain Biological Laboratory (\$6000) *2013-2014*
- Honorable Mention, **National Science Foundation Graduate Fellowship** *2013*
- Dr. Lee R. G. Snyder Memorial Fellowship**, Rocky Mountain Biological Laboratory *2012*

Organizational & outreach activity

- Organized and presented at working group meeting with collaborators, National Ecological Observatory Network headquarters 2017
- Organized and coordinated Darwin Day, a student-run science education event, UT 2014
- Volunteered at elementary and middle schools, a kids' nature camp, and public outreach events including Boo at the Zoo, Tennessee State Science Olympiad, and Biology on Tap 2012-2017

Selected publications & presentations

- Read, Q. D.**, J. A. Henning, and N. J. Sanders. 2017. Intraspecific variation in traits reduces ability of trait-based models to predict community structure. *Journal of Vegetation Science*. DOI: 10.1111/jvs.12555
- Read, Q. D.**, J. A. Henning, A. T. Classen, and N. J. Sanders. 2017. Aboveground resilience to species loss but belowground resistance to nitrogen addition in montane plant communities. *Journal of Plant Ecology*. DOI: 10.1093/jpe/rtx015
- Read, Q. D.**, S. M. Hoban, M. B. Eppinga, J. A. Schweitzer, and J. K. Bailey. 2016. Accounting for the nested nature of genetic variation across levels of organization improves our understanding of biodiversity and community ecology. *Oikos* 125:895-904. DOI: 10.1111/oik.02760 *Editor's Choice*.
- Read, Q. D.**, N. J. Sanders, and A. T. Classen. "A globally replicated experiment shows that long-term environmental filters constrain plant response to increased temperature and loss of foundation species." Ecological Society of America, August 2015. (presentation)
- Read, Q. D.**, L. C. Moorhead, N. G. Swenson, J. K. Bailey, and N. J. Sanders. 2014. Convergent effects of elevation on functional leaf traits within and among species. *Functional Ecology* 28:37-45. DOI: 10.1111/1365-2435.12162
- Hendershot, J. N*, **Q. D. Read**, J. A. Henning, N. J. Sanders, and A. T. Classen. 2017. Consistently inconsistent drivers of patterns of microbial diversity and abundance at macroecological scales. *Ecology*. DOI: <http://onlinelibrary.wiley.com/doi/10.1002/ecy.1829/full>.
- Yoon, S. A.* and **Q. D. Read**. 2016. Consequences of exotic host use: impacts on Lepidoptera and a test of the ecological trap hypothesis. *Oecologia*. DOI: 10.1007/s00442-016-3560-2

* first author is an undergraduate whom I mentored

Selected work experience

- Lab of Dr. Jim Clark, Duke University**, Durham, NC
Research technician 2008, 2010-2011
- Smithsonian Conservation Biology Institute**, Front Royal, VA
Ecology intern 2010
- North Carolina Botanical Garden**, Chapel Hill, NC
Conservation and Land Management intern 2009

References

- Dr. Phoebe Zarnetske**, Michigan State University (postdoc advisor) plz@anr.msu.edu
- Dr. Sydne Record**, Bryn Mawr College (postdoc advisor) srecord@brynmaur.edu
- Dr. Nathan Sanders**, University of Vermont (Ph.D. advisor) nathan.sanders@uvm.edu
- Dr. Aimee Classen**, University of Vermont (on Ph.D. committee) aimee.classen@uvm.edu
- Dr. Jason McLachlan**, University of Notre Dame (collaborator) jmclachl@nd.edu