CV

nINA LANY

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EDUCATION

2014 Ph.D., Ecology and Evolutionary Biology, Dartmouth College, Hanover, NH

 *Dissertation: Effects of temperature on species interactions in northern hardwood forests*

 *Advisor: M.P. Ayres*

2009 B.S. Natural Science, Lyndon State College

1995 B.A. Comparative Literature, College of Wooster

PUBLICATIONS

Schliep, E.M., **N.K. Lany**, P.L. Zarnetske, R. Schaeffer, C.M. Orians, D.A. Orwig, and E.L. Priesser. 2017. Joint species distribution modeling for spatio-temporal occurrence and ordinal abundance data. *Global Ecology and Biogeography*. In press. <https://doi.org/10.1111/geb.12666>

Welshofer, K.B., P.L. Zarnetske, **N.K. Lany**, L.A. Thompson. 2017. Open-top chambers for temperature manipulation in taller-stature plant communities. *Methods in Ecology and Evolution*. In press. https://doi.org/10.1111/2041-210X.12863

**Lany, N.K.,** P.L. Zarnetske, T.C. Gouhier. B. Menge. 2017. Incorporating context dependency of species interactions in species distribution models. *Journal of Integrative and Comparative Biology* 57(1):159-167

Weed, A. S, J.S. Elkinton, **N.K. Lany**. 2016. Density-dependent recruitment and diapause in the spring-feeding generation of hemlock woolly adelgid (Hemiptera: Adelgidae) in western North America. *Environmental Entomology* 45(6), 1352-1359.

**Lany, N.K**., M.P. Ayres, E.E. Stange, T.S. Sillett, N.L. Rodenhouse, R.T. Holmes. 2016. Breeding timed to maximize reproductive success in a migratory songbird: the importance of phenological asynchrony. *Oikos* 125(5): 656-666.

Townsend, A. K., T. S. Sillett, **N. K. Lany**, S. A. Kaiser, N. L. Rodenhouse, M. S. Webster, and R. T. Holmes. 2013. Warm Springs, Early Lay Dates, and Double Brooding in a North American Migratory Songbird, the Black-Throated Blue Warbler. *Plos One* **8 (4)**: e59467.

Groffman, P. M., L. E. Rustad, P. H. Templer, J. L. Campbell, L. M. Christenson, **N. K. Lany**, A. M. Socci, M. A. Vadeboncoeur, P. G. Schaberg, G. F. Wilson, C. T. Driscoll, T. J. Fahey, M. C. Fisk, C. L. Goodale, M. B. Green, S. P. Hamburg, C. E. Johnson, M. J. Mitchell, J. L. Morse, L. H. Pardo, and N. L. Rodenhouse. 2012. Long-Term Integrated Studies Show Complex and Surprising Effects of Climate Change in the Northern Hardwood Forest. *Bioscience* **62**:1056-1066.

MANUSCRIPTS IN review

**Lany, N.K.,** P.L. Zarnetske, E.M. Schliep, R. Schaeffer, C.M. Orians, D.A. Orwig, and E.L. Priesser. Asymmetric biotic interactions and abiotic niche differences revealed by a joint species distribution model. Submitted.

Welshofer, K.M., P.L. Zarnetske, **N.K. Lany**, Q.D. Read. Short-term responses to warming vary between native *vs.* exotic species and with latitude in an early successional plant community. In revision.

MANUSCRIPTS IN preparation

**Lany, N.K.,** Ayres, M.P., and Scriber, J.M. Temperature and the strength of top-down interactions: a field test using *Papilio* butterfly larvae.

**Lany, N.K**., E.E. Stange, M.P. Ayres. Synchronous fluctuations in foliar nitrogen and Lepidoptera abundance in a northern hardwood forest.

GRANTS, fellowships, and AWARDS

2017 Michigan Invasive Species Grant Program, Michigan Department of Natural Resources (co-PI)

2016 LTER: Long-Term Ecological Research at the Hubbard Brook, National Science Foundation (co-PI)

2015 Arnold O. Beckman Postdoctoral Fellows Award, Arnold and Mabel Beckman Foundation

2015 Murray F. Buell Award for Outstanding Student Paper, Ecological Society of America 2014 Annual Meeting

2014 Doctoral Dissertation Improvement Grant (DDIG), National Science Foundation (co-PI)

2010 Integrative Graduate Education and Research Traineeship (IGERT), National Science Foundation

INVITED PRESENTATIONS

2017 Kellogg Biological Station, Hickory Corners, MI (seminar)

2017 Society for Integrative and Comparative Biology Annual Meeting, New Orleans LA (symposium)

2015 Northeastern Forest Pest Council, Hanover NH (symposium)

2015 Michigan State University, Department of Forestry, East Lansing, MI (seminar)

2014 International Union of Forest Research Organizations World Congress, Salt Lake City, UT (symposium)

2013 Swedish University of Agricultural Sciences, Uppsala, Sweden (seminar)

2013 Plymouth State College, Department of Biology, Plymouth, NH (seminar)

2012 North American Ornithological Conference, Vancouver, British Colombia (symposium)

2011 North American Forest Insect Working Conference, Portland, OR (symposium)

CONTRIBUTED PRESENTATIONS (select)

2016 Gordon Conference on Predator-Prey Interactions, Irvine, CA

2014 Entomological Society of America Annual Meeting, Portland OR

2014 Ecological Society of America 99th Annual Meeting, Sacramento, CA

2013 Entomological Society of America Annual Meeting, Austin, TX

2012 All Scientists Meeting, NSF Long Term Ecological Research Network, Estes Park, CO (poster)

2011 American Geophysical Union Fall Meeting, San Francisco, CA (poster)

2010 Entomological Society of America Annual Meeting, San Diego, CA (poster)

PROFESSIONAL MEMBERSHIPS

Ecological Society of America, Entomological Society of America

TEACHING

2015 Guest lectures in Intro to Forestry, Forest Ecology, and Geography of Plants, Michigan State University

2014 Bayesian Methods for Statistical Modeling and Inference in Ecology, Dartmouth College (graduate seminar)

2013 Practicum in combining theories, models, and data in ecological research. Swedish University of Agricultural Sciences, Uppsala, Sweden (graduate seminar, co-instructor)

2013 Facilitated ethics seminars for incoming graduate students, Dartmouth College

2009-14 Dartmouth College: Teaching Assistant/Guest Lectures in Marine Biology, Biostatistics, Physiological Ecology, Tropical Ecology, Introduction to Ecology

2003-09 Taught Mathematical Concepts, College Algebra, Global Issues in the Media, First Year Seminar at the Associates level (Community College of Vermont)

professional service

Journal referee for American Naturalist, Biological Conservation, Ecological Applications, Ecology and Evolution, Environmental Entomology, European Journal of Entomology, Global Change Biology, Journal of Ecology, Journal of Field Ornithology, Journal of Vegetation Science, Oecologia, Oikos, Polar Biology