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EDUCATION

Northwestern University, Environmental and Geological Sciences, BA 1997.

CURRENT APPOINTMENTS

2001 - present **Research Support Staff**, Cary Institute of Ecosystem Studies, Millbrook, NY
2005 - present **Research Support Staff**, Department of Ecology, Evolution, and Environmental
Biology, Columbia University, New York, NY

PUBLICATIONS

Rosati, A., K. J. Wolz, L. Murphy, L. Ponti, and S. Jose. 2020. Modeling light below tree canopies overestimates net photosynthesis and radiation use efficiency in understory crops by averaging light in space and time. *Agricultural and Forest Meteorology* 284. DOI: 10.1016/j.agrformet.2019.107892

Canham, C. D., L. Murphy, R. Riemann, R. McCullough, and E. Burrill. 2018. Local differentiation in tree growth responses to climate. *Ecosphere* 9(8). DOI: 10.1002/ecs2.2368

Brown, M. L., C. D. Canham, L. Murphy, and T. M. Donovan. 2018. Timber harvest as the predominant disturbance regime in northeastern U.S. forests: effects of harvest intensification. *Ecosphere* 9(3). DOI: 10.1002/ecs2.2062

Feng, X., M. Uriarte, G. Gonzalez, S. Reed, J. Thompson, J. K. Zimmerman, and L. Murphy. 2017. Improving predictions of tropical forest response to climate change through integration of field studies and ecosystem modeling. *Global Change Biology* 24(1). DOI: 10.1111/gcb.13863

Canham, C. D., and L. Murphy. 2017. The demography of tree species response to climate: Sapling and canopy tree survival. *Ecosphere* 8(2). DOI: 10.1002/ecs2.1701

Canham, C. D., and L. Murphy. 2016. The demography of tree species response to climate: Sapling and canopy tree growth. *Ecosphere* 7(10). DOI: 10.1002/ecs2.1474

Canham, C. D., and L. Murphy. 2016. The demography of tree species response to climate: Seedling recruitment and survival. *Ecosphere* 7(8). DOI: 10.1002/ecs2.1424

Forsyth, D. M., D. J. Wilson, T. A. Easdale, G. Kunstler, C. D. Canham, W. A. Ruscoe, E. F. Wright, L. Murphy, A. M. Gormley, A. Gaxiola, and D. A. Coomes. 2015. Century-scale effects of invasive deer and rodents on the dynamics of forests growing on soils of contrasting fertility. *Ecological Monographs* 85(2). DOI: 10.1890/14-0389.1

Canham, C. D., M. L. Pace, K. C. Weathers, E. W. McNeil, B. L. Bedford, L. Murphy, and S. Quinn. 2012. Nitrogen deposition and lake nitrogen concentrations: a regional analysis of terrestrial controls and aquatic linkages. *Ecosphere*, 3(7), art66. DOI: 10.1890/ES12-00090.1

Uriarte, M, C. D. Canham, J. Thompson, J. K. Zimmerman, L. Murphy, A. M. Sabat, N. Fletcher, and B. L. Haines. 2009. Natural disturbance and human land use as determinants of tropical forest dynamics: results from a forest simulator. *Ecological Monographs*, 79(3), 2009, pp. 423–443. DOI: 10.1890/08-0707.1