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Education

Duke University, Durham, NC.

Doctor of Philosophy in Biological Sciences, May 2005.

Certificate in Ecology (Minor focus in Statistics)

Mount Holyoke College, South Hadley, MA.

Bachelor of Arts in Biology, Magna Cum Laude, May 1997.

Positions

2009- Graduate Faculty in Ecology (Adjunct), Rutgers University, New Brunswick, NJ

2008- Assistant Scientist, Cary Institute of Ecosystem Studies, Millbrook, NY

2006- Research Associate, Smithsonian Migratory Bird Center, Washington, DC

Postdoctoral Fellowships

2005-2008 Smithsonian Postdoctoral Fellow, Smithsonian Migratory Bird Center, National Zoo, Washington, DC

2006-2008 NSF Program in Bioinformatics Postdoctoral Fellow, The Ohio State University, Department of Statistics, Columbus, OH

Publications

2010 McCarthy, H.R., Oren R., Johnsen, K.H., Finzi, A.C., Pritchard, S.G., Cook, C.W., Gallet-Budynek, A., LaDeau, S.L., and R.B. Jackson. Reassessment of plant carbon dynamics at the Duke Free Air CO₂ Enrichment site: Interactions of atmospheric [CO₂] with nitrogen and water availability and stand development. **New Phytologist** 185 (2): 514-528

Way D., LaDeau SL, McCarthy HR, Clark JS, Oren R, Finzi AC, and RB Jackson. Greater seed production in elevated CO₂ is not accompanied by reduced seed quality in *Pinus taeda*. **Global Change Biology**. 16(3): 1046-1056

2008 LaDeau, S.L., P.P. Marra, Kilpatrick, A.M, and C.A. Calder. West Nile virus revisited: Consequences for North American ecology. **BioScience**. 58(10): 937-946.

2007 LaDeau, S.L., Kilpatrick, A.M, and P.P. Marra. Continental declines in bird populations and the emergence of West Nile virus. **Nature** 447(7145): 710-714

Kilpatrick, A.M., LaDeau, and P.P. Marra. West Nile virus in the western hemisphere. **Auk** 124 (4): 1121-1136

- Clark, J.S., Wolosin, M., Dietze, M., Ibanez, I., LaDeau, S., Welsh, M., and B. Kloeppel. Tree growth inference and prediction from diameter censuses and ring widths. **Ecological Applications** 17 (7): 1942-1953
- Clark, J.S., Dietze, M., Chakraborty, S., Agarwal, P., Ibanez, I., LaDeau, S., and M. Wolosin. Resolving the biodiversity paradox: The dimensionality of coexistence. **Ecology Letters** 10 (8): 647-662
- Ibanez, I. Clark, J.S., LaDeau, S. and J. HilleRisLambers. Exploiting temporal variability to understand tree recruitment response to climate change. **Ecological Monographs** 77(2): 167-177
- 2006 LaDeau, S. L. and J. S. Clark. Annual pollen production in *Pinus taeda* grown under elevated CO₂. **Functional Ecology** T20 (3): 541-547
- LaDeau, S. L. and J. S. Clark. Elevated CO₂ and tree fecundity: the role of tree size, inter-annual variability and population heterogeneity. **Global Change Biology** 12: 822-833
- Ibáñez, I., J. S. Clark, M. C. Dietze, K. Feeley, M. Hersh, S. LaDeau, A. McBride, N. E. Welch, and M.S. Wolosin. Predicting biodiversity change: Outside the climate envelope, beyond the species-area curve. **Ecology**. 87 (8): 1896-1906
- Williams C.G., LaDeau S.L., Oren R., Katul G.G.. Modeling seed dispersal distances: implications for transgenic *Pinus taeda*. **Ecological Applications** 16 (1): 117-124.
- 2004 Clark, J.S, S LaDeau and I. Ibanez . Fecundity of Trees and the Colonization-Competition Hypothesis. **Ecological Monographs** 74 (3): 415-442
- 2001 LaDeau, S. L. and J. S. Clark. Rising CO₂ levels and the fecundity of forest trees. **Science** 292(5514): 95-98.
- 1999 LaDeau, S and A. Ellison. Seed Bank Composition of a Northeastern U.S. Tussock Swamp. **Wetlands** 19: 255-261

Book Chapters

- 2006 Clark, J.S. and S.L. LaDeau. Synthesizing ecological experiments and observational data with Hierarchical Bayes. In J.S. Clark and A. Gelfand (eds). Hierarchical Modeling for the Environmental Sciences. Oxford University Press, New York. pp 41-58.
- 2000 Clark, J.S., B. Beckage, J. HilleRisLambers, I. Ibanez, S. LaDeau, J. MacLachlan, J. Mohan, and M. Rocca. 2000. Dispersal and plant migration. In H. Mooney and J. Canadell (eds) *Encyclopedia of Global Environmental Change*, Vol 3, Invited Review.