CURRICULUM VITAE: JOHN DANIEL PARKER

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RESEARCH INTERESTS

Biological invasions; Biodiversity and ecosystem function; Global change and biotic interactions; Community ecology; Plant-herbivore interactions

PROFESSIONAL PREPARATION

University of Virginia, *Environmental Science*, *B.A.,* 1993
College of William and Mary/Virginia Institute of Marine Science, *Marine Science*, *M.S.,* 1998
Georgia Institute of Technology, *Biology*, *Ph.D.,* 2006
Cornell University, Postdoctoral Associate, 2006-2007

APPOINTMENTS

2007-present	*Ecologist, Senior Scientist*, Smithsonian Environmental Research Center
2009-present	*Adjunct Faculty*, Graduate Program in Behavior, Ecology, Evolution, and Systematics, University of Maryland College Park
2006-2007	*Postdoctoral Associate*, Dept. Ecology & Evolutionary Biology, Cornell University
2001-2005	*IGERT Fellow*, National Science Foundation IGERT Program in Aquatic Chemical Signaling, Georgia Institute of Technology
2000-2001	*Teaching Assistant*, Georgia Institute of Technology
1998-2000	*Biological Technician*, National Oceanic and Atmospheric Administration
1995-1998	*Research Assistant/Fellow*, College of William and Mary/Virginia Institute of Marine Science
1993-1995	*Environmental Scientist*, Apex Environmental, Inc.

PUBLICATIONS

Augusto, L., Borelle, R., Boča, A., Bon, L., Orazio, C., Arias-González, A., Bakker, M. R., Gartzia-Bengoetxea, N., Auge, H., Bernier, F., Cantero, A., Cavender-Bares, J., Correia, A. H., De Schrijver, A., Diez-Casero, J. J., Eisenhauer, N., Fotelli, M. N., Gâteblé, G., Godbold, D. L., … Charru, M. (2025). Widespread slow growth of acquisitive tree species. *Nature*, *640*(8058), 395–401. https://doi.org/10.1038/s41586-025-08692-x

Fahey, C., Choi, D., Wang, J., Domke, G. M., Edwards, J. D., Fei, S., Kivlin, S. N., LaRue, E. A., McCormick, M. K., McShea, W. J., Phillips, R. P., Pullen, J., & Parker, J. D. (2025). Canopy complexity drives positive effects of tree diversity on productivity in two tree diversity experiments. *Ecology*, *106*(1), e4500. https://doi.org/10.1002/ecy.4500

Bardou, R., Pullen, J., Cavanaugh, K. C., & Parker, J. D. (2024). Effects of cold water and aridity on Baja California mangrove survival and ecophysiological traits. *Journal of Ecology*, *n/a*(n/a). https://doi.org/10.1111/1365-2745.14264

Blondeel, H., Guillemot, J., Martin-StPaul, N., Druel, A., Bilodeau-Gauthier, S., Bauhus, J., Grossiord, C., Hector, A., Jactel, H., Jensen, J., Messier, C., Muys, B., Serrano-León, H., Auge, H., Barsoum, N., Birhane, E., Bruelheide, H., Cavender-Bares, J., Chu, C., … Baeten, L. (2024). Tree diversity reduces variability in

sapling survival under drought. *Journal of Ecology*, *112*(5), 1164–1180. https://doi.org/10.1111/1365-2745.14294

Depauw, L., De Lombaerde, E., Dhiedt, E., Blondeel, H., Abdala-Roberts, L., Auge, H., Barsoum, N., Bauhus, J., Chu, C., Damtew, A., Eisenhauer, N., Fagundes, M. V., Ganade, G., Gendreau-Berthiaume, B., Godbold, D., Gravel, D., Guillemot, J., Hajek, P., Hector, A., … Baeten, L. (2024). Enhancing Tree Performance Through Species Mixing: Review of a Quarter-Century of TreeDivNet Experiments Reveals Research Gaps and Practical Insights. *Current Forestry Reports*, *10*(1), 1–20. https://doi.org/10.1007/s40725-023-00208-y

Edwards, J. D., Love, S. J., Phillips, R. P., Fei, S., Domke, G., Parker, J. D., McCormick, M., LaRue, E. A., Schweitzer, J. A., Bailey, J. K., Fordyce, J., & Kivlin, S. N. (2024). Long- and short-term soil storage methods other than freezing can be useful for DNA-based microbial community analysis. *Soil Biology and Biochemistry*, *191*, 109329. https://doi.org/10.1016/j.soilbio.2024.109329

Luo, S., Schmid, B., Hector, A., Scherer-Lorenzen, M., Verheyen, K., Barsoum, N., Bauhus, J., Beyer, F., Bruelheide, H., Ferlian, O., Godbold, D., Hall, J. S., Hajek, P., Huang, Y., Hölscher, D., Kreft, H., Liu, X., Messier, C., Nock, C., … Eisenhauer, N. (2024). Mycorrhizal associations modify tree diversity−productivity relationships across experimental tree plantations. *New Phytologist*, *243*(3), 1205–1219. https://doi.org/10.1111/nph.19889

Short, A. W., Sebastian, J. S. V., Huang, J., Wang, G., Dassanayake, M., Finnegan, P. M., Parker, J. D., Cao, K.-F., & Wee, A. K. S. (2024). Comparative transcriptomics of the chilling stress response in two Asian mangrove species, Bruguiera gymnorhiza and Rhizophora apiculata. *Tree Physiology*, *44*(3), tpae019. https://doi.org/10.1093/treephys/tpae019

Vázquez-González, C., Castagneyrol, B., Muiruri, E. W., Barbaro, L., Abdala-Roberts, L., Barsoum, N., Fründ, J., Glynn, C., Jactel, H., McShea, W. J., Mereu, S., Mooney, K. A., Morillas, L., Nock, C. A., Paquette, A., Parker, J. D., Parker, W. C., Roales, J., Scherer-Lorenzen, M., … Koricheva, J. (2024). Tree diversity enhances predation by birds but not by arthropods across climate gradients. *Ecology Letters*, *27*(5), e14427. https://doi.org/10.1111/ele.14427

Zheng, L., Barry, K. E., Guerrero-Ramírez, N. R., Craven, D., Reich, P. B., Verheyen, K., Scherer-Lorenzen, M., Eisenhauer, N., Barsoum, N., Bauhus, J., Bruelheide, H., Cavender-Bares, J., Dolezal, J., Auge, H., Fagundes, M. V., Ferlian, O., Fiedler, S., Forrester, D. I., Ganade, G., … Hautier, Y. (2024). Effects of plant diversity on productivity strengthen over time due to trait-dependent shifts in species overyielding. *Nature Communications*, *15*(1), 2078. https://doi.org/10.1038/s41467-024-46355-z

Butz, E. M., Schmitt, L. M., Parker, J. D., & Burghardt, K. T. (2023). Positive tree diversity effects on arboreal spider abundance are tied to canopy cover in a forest experiment. *Ecology*, *104*(8), e4116. https://doi.org/10.1002/ecy.4116

King, R. A., Pullen, J., Cook-Patton, S. C., & Parker, J. D. (2023). Diversity stabilizes but does not increase sapling survival in a tree diversity experiment. *Restoration Ecology*, e13927.

Komatsu, K. J., Esch, N. L., Bloodworth, K. J., Burghardt, K. T., McGurrin, K., Pullen, J. D., & Parker, J. D. (2023). Rhizobial diversity impacts soybean resistance, but not tolerance, to herbivory during drought. *Basic and Applied Ecology*, *66*, 31–39.

Lang, A. K., LaRue, E. A., Kivlin, S. N., Edwards, J. D., Phillips, R. P., Gallion, J., Kong, N., Parker, J. D., McCormick, M. K., Domke, G., & Fei, S. (2023). Forest structural diversity is linked to soil microbial diversity. *Ecosphere*, *14*(11), e4702. https://doi.org/10.1002/ecs2.4702

Maynard, L. D., Ford, W. M., Parker, J. D., & Whitehead, S. R. (2023). Biotic and abiotic factors shaping bat activity in Maryland soybean fields. *Ecosphere*, *14*(7), e4575.

Parker, J. D. (2023). Periodical cicadas disrupt forest food webs. *Science*, *382*(6668), 268–268.

Woodworth, E., Tian, A., Blair, K., Pullen, J., Lefcheck, J. S., & Parker, J. D. (2023). Media myopia distorts public interest in US invasive plants. *Biological Invasions*, 1–13.

Forde, A. J., Feller, I. C., Parker, J. D., & Gruner, D. S. (2022). BOTTOM-U P CONTROL OF RED MANGROVES ON CARIBBEAN CAYS. *Bulletin of the Ecological Society of America*, *103*(4), 1–6.

Forde, A. J., Feller, I. C., Parker, J. D., & Gruner, D. S. (2022). Insectivorous birds reduce herbivory but do not increase mangrove growth across productivity zones. *Ecology*, *103*(10), e3768.

Messier, C., Bauhus, J., Sousa-Silva, R., Auge, H., Baeten, L., Barsoum, N., Bruelheide, H., Caldwell, B., Cavender-Bares, J., & Dhiedt, E. (2022). For the sake of resilience and multifunctionality, let's diversify planted forests! *Conservation Letters*, *15*(1), e12829.

Setälä, H., Szlavecz, K., Pullen, J. D., Parker, J. D., Huang, Y., & Chang, C. (2022). Acute resource pulses from periodical cicadas propagate to belowground food webs but do not affect tree performance. *Ecology*, *103*(10), e3773.

Bardou, R., Parker, J. D., Feller, I. C., & Cavanaugh, K. C. (2021). Variability in the fundamental versus realized niches of North American mangroves. *Journal of Biogeography*, *48*(1), 160–175.

Devaney, J. L., Pullen, J., Feller, I. C., & Parker, J. D. (2021). Low humidity and hypersalinity reduce cold tolerance in mangroves. *Estuarine, Coastal and Shelf Science*, *248*, 107015.

Forde, A., Feller, I., Parker, J., & Gruner, D. (2021). *Data from: Insectivorous birds reduce herbivory but do not increase mangrove growth across productivity zones*.

Sedio, B. E., Spasojevic, M. J., Myers, J. A., Wright, S. J., Person, M. D., Chandrasekaran, H., Dwenger, J. H., Prechi, M. L., Lopez, C. A., & Allen, D. N. (2021). Chemical similarity of co-occurring trees decreases with precipitation and temperature in North American forests. *Frontiers in Ecology and Evolution*, *9*, 679638.

Cook-Patton, S. C., Leavitt, S. M., Gibbs, D., Harris, N. L., Lister, K., Anderson-Teixeira, K. J., Briggs, R. D., Chazdon, R. L., Crowther, T. W., & Ellis, P. W. (2020). Mapping carbon accumulation potential from global natural forest regrowth. *Nature*, *585*(7826), 545–550.

Devaney, J. L., Pullen, J., Cook-Patton, S. C., Burghardt, K. T., & Parker, J. D. (2020). Tree diversity promotes growth of late successional species despite increasing deer damage in a restored forest. *Ecology*, *101*(8), e03063.

Hayes, M. A., Chapman, S., Jesse, A., O'Brien, E., Langley, J. A., Bardou, R., Devaney, J., Parker, J. D., & Cavanaugh, K. C. (2020). Foliar water uptake by coastal wetland plants: A novel water acquisition mechanism in arid and humid subtropical mangroves. *Journal of Ecology*, *108*(6), 2625–2637.

Parker, J. D., Devaney, J. L., & Lemoine, N. P. (2020). Biotic resistance to plant invasions. In *Plant invasions: The role of biotic interactions* (pp. 177–191). CABI Wallingford UK.

Sedio, B. E., Devaney, J. L., Pullen, J., Parker, G. G., Wright, S. J., & Parker, J. D. (2020). Chemical novelty facilitates herbivore resistance and biological invasions in some introduced plant species. *Ecology and Evolution*, *10*(16), 8770–8792.

Cavanaugh, K. C., Dangremond, E. M., Doughty, C. L., Williams, A. P., Parker, J. D., Hayes, M. A., Rodriguez, W., & Feller, I. C. (2019). Climate-driven regime shifts in a mangrove–salt marsh ecotone over the past 250 years. *Proceedings of the National Academy of Sciences*, *116*(43), 21602–21608.

Griffin, E. A., Harrison, J. G., McCormick, M. K., Burghardt, K. T., & Parker, J. D. (2019). Tree diversity reduces fungal endophyte richness and diversity in a large-scale temperate forest experiment. *Diversity*, *11*(12), 234.

Averill, K. M., Mortensen, D. A., Smithwick, E. A., Kalisz, S., McShea, W. J., Bourg, N. A., Parker, J. D., Royo, A. A., Abrams, M. D., & Apsley, D. K. (2018). A regional assessment of white-tailed deer effects on plant invasion. *AoB Plants*, *10*(1), plx047.

Cavanaugh, K. C., Osland, M. J., Bardou, R., Hinojosa-Arango, G., López-Vivas, J. M., Parker, J. D., & Rovai, A. S. (2018). Sensitivity of mangrove range limits to climate variability. *Global Ecology and Biogeography*, *27*(8), 925–935.

Grossman, J. J., Vanhellemont, M., Barsoum, N., Bauhus, J., Bruelheide, H., Castagneyrol, B., Cavender-Bares, J., Eisenhauer, N., Ferlian, O., & Gravel, D. (2018). Synthesis and future research directions linking tree diversity to growth, survival, and damage in a global network of tree diversity experiments. *Environmental and Experimental Botany*, *152*, 68–89.

Paquette, A., Hector, A., Castagneyrol, B., Vanhellemont, M., Koricheva, J., Scherer-Lorenzen, M., & Verheyen, K. (2018). A million and more trees for science. *Nature Ecology & Evolution*, *2*(5), 763–766.

Sedio, B. E., Parker, J. D., McMahon, S. M., & Wright, S. J. (2018). *Comparative foliar metabolomics of a tropical and a temperate forest community*.

Burkepile, D. E., & Parker, J. D. (2017). Recent advances in plant-herbivore interactions. *F1000Research*, *6*.

Devaney, J. L., Lehmann, M., Feller, I. C., & Parker, J. D. (2017). *Mangrove microclimates alter seedling dynamics at the range edge*.

Lemoine, N. P., Burkepile, D. E., & Parker, J. D. (2017). Insect herbivores increase mortality and reduce tree seedling growth of some species in temperate forest canopy gaps. *PeerJ*, *5*, e3102.

Lemoine, N. P., Doublet, D., Salminen, J., Burkepile, D. E., & Parker, J. D. (2017). Responses of plant phenology, growth, defense, and reproduction to interactive effects of warming and insect herbivory. *Ecology*, *98*(7), 1817–1828.

Lemoine, N. P., Burkepile, D. E., & Parker, J. D. (2016). Quantifying differences between native and introduced species. *Trends in Ecology & Evolution*, *31*(5), 372–381.

Verheyen, K., Vanhellemont, M., Auge, H., Baeten, L., Baraloto, C., Barsoum, N., Bilodeau-Gauthier, S., Bruelheide, H., Castagneyrol, B., & Godbold, D. (2016). Contributions of a global network of tree diversity experiments to sustainable forest plantations. *Ambio*, *45*, 29–41.

Cavanaugh, K. C., Parker, J. D., Cook-Patton, S. C., Feller, I. C., Williams, A. P., & Kellner, J. R. (2015). Integrating physiological threshold experiments with climate modeling to project mangrove species' range expansion. *Global Change Biology*, *21*(5), 1928–1938.

Cook-Patton, S. C., Lehmann, M., & Parker, J. D. (2015). Convergence of three mangrove species towards freeze-tolerant phenotypes at an expanding range edge. *Functional Ecology*, *29*(10), 1332–1340.

Lemoine, N. P., Capdevielle, J. N., & Parker, J. D. (2015). Effects of in situ climate warming on monarch caterpillar (Danaus plexippus) development. *PeerJ*, *3*, e1293.

Lemoine, N. P., Shue, J., Verrico, B., Erickson, D., Kress, W. J., & Parker, J. D. (2015). *Phylogenetic relatedness and leaf functional traits, not introduced status, influence community assembly*.

Pei, N., Erickson, D. L., Chen, B., Ge, X., Mi, X., Swenson, N. G., Zhang, J.-L., Jones, F. A., Huang, C.-L., & Ye, W. (2015). Closely-related taxa influence woody species discrimination via DNA barcoding: Evidence from global forest dynamics plots. *Scientific Reports*, *5*(1), 15127.

Cavanaugh, K. C., Kellner, J. R., Forde, A. J., Gruner, D. S., Parker, J. D., Rodriguez, W., & Feller, I. C. (2014). Poleward expansion of mangroves is a threshold response to decreased frequency of extreme cold events. *Proceedings of the National Academy of Sciences*, *111*(2), 723–727.

Cavanaugh, K. C., Kellner, J. R., Forde, A. J., Gruner, D. S., Parker, J. D., Rodriguez, W., & Feller, I. C. (2014). Reply to Giri and Long: Freeze-mediated expansion of mangroves does not depend on whether expansion is emergence or reemergence. *Proceedings of the National Academy of Sciences*, *111*(15), E1449–E1449.

Colautti, R., Parker, J. D., Cadotte, M. W., Pyšek, P., Brown, C. S., Sax, D., & Richardson, D. (2014). Quantifying the invasiveness of species. *NeoBiota*, *21*, 7.

Cook-Patton, S. C., LaForgia, M., & Parker, J. D. (2014). Positive interactions between herbivores and plant diversity shape forest regeneration. *Proceedings of the Royal Society B: Biological Sciences*, *281*(1783), 20140261.

Cook-Patton, S. C., Maynard, L., Lemoine, N. P., Shue, J., & Parker, J. D. (2014). Cascading effects of a highly specialized beech-aphid–fungus interaction on forest regeneration. *PeerJ*, *2*, e442.

Cook-Patton, S. C., Weller, D., Rick, T. C., & Parker, J. D. (2014). Ancient experiments: Forest biodiversity and soil nutrients enhanced by Native American middens. *Landscape Ecology*, *29*, 979–987.

DiTommaso, A., Morris, S. H., Parker, J. D., Cone, C. L., & Agrawal, A. A. (2014). Deer browsing delays succession by altering aboveground vegetation and belowground seed banks. *PLoS One*, *9*(3), e91155.

Erickson, D. L., Jones, F. A., Swenson, N. G., Pei, N., Bourg, N. A., Chen, W., Davies, S. J., Ge, X., Hao, Z., & Howe, R. W. (2014). Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: A mega-phylogeny approach. *Frontiers in Genetics*, *5*, 358.

Lemoine, N. P., Burkepile, D. E., & Parker, J. D. (2014). Variable effects of temperature on insect herbivory. *PeerJ*, *2*, e376.

Williams, A. A., Eastman, S. F., Eash-Loucks, W. E., Kimball, M. E., Lehmann, M. L., & Parker, J. D. (2014). Record northernmost endemic mangroves on the United States Atlantic Coast with a note on latitudinal migration. *Southeastern Naturalist*, *13*(1), 56–63.

Lemoine, N. P., Drews, W. A., Burkepile, D. E., & Parker, J. D. (2013). Increased temperature alters feeding behavior of a generalist herbivore. *Oikos*, *122*(12), 1669–1678.

Parker, J. D., Torchin, M. E., Hufbauer, R. A., Lemoine, N. P., Alba, C., Blumenthal, D. M., Bossdorf, O., Byers, J. E., Dunn, A. M., & Heckman, R. W. (2013). Do invasive species perform better in their new ranges? *Ecology*, *94*(5), 985–994.

Lind, E. M., Myron, E. P., Giaccai, J., & Parker, J. D. (2012). White-tailed deer alter specialist and generalist insect herbivory through plant traits. *Environmental Entomology*, *41*(6), 1409–1416.

Parker, J. D., Burkepile, D. E., Lajeunesse, M. J., & Lind, E. M. (2012). Phylogenetic isolation increases plant success despite increasing susceptibility to generalist herbivores. *Diversity and Distributions*, *18*(1), 1–9.

Parker, J., Salminen, J.-P., & Agrawal, A. A. (2012). Evolutionary potential of root chemical defense: Genetic correlations with shoot chemistry and plant growth. *Journal of Chemical Ecology*, *38*, 992–995.

Simberloff, D. and 141 S. (2011). Non-natives: 141 scientists object. *Nature*, *85*, 36.

Karonen, M., Parker, J., Agrawal, A., & Salminen, J. (2010). First evidence of hexameric and heptameric ellagitannins in plants detected by liquid chromatography/electrospray ionisation mass spectrometry. *Rapid Communications in Mass Spectrometry*, *24*(21), 3151–3156.

Lind, E. M., & Parker, J. D. (2010). Novel weapons testing: Are invasive plants more chemically defended than native plants? *PLoS One*, *5*(5), e10429.

Parker, J. D. (2010). Ecology for Martians, a review of “Laws, theories, and patterns in ecology.” *Quarterly Review of Biology*, *85*, 490–491.

Parker, J. D., Richie, L. J., Lind, E. M., & Maloney, K. O. (2010). Land use history alters the relationship between native and exotic plants: The rich don’t always get richer. *Biological Invasions*, *12*, 1557–1571.

Parker, J. D., Montoya, J. P., & Hay, M. E. (2008). A specialist detritivore links Spartina alterniflora to salt marsh food webs. *Marine Ecology Progress Series*, *364*, 87–95.

Parker, J. D., Burkepile, D. E., Collins, D. O., Kubanek, J., & Hay, M. E. (2007). Stream mosses as chemically-defended refugia for freshwater macroinvertebrates. *Oikos*, *116*(2), 302–312.
Parker, J. D., Caudill, C. C., & Hay, M. E. (2007). Beaver herbivory on aquatic plants. *Oecologia*, *151*, 616–625.
Burkepile, D. E., Parker, J. D., Woodson, C. B., Mills, H. J., Kubanek, J., Sobecky, P. A., & Hay, M. E. (2006). Chemically mediated competition between microbes and animals: Microbes as consumers in food webs. *Ecology*, *87*(11), 2821–2831.
Parker, J. D., Burkepile, D. E., & Hay, M. E. (2006). Opposing effects of native and exotic herbivores on plant invasions. *Science*, *311*(5766), 1459–1461.
Parker, J. D., Burkepile, D. E., & Hay, M. E. (2006). Response to Comment on" Opposing effects of native and exotic herbivores on plant invasions". *Science*, *313*(5785), 298–298.
Parker, J. D., Collins, D. O., Kubanek, J., Sullards, M. C., Bostwick, D., & Hay, M. E. (2006). Chemical defenses promote persistence of the aquatic plant Micranthemum umbrosum. *Journal of Chemical Ecology*, *32*, 815–833.
Parker, J. D., & Hay, M. E. (2005). Biotic resistance to plant invasions? Native herbivores prefer non-native plants. *Ecology Letters*, *8*(9), 959–967.
Hay, M. E., Parker, J. D., Burkepile, D. E., Caudill, C. C., Wilson, A. E., Hallinan, Z. P., & Chequer, A. D. (2004). Mutualisms and aquatic community structure: The enemy of my enemy is my friend. *Annu. Rev. Ecol. Evol. Syst.*, *35*, 175–197.
Duffy, J. E., Macdonald, K. S., Rhode, J. M., & Parker, J. D. (2001). Grazer diversity, functional redundancy, and productivity in seagrass beds: An experimental test. *Ecology*, *82*(9), 2417–2434.
Parker, J. D., Duffy, J. E., & Orth, R. J. (2001). Plant species diversity and composition: Experimental effects on marine epifaunal assemblages. *Marine Ecology Progress Series*, *224*, 55–67.

GRANTS/AWARDS

Submitted: 84 grant applications totaling $31.3m
Awarded: 39 totaling $8.6m

2022 Smithsonian Institution: Mapping and monitoring of microclimates with dense sensor arrays ($60,652, co-PI)
2022 NSF-REU Teacher's Supplement: Global Change Ecology at the Smithsonian Environmental Research Center ($20,860, co-PI)
2022 NSF-REU Teacher's Supplement: Global Change Ecology at the Smithsonian Environmental Research Center ($21,420, co-PI)
2022 NSF-REU Site: Global Change Ecology at the Smithsonian Environmental Research Center ($356,881, co-PI)
2021 NSF-REU Teacher's Supplement: Global Change Ecology at the Smithsonian Environmental Research Center ($20,188, co-PI)
2021 NSF-REU Supplement: Global Change Ecology at the Smithsonian Environmental Research Center ($6,000, co-PI)
2020 Smithsonian Institution Secretary's Research Prize: Climate-driven regime shifts in a mangrove-salt marsh ecotone over the past 250 years ($2000)
2020 NSF Macrosystems: Collaborative Research: Elucidating plant and mycorrhizal fungal relationships and consequences across space and time ($1,211,964, co-PI)
2020 NSF Population and Community Ecology: Collaborative Research: Microbiome mediation of multi-trophic diversity and interactions in a tree diversity experiment ($974,607, co-PI)

2020 Washington Biologists Field Club: Investigating differences in soil carbon storage and stabilization by mycorrhizal type and tree diversity ($3,838, co-PI)
2019 NSF-REU Site: Global Change Ecology at the Smithsonian Environmental Research Center ($364,103, co-PI)
2018 USDA-NIFA: Safeguarding soybeans against climate change: Identifying the role of rhizobial diversity in moderating drought and herbivore stress ($499,958, co-PI)
2016 NSF-REU Site: Global Change Ecology at the Smithsonian Environmental Research Center ($307,507, PI)
2016 John and Ann Ryan: Building a Belowground Sensor Network for BiodiversiTREE ($353,400, PI)
2016 Washington Biologists Field Club: The little things that run the world: How plant identity, diversity, and traits structure microbial endophyte communities ($2,000, co-PI)
2014 Smithsonian Institution: The chemical composition of forest tree communities, Level 2 Grand Challenge Grant ($100,000, co-PI)
2013 Smithsonian Institution: The chemical composition of forest tree communities, Level 1 Grand Challenge Grant ($20,000, co-PI)
2013 Smithsonian Institution: BiodiversiTREE @ the Smithsonian, Level 2 Grand Challenge Grant Supplement ($16,000, PI)
2013 Smithsonian Institution: BiodiversiTREE @ the Smithsonian, Level 2 Grand Challenge Grant ($100,000, PI)
2013 Washington Biologists Field Club: Cascading effects of beech blight aphids on forest seedling communities ($1,652, co-PI)
2012 NSF REU Supplement: Mangroves and coastal ecosystems ($16,000, PI)
2012 Georgetown University: Testing for ecological impacts on intraspecific variation in tulip poplar in a forest regeneration experiment ($15,000, co-PI)
2012 USDA: Measuring and modeling the impacts of tribal and conventional forestry strategies in the face of global change ($200,000, co-PI)
2012 Smithsonian Institution: BiodiversiTREE @ the Smithsonian, Level 1 Grand Challenge Grant ($20,000, PI)
2011 Smithsonian Institution: IndiGEO: Long-term monitoring of cultural and biological diversity on tribal lands, Level 1 Grand Challenge Grant ($19,621, co-PI)
2011 NSF REU Site: Global Change Ecology at the Smithsonian Environmental Research Center ($519,735, PI)
2010 NSF Macrosystems: Collaborative Research: Multi-scale drivers and effects of biotic change in the global mangrove-salt marsh ecotone ($1,364,286, co-PI)
2010 NASA BioClim: Sensitivity of Coastal Ecosystems to Climate Change ($1,232,213, co-PI)
2009 Smithsonian Tropical Research Institute, Center for Tropical Forest Science: Impacts of alien plant invasions and overabundant deer on forest regeneration and community dynamics in a temperate deciduous forest ($17,250, PI)
2009 NSF REU Site: Research Experiences for Undergraduates ($268,650, PI)
2008 Smithsonian Institution: Do vertebrate consumers (birds, bats, and lizards) limit arthropods and herbivory in mangrove forests? ($30,700, PI)
2008 Smithsonian Institution: Will toxic exotic-plant invasions lead to food-web collapse? ($10,000, PI)
2008 Earthwatch Institute: Separate and interactive effects of invasive plants and deer on forest health ($18,022, PI)
2005 Georgia Institute of Technology Mini-grant ($1000, PI)
2004 Mid-South Aquatic Plant Management Society Scholarship ($1600, PI)
2004 Georgia Institute of Technology Mini-grant ($1000, PI)
2003 National Park Service: An Inventory of Aquatic Plants in the Chattahoochee River National Recreation Area, Georgia, USA ($10,000, PI)
2001-05 National Science Foundation, Integrative Graduate Education and Research Traineeship (IGERT) ($69,000)
2000-04 Harry and Linda Teasley Fellowship in Chemical Ecology, Georgia Institute of Technology ($45,000)
1997 Research Mini-grant ($400, PI), Virginia Institute of Marine Science

1996-98 Fellowship for Academic Excellence, College of William and Mary/Virginia Institute of Marine Science ($25,000)
1993 Dean's List, University of Virginia

SYNERGISTIC ACTIVITIES

1. Knowledge Transfer: member of "TreeDivNet", an international consortium of tree diversity experiments emphasizing the transfer of scientific knowledge about the effects of tree diversity on ecosystem function to the management community.

2. Outreach Activities: I have mentored 300+ Citizen Scientists working on various environmental monitoring projects and experiments at the Smithsonian Environmental Research Center.

3. Service to the Scientific Community:
    a. Associate Editor for Invasion Biology (2016-2025); Subject Editor for Oikos (2018-present). Overall I have reviewed ~200 manuscripts (for 39 different journals including Science, Nature, PNAS, etc), 85 proposals, 2 job promotion packages, and 1 book.
    b. Symposium and Meeting Organizer: 2013 Coastal and Estuarine Research Federation: "Mangrove expansion into salt marsh habitats: Causes and consequences"; 2007 Ecological Society of America Symposium: "The Yin and Yang of ecology: understanding the combined influences of positive and negative interactions for the function and restoration of ecological communities"; 2004 Inaugural Southeastern Ecology & Evolution Conference.

INVITED SEMINARS, PRESENTATIONS, & WORKSHOPS

2025 Seminar: Marquette University
2024 Seminar: Chesapeake Resource Consortium
2023 Seminar: Smithsonian Environmental Research Center
2022 Workshop: Chesapeake Bay Alliance Riparian Forest Buffer Networking Summit (keynote speaker)
2021 Seminar: University of Alabama (virtual)
2021 Conference: Smithsonian Conservation Commons (virtual)
2021 Award Ceremony: Smithsonian Secretary's Research Prizes
2021 Workshop: TreeDivNet (virtual)
2021 Workshop: American Chestnut Land Trust, Maryland
2020 Workshop: American Chestnut Land Trust, Maryland
2019 Workshop: TreeDivNet, Montreal, Canada
2019 Workshop: CIFOR/NASA mangrove meeting, Washington DC
2017 Workshop: TreeDivNet, Bordeaux, France
2017 Seminar: George Washington University Earth Day Summit conference
2017 Conference: Smithsonian Earth Optimism Summit, Washington DC
2017 Conference: NASA BIOCLIM PI meeting, Washington DC
2016 Conference: Mangroves & Macrobenthos Meeting (MMM4), St. Augustine, FL
2016 Seminar: Smithsonian Environmental Research Center, Evening Lecture Series
2016 Workshop: TreeDivNet, Uppsala, Sweden
2016 Seminar: Penn State University (by invitation of graduate students in Department of Ecosystem Science and Management curriculum as part of their "Novel Ecosystems" seminar series)
2015 Conference: "Ignite" talk, Coastal and Estuarine Research Federation, Portland, OR
2015 Conference: Coastal and Estuarine Research Federation, Portland, OR
2015 Workshop: Virginia Working Landscapes, Front Royal, VA
2015 Workshop: Federal Agency Networking Session, Ecological Society of America Meeting, Baltimore, MD
2015 Workshop, WildTeam, Dhaka, Bangladesh
2015 Workshop, Khulna University, Khulna, Bangladesh
2015 Workshop, Forest Service, Khulna, Bangladesh

2015 Workshop, Dhaka University, Dhaka, Bangladesh
2015 Conference: Guana Tolomato Matanzas Research Reserve, St. Augustine, FL
2014 Conference: Natural Areas Conference, Dayton, OH
2014 Workshop: sDiv, "Using Tree Diversity as an Insurance for the Stable Functioning of Forest Ecosystems", iDiv, Leipzig, Germany
2014 Seminar: Florida International University-Modesto A. Maidique Campus (by invitation of graduate students in Biology curriculum)
2014 Seminar: Florida International University-Biscayne Bay Campus (by invitation of graduate students in Biology curriculum)
2014 Seminar: University of North Carolina Chapel Hill (by invitation of graduate students in Ecology curriculum)
2013 Conference: Smithsonian Institution (Grand Challenge Award Recipients)
2013 Seminar: Secretary of Smithsonian and SERC PI's
2013 Conference: Coastal and Estuarine Research Federation, San Diego, CA
2013 Conference: Ecological Society of America, Minneapolis, MN
2012 Seminar: Smithsonian Environmental Research Center, Evening Lecture Series
2012 Seminar: Smithsonian Environmental Research Center (Marine Invasions Workshop)
2012 Conference: NASA BIOCLIM PI meeting, Seattle, WA
2012 Seminar: Smithsonian Marine Science Station, Fort Pierce, FL
2012 Conference & Workshop: Global Invasive Species Research Coordination Network, Spain
2011 Seminar: Earthwatch, Inc. Board of Advisors, Boston, MS
2011 Conference & Workshop: HSBC Climate Partnership Research Meeting, Smithsonian Tropical Research Institute, Panama
2011 Seminar: Smithsonian Environmental Research Center (visiting group from 4th National Conference on Ecological Restoration)
2011 Conference: Ecological Society of America, Austin, TX
2010 Conference & Workshop: Global Invasive Species Research Coordination Network, Panama
2010 Conference & Workshop: Taking Stock: HSBC Climate Partnership Research Meeting, Smithsonian Tropical Research Institute, Panama
2010 Two workshops: SERC/Georgetown University Collaborative Meetings
2009 Seminar: Georgetown University
2009 Seminar: University of Maryland, Maryland
2009 Conference: Ecological Society of America, Albuquerque, NM
2009 Conference & Workshop: Ecological Society of America – Are invasive species different? Albuquerque, NM
2008 Seminar: Smithsonian Environmental Research Center, Evening Lecture Series
2008 Seminar: George Washington University, Washington DC
2008 Seminar: National Museum of Natural History, Washington DC
2008 Seminar: Smithsonian Tropical Research Institute, Panama
2008 Seminar: Barro Colorado Island, Panama
2008 Seminar: Umeå University, Umeå, Sweden
2008 Workshop: National Ecological Observatory Network (NEON) Meeting, Front Royal, VA
2008 Workshop: Marine Science Network (MSN): Latitudinal gradients of invasive species in marine and terrestrial systems, Edgewater, MD
2008 Workshop: Global Invasive Species Research Coordination Network, Prague, Czech Republic
2007 Conference: Ecological Society of America Symposium - Beyond single mechanisms: the relative and interactive importance of bottom-up and top-down processes in plant invasion, San Jose, CA
2007 Seminar: Smithsonian Environmental Research Center
2007 Seminar: University of California Irvine
2007 Workshop: Smithsonian Institution Global Earth Observatory (SIGEO): Monitoring vertebrate-ecosystem interactions, Front Royal, VA
2006 Conference & Workshop: Cornell University Invasive Species Symposium
2006 Seminar: Cornell University
2006 Seminar: Smithsonian Environmental Research Center
2006 Seminar: Texas Tech University
2006 Seminar: University of Rhode Island

2005 Conference: Ecological Society of America, Montréal, Canada
2005 Conference: Georgia Institute of Technology Biology Symposium
2004 Conference: Ecological Society of America, Portland, Oregon
2004 Seminar: Yale University
2004 Conference: Georgia Institute of Technology Biology Symposium
2004 Conference: 23rd Mid-South Aquatic Plant Management Society Meeting, Mobile, AL
2004 Conference: Southeastern Ecology and Evolution Conference, Atlanta, GA
2003 Conference: Georgia Institute of Technology Biology Symposium
2002 Conference: 7th International Conference on the Ecology and Management of Alien Plant Invasions
2002 Conference: Marine Benthic Ecology Meeting, Orlando, FL
2002 Conference: Georgia Institute of Technology Biology Symposium
2001 Conference: Georgia Institute of Technology Biology Symposium
1999 Seminar: NOAA National Ocean Service, Beaufort, NC
1998 Seminar: College of William and Mary/Virginia Institute of Marine Science (1998)
1998 Conference: Marine Benthic Ecology Meeting, Melbourne, FL

HOME INSTITUTION SERVICE

2022-present Lead for SERC Greenhouse and Experimental Gardens
2019-present Chair, SERC Science Committee
2019-present co-PI, NSF REU program at SERC
2021 Committee member, SERC Biogeochemical Ecologist job search
2016 Committee member, SERC Conservation Ecologist job search
2012-present Lead PI, BiodiversiTREE (large-scale, long-term tree diversity-ecosystem function experiment)
2011-2015 co-PI, IndiGEO (initiative to form collaborations between western science and practitioners of traditional ecological knowledge)
2009-2019 Lead PI, NSF REU program at SERC
2008-present Fellowship Review Committee: Smithsonian Institution
2008-present Web Committee: Smithsonian Environmental Research Center
2008-present Land Use Committee: Smithsonian Environmental Research Center
2007-present Institutional Animal Care and Use Committee: Smithsonian Environmental Research Center
2005 Chair: IGERT Seminar Series in Chemical Ecology, Georgia Institute of Technology
2004 Student representative: job search committee, Georgia Institute of Technology School of Biology

SCIENCE COMMUNITY SERVICE

2022-present SERC Representative: Association of Ecosystem Research Centers
2019-present Science Committee Member, American Chestnut Land Trust
2013 Symposium co-organizer and session moderator: *Coastal and Estuarine Research Federation Meeting,* San Diego, CA
2008 Dissertation opponent: Johan Stenberg, Umeå University, Umeå, Sweden
2007 Symposium co-organizer: *Ecological Society of America Meeting*, San Jose, CA
2007 Session moderator: *Ecological Society of America Meeting*, San Jose, CA
2004 Conference co-organizer: *Inaugural Southeastern Ecology & Evolution Conference*, Atlanta, GA
2004 Session moderator: *Southeastern Ecology & Evolution Conference*, Atlanta, GA
2002 Session moderator: *Marine Benthic Ecology Meeting,* Orlando, FL

PUBLIC OUTREACH

All years SERC Open House (excluding Covid years)
2022 Hosted Va Tech graduate students in plant sciences
2022 Smithsonian Channel tour of BiodiversiTREE
2022 Hosted Duke University graduate students for tour of BiodiversiTREE

2022	Hosted SERC Geochemical and Landscape Ecology PI candidates for tours of BiodiversiTREE
2020	Presentation on BiodiversiTREE: Environmental Quality Resources, Inc.
2019	Presentations on BiodiversiTREE: Dr. David Gens (SERC donor), Charles County Environmental Programs, Anne Arundel County Executive/Earth Day
2018	Presentations on BiodiversiTREE: James Smithson Society, SERC Advisory Board
2017	Presentations on BiodiversiTREE: Anne Arundel Community College science majors, American Chestnut Land Trust, U.S. Regional Association of the International Association for Landscape Ecology, Chesapeake Forests/Alliance for the Chesapeake Bay, Ecotone, Inc., Smithsonian Secretary David Skorton, SI Journeys
2017	Mangrove research at SERC: Saudi-Aramco, Inc.
2016	Presentations on BiodiversiTREE: SERC Advisory Board, SERC Evening Lecture Series, SI Regents & US Congressional Staff, SI National Board
2015	Presentations on BiodiversiTREE: Sustainable Planting EcoE-Design, Inc., SERC donor board
2014	Presentation on BiodiversiTREE for Anne Arundel County Lions Club
2013	Various media interviews for BiodiversiTREE project, including National Public Radio, Voice of America, Chesapeake Quarterly, Smithsonian Institution, etc.
2013	Mentored over 130 Citizen Scientists for planting of BiodiversiTREE, including numerous research presentations
2012	Evening Lecture on Deer-Plant Interactions, Smithsonian Environmental Research Center
2012	Presentations for Smithsonian “Ecosystems on the Edge” educational film series
2011	Hosted tribal leaders from Menominee Nation as part of IndiGEO project (several visits)
2011	Research overview for Austrian invasion biologists
2011	Hosted scientists from Jug Bay Wildlife Refuge
2011	Hosted several K-12 students as part of invasive species outreach
2011	Research overview for Anne Arundel County Economic Council
2011	Tour for SERC Board of Advisors
2011	Two separate tours of Tudor Farm with SERC board member
2011	Television interview for Key High School seniors about “Being a Scientist”
2011	Conducted six 30-minute lectures and fossil demonstrations for local elementary school
2010	Visited College of Menominee and Menominee Nation in Wisconsin as part of IndiGEO project (numerous visits)
2009-11	Mentored over 200 Citizen Scientists from Earthwatch Institute/HSBC, Inc., including numerous research presentations
2008-present	Multiple presentations at Annual SERC Open House
2009	Tour and research overview for Russian scientists
2009	Evening Lecture on Cascading Trophic Degradation, Smithsonian Environmental Research Center
2009	Tour for University of Virginia undergraduates (25 students)
2009	Tour for SERC Board of Visitors
2009	Research Expedition for Earthwatch International Board of Visitors
2008	Evening Lecture on Invasive Species, Smithsonian Environmental Research Center
2008	Tour for Thomas Jefferson High School Science and Technology (16 students)
2007	Tour for Thomas Jefferson High School Science and Technology (15 students)
2007	Lecture for SERC docents

TRAINING AND MENTORING

Name	Role	Year	Highest Degree Obtained	Where they are now

Emily Myron	Intern	2008	2012, MEM, Environmental Management, Duke University	Policy Manager, The Nature Conservancy, Massachusetts Chapter, Boston, MA
Lauren Richie	Intern	2008	2012, MS Environmental Management, Yale University	Software Engineer and Environmental Consultant, Databricks, San Francisco, CA
Christian Latimer	Intern	2008	2014 DVM, Western University of Health Sciences	Doctor of Veterinary Medicine, Veterinary Referral Hospital, Hickory, NC
Marcelle Muñiz	Intern	2009	2012 MS, Marine Biodiversity and Conservation, Ghent University	Doctoral Student, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia
Christine Cochran	Intern	2009	2013 BS, Wildlife Conservation & Outdoor Leadership, Warren Wilson College	Education Specialist & Ambassador Animal Coordinator, Western North Carolina Nature Center, Asheville, NC
Damon Yeh	Intern	2009	2014 MS, Conservation Leadership, Colorado State University	Conservation Biologist, US Fish and Wildlife Service, La Jolla, CA
Graham Sivak	Intern	2010	2013 BS, Wildlife Conservation & Outdoor Leadership, Warren Wilson College	Biological Technician, US Forest Service
Daniel Weller	Intern	2010	2017 PhD, Food Science and Technology, Cornell University	Postdoctoral Fellow, Biostatistics and Computational Biology, University of Rochester Medical Center, Rochester, NY
Alex Forde	Graduate student	2010	2021 MS, Entomology, University of Maryland	Doctoral student, Behavior, Ecology, Evolution, and Systematics at University of Maryland, College Park, MD
Chelsea McGlynn	Intern	2011	2011 BA, St Mary's College of Maryland	Research Technician, Leidos Biomedical Research, Frederick National Laboratory for Cancer Research, Ft Detrick, MD
Jeffrey Miguel	Intern	2011	2015 MA, Jazz Studies, University of Iowa	Professional Saxophonist
Kiel Edson	Intern	2011	2016 MS, Conservation Biology and Sustainable Development, University of Maryland	Monitoring and Evaluation Project Manager, Monterey Bay Aquarium, Monterey Bay, CA
Marina LaForgia	Intern	2011	2020 PhD, Plant Ecology, UC Davis	Postdoc, Dept of Environmental Science and Policy, UC Davis

Nancy Shipley	Intern	2012	2014 BA, Nova Southeastern University	Chief Adventure Organizer, What's Next Adventures, Bahamas
Brittany Verrico	Intern	2012	2015 BS, Washington and Jefferson College	Doctoral Student, Ecological Genomics, University of Vermont
Willem Drews	Intern	2012	2016 MS, Applied Ecology, Indiana University	Natural Resources Specialist, Knox County Soil and Water Conservation District, Vincennes, Indiana
Jake Bodart	Intern	2012	2018 MS, Entomology, University of Arkansas	Manager of Insect Pest Prevention and Management, Plant Programs, Oregon Dept of Agriculture
Dorothy Borowy	Intern	2012	2019, PhD, Plant Ecology, UMBC	Ecologist, Regional IPM Coordinator, National Park Service
Caitlyn Cecil	Intern	2013	2014 BA, Agriculture, University of Maryland Eastern Shore	CEO/Founder/Owner Mandala Pies LLC
Emily DuBois	Intern	2013	2014 BA, Environmental Sciences, Northwestern University	Software Engineer, Upstream Tech, Olympia, Washington
Lauren Maynard	Intern	2013	2015 BS, Fisheries, Wildlife and Conservation Biology, NC State University	Doctoral Student, Virginia Tech (NSF Graduate Research Fellow)
Micah Miles	Intern	2013	2021 PhD, Integrative Conservation, University of Georgia	Riparian Buffer Outreach Specialist, Maryland Forestry Service
Jillian Capdevielle	Intern	2014	2015 BS, UC Berkeley	Algebra 1 and 2 tutor, Berkeley, CA
Megan Palmer	Intern	2014	2017 MA, Secondary Education and Teaching, University of Michigan	Science Educator, Northville Public Schools
Dejeanne Doublet	Intern	2014	2020 MS, Wildlife Biology, New Mexico State University	Resarch Assistant, US Fish and Wildlife Service, Las Cruces, New Mexico
Mariana Abarca	Graduate student	2015	2016 PhD, Biology, George WashingtonUniversity	Assistant Professor, Smith College
Free Kashon	Intern	2015	2017 BA, Biology, Wabash Colllege	Master's Student, Arkansas Tech University
Lisa Koetke	Intern	2015	2019 MS, Biology, Texas State University, Texas	Doctoral Student, Dept of Natural Resources and Environmental Studies, University of Northern British Columbia, Canada

Monica Knaack	Intern	2016	2017 BA, Biology, Grinnell College	Medical Student, University of Iowa
Anna Nordseth	Intern	2016	2017 BS, Biology, James Madison University	Doctoral Student, Duke University
Cole Caceres	Intern	2016	2017 BS, Environmental Science and Management, UC Davis	Zero Waste Outreach Specialist, Castro Valley Sanitary District, California
Andi Galvin-Manico	Intern	2017	2020 BS, Environmental Science, University of Maryland	Environmental GIS Intern, Brightwater Inc and Tetra Tech
Tatiana Eaves	Intern	2017	2020 MS, Environmental Science and Policy, Johns Hopkins University	Environmental Associate, The Clark Law Group LLC
Anna Lienesch	Technician	2018	2016 BS, Marine Sciences, Eckerd College	Oceanography Faculty Specialist, NOAA/University of Maryland
Andres Santana	Intern	2018	2018 BS, Ecology, University of Georgia	Environmental Specialist, Watershed Protection Branch, Environmental Protection Division, Atlanta, GA
Zoe Read	Intern	2019	2020 BS, Biology, University of Maryland	Master's of Science Student, School of Forest Resources, University of Maine
Kaleigh Blair	Intern	2019	2020 MA, Applied Anthropology, University of Maryland	Writer/Project Coordinator, Development Office, College of Arts and Humanities, University of Maryland
Chaz Rhodes	Intern	2019	student, Wabash College	student, Wabash College
Sam Newkirk	Intern	2020	2019 BS, Environmental Biology, University of Dayton	Nursery Sales and Arborist Assistant, The Siebenthaler Company
Elena Woodworth	Intern	2020	student, Chatham College	student, Chatham College
Amy Tian	Intern	2020	student, University of Chicago	student, University of Chicago
Lauren Maynard	Graduate student	2021	2015 BS, NC State University	Graduate Student, Virginia Tech
Ashia T. Lewis	Intern	2021	2021 MS, University of Alabama	AI Research Associate, Fermilab
Kennedy Hill	Intern	2021	B.S., Swarthmore College	
Mechelle Jiang	Intern	2021	B.S., Wake Forest University	
Cait Barnes	Graduate student	2022	2019 BS, Belmont University	Graduate Student, University of Tennessee
Dylan Valet	Intern	2022	Brown University	student, Brown University
Mia Gaughan	Intern	2022	Vassar College	student, Vassar College

Shelley Bennett	Technician	2022	2016, MS University of San Francisco	Biological Technician, SERC Spatial Ecology lab
Sarah Alley	Technician	2022	2019 BS, University of Maryland, Baltimore County	Biological Technician, SERC Terrestrial Ecology Lab
Hazel Jordan	Intern	2023	student, Earlham College	student, Earlham College
Matt Lepper	Intern	2023	student, Wabash College	student, Wabash College
Sarah van Dusseldorp	Intern	2023	M.S., Utrecht University	student, Utrecht University
Eric Lind	Postdoctoral Fellow	2008-2010	2008 PhD, Behavior, Ecology, Evolution, and Systematics, University of Maryland	Manager, Research and Analytics, Minneapolis Metro Transit, Minnesota
Jessica Shue	Technician	2011-2013	2010 BS, Forest Management, Penn State University	Technician for ForestGEO at SERC
Mike Lehmann	Technician	2012-2014	2009 MS, Marine Sciences, Nova Southeastern University	Wetland Biologist, Wood Environmental Consulting, and Owner/Operator, Lehmann's Landing Restaurant, Bridgeton, Mo
Nate Lemoine	Graduate student	2012-2015	2015 PhD, Ecology, Florida International University	Assistant Professor, Marquette University, Milwaukee, WI
Susan Cook-Patton	Postdoctoral Fellow	2013-2015	2012 PhD, Ecology, Evolution, and Biology, Cornell University	Senior Forest Restoration Scientist, Natural Climate Solutions Science Team, The Nature Conservancy, Washington DC
John Devaney	Postdoctoral Fellow	2015-2018	2012 PhD, Forest Ecology, University College Cork	Lecturer in Plant Biology, Maynooth University, Dublin, Ireland
Jamie Pullen	Technician	2015-present	2014 MS, Biology, JMU	Technician for Community Ecology Lab at SERC
Karin Burghardt	Postdoctoral Fellow	2016-2018	2016 PhD, School of the Environment, Yale University	Assistant Professor, University of Maryland College Park, MD
Eric Griffin	Postdoctoral Fellow	2016-2018	2016 PhD., Ecology and Evolutionary Biology, University of Pittsburgh	Assistant Professor, New Mexico Highlands University, Las Vegas, NM
Remi Bardou	Graduate Student	2016-2020	2021 PhD, Geography, UCLA	Postdoctoral Researcher, Northeastern University
Roy Rich	Research Scientist	2018-2019	2005 PhD, Forest Ecology, University of Minnesota	Research Scientist, SERC

Max Ferlauto	Graduate student	2020-2023	2019 BS, Juniata College	Graduate Student, University of Maryland
Rachel King	Postdoctoral Fellow	2020-present	2020 PhD, Ecology and Evolution, University of Minnesota	Postdoctoral Fellow, SERC
Grace Schilling	Intern	2021-2023	2022 BS, Loyola University	Biological Technician, SERC Terrestrial Ecology Lab
Jacob Rosado	Intern	2023	2022, Dayton University	intern, SERC
Braxton Jeffcoat	Intern	2024	2022, Rhodes College	Intern, SERC
Catherine Fahey	Postdoctoral Associate	2023	2010, Cornell University	Postdoctoral Associate, SERC
Matt Lepper	Intern	2024	student, Wabash College	student, Wabash College

Interns trained prior to Smithsonian appointment

2007 Alex Smith, Cornell University
2006 Brandon White, Cornell University
2004 Lauren Stefaniak, Georgia Institute of Technology
2003 Lauren Bronikowski, Georgia Institute of Technology
2002 Taylor Bronikowski, Georgia Institute of Technology
2001 Elizabeth Bosak, Penn State University
2000 Erica Kinard, Georgia Institute of Technology

Teaching Assistantships and Classroom Lectures

2010 Lectures (2): Invasion Biology, University of Maryland (graduates)
2005 Lecture: Chemical Ecology, Georgia Institute of Technology (graduates)
2004 Lecture: Aquatic Ecology, Georgia Institute of Technology (graduates)
2001-02 Teaching Assistant: Organismal Biology, Georgia Institute of Technology (undergraduates)

Graduate Advisors: J. Emmett Duffy & Robert J. Orth (College of William and Mary/Virginia Institute of Marine Science), Mark E. Hay (Georgia Institute of Technology)
Postdoctoral Advisor: Anurag Agrawal (Cornell University)
Graduate Student Committees/Defense Opponent: Johan Stenberg (Umeå Universitet), Remi Bardou (UCLA), Alex Forde (University Maryland), Clare Fieseler (University of North Carolina Chapel Hill), Ricardo Gutierrez (Georgetown University), Nathan Lemoine (Florida International University), Amy Norris (University of Maryland), Elske Tielens (University of Maryland), Max Ferlauto (University of Maryland), Cait Barnes (University of Tennessee), Elizabeth Butz (University of Maryland)
Undergraduate Thesis Advisees: Nicole Rieger-Erwin (University of Maryland)