

Nathan Garrick Swenson

Department of Biology
University of Maryland
4207 Biology-Psychology Building
College Park, Maryland 20742
U.S.A.

Email: swenson@umd.edu
Website: www.swensonlab.com

Education & Training

B.A. 2001. Biology. St. Olaf College, Northfield, Minnesota, U.S.A.

M.Sc. 2004. Biology. New Mexico State University, Las Cruces, New Mexico, U.S.A.
Thesis: *The Geography and Physiology of Hybridization, Hybrid Zones, and Species Range Boundaries*.
Committee: Daniel Howard (Chair), Craig Benkman, Jeanne Fair and Vince Gutschick

Ph.D. 2008. Ecology and Evolutionary Biology (Minor in Global Change). University of Arizona, Tucson, Arizona, U.S.A.
Dissertation: *The Influence of Phylogenetic and Functional Similarity on Species Coexistence Through Space and Time*.
Committee: Brian Enquist (Chair), David Breshears, Travis Huxman, Michael Sanderson and Larry Venable

NSF Postdoctoral Fellow in Bioinformatics. 2008-2009. Center for Tropical Forest Science, Arnold Arboretum, Harvard University, Cambridge, Massachusetts, U.S.A.
Advisor: Stuart J. Davies

Academic & Research Positions

Professor, 2018 - Present, Department of Biology, University of Maryland.

Associate Professor, 2015 - 2018, Department of Biology, University of Maryland.

Associate Professor (with tenure), 2014 - 2015, Department of Plant Biology, Michigan State University.

Assistant Professor, 2009 - 2014, Department of Plant Biology, Michigan State University.

Adjunct Professor, 2012 - Present, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Science, Kunming, China.

NSF Post-Doctoral Fellow in Bioinformatics, 2008-2009, Center for Tropical Forest Science – Asia Program, Arnold Arboretum, Harvard University.

Guest Faculty, 2008, Tropical Plant Systematics Course, Palo Verde and La Selva Biological

Research Stations, Organization for Tropical Studies, Duke University and Universidad de Costa Rica.

Graduate Teaching Associate, 2004-2008, Ecology and Evolutionary Biology Department, University of Arizona.

Graduate Research Fellow, 2006, Geographic Analysis and Monitoring Program, United States Geological Survey.

Research Associate, 2004, Laboratory for Ecological and Evolutionary Genetics, New Mexico State University.

Graduate Research Fellow, 2003-2004, Los Alamos National Laboratory.

Graduate Teaching Assistant, 2002-2003, Department of Biology, New Mexico State University.

Field Research Technician, 2001-2002. Luquillo Forest Dynamics Plot, Institute for Tropical Ecosystem Studies, University of Puerto Rico.

Academic Awards & Honors

John Harper Prize, 2017. (*Given each year to the best paper in the Journal of Ecology by an early career author [Zambrano]*). British Ecological Society, Lead Author: Jenny Zambrano. Senior Author: Nathan Swenson.

Guggenheim Fellow, 2014. (*Guggenheim Fellowships are intended for men and women who have already demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts*). John Simon Guggenheim Memorial Foundation, Field of Study: Plant Sciences.

Ebbe Nielsen Prize, 2012. (*Awarded annually to a researcher in the early stages of their career who combines biosystematics and biodiversity informatics research in novel ways*). Global Biodiversity Information Facility.

Michigan State University Nominee for Packard Fellowship in Science and Engineering, 2012.

Jasper Loftus-Hills Young Investigators Award, 2011, (*Recognizes outstanding and promising work by investigators who received their doctorates in the preceding three years*). American Society of Naturalists.

Invited Speaker 5th Annual Early Career Scientists Symposium: “Using Phylogenies in Ecology”, 2009, University of Michigan.

Award in Tropical Botany (*Established to promote the preservation of tropical forests by enlarging the body of botanists with field experience*), 2008, The Garden Club of America and The World Wildlife Fund.

Robert W. Hoshaw Memorial Award (*Highest departmental honor for University of Arizona Ecology and Evolutionary Biology graduate students*), 2007, Ecology and Evolutionary Biology, University of Arizona.

Galileo Circle Scholar Award (*Given to University of Arizona's 'finest graduate student scientists'*), 2007, College of Science, University of Arizona.

Earth Fellowship (*Given to top incoming PhD students pursuing a minor in Global Change*), 2005-2006, Institute for the Study of Planet Earth, University of Arizona.

Outstanding Graduate Student Award (*Given to top graduate student in the U.S. Mountain West Region incorporating geospatial information and technology in their research*), 2003, Geospatial Information and Technology Association.

Grants & Fellowships

Arnold Arboretum Genomics Initiative, Harvard University, 2018, Title: "*A hybrid genome assembly and tissue-specific expression in a parthenocarpic maple – Acer griseum (Franchet) Pax.*". PI: Nathan Swenson. US\$ 9,935

National Science Foundation, 2018-2019, Title: "*RAPID: Priority Effects, Functional Differentiation, and Negative Density Dependence as Drivers of Post-Hurricane Seedling Dynamics.*" PI: Nathan Swenson. US\$ 199,564.

National Science Foundation, 2016-2020, Title: "*MSB-ENSA: Forest Function from Genes to Canopies: Disentangling the Fine Scale Spatio-Temporal Variation in Gene Expression and Tree Growth.*" PI: Nathan Swenson. Co-PIs: Sean McMahon, Stuart Davies US\$ 965,280.

National Science Foundation, 2016-2018, Title: "*Integrating Functional, Phylogenetic and Genetic Components of Diversity for an Improved Understanding of Forest Structure, Dynamics, and Change.*" PI: Stuart Davies. Co-PIs: Nathan Swenson, Helene Muller-Landau, Liza Comita, F. Andrew Jones US\$ 296,240.

National Science Foundation, 2015-2017, Title: "*Dissertation Research: Disentangling the Influence of Functional Similarity on Patterns of Species Abundance in Tree Communities.*" PI: Nathan Swenson (DDIG written by and supporting Ph.D. student Maria Natalia Umana) US\$ 19,775

National Science Foundation, 2013-2016, Title: "*ABI Innovation: Phylogenetic Methods for Imputing Missing Plant Trait Values in Global Databases.*" PI: Nathan Swenson US\$ 407,018.

National Science Foundation, 2013-2018, Title: "*Dimensions US-China: Disentangling the Components of Tree Biodiversity: Integrating Phylogenies, Functional Traits and Transcriptomes.*" PI: Nathan Swenson US\$ 400,000.

National Science Foundation, 2011-2016, Title: "*LTREB: Long-Term Studies of Flowering, Fruiting and Seedling Recruitment in Neotropical Forests: Global Change, Climate Variability and Mechanisms of Species Coexistence.*" PI: Nancy Garwood. Co-PIs: Margaret Metz, Helene Muller-Landau, S. Joseph Wright, Renato Valencia, Jess Zimmerman, Nathan Swenson, Jill Thompson and Maria Uriarte. US\$ 449,984

National Science Foundation, 2011-2014, Title: “*Collaborative Research: Modeling Successional Vegetation Dynamics in Wet Tropical Forests at Multiple Scales: Integrating Neighborhood Effects, Functional Traits, and Phylogeny*”. PI: Maria Uriarte. Co-PIs: Robin Chazdon, Nathan Swenson and Jess Zimmerman. US\$ 660,000

National Science Foundation, 2010-2015, Title: “*Dimensions IRCN: Diversity and Forest Change: Characterizing Functional, Phylogenetic and Genetic Contributions to Diversity Gradients and Dynamics in Tree Communities*”. PI: Stuart Davies. Co-PIs: Richard Condit, W. John Kress, Helene Muller-Landau and Nathan Swenson. US\$ 631,640

National Science Foundation Post-Doctoral Fellowship in Bioinformatics, 2008-2009, Center for Tropical Forest Science - Asia Program, Arnold Arboretum, Harvard University. Title: “*Phylogenetic Diversity and Turnover in Tropical Forests: Discerning the Role of Ecological, Biogeographic and Evolutionary Processes*”. US\$ 65,000

Post-Doctoral Fellowship, 2008-2010, National Center for Ecological Analysis and Synthesis, University of California - Santa Barbara. (*Declined*).

Biodiversity Collections Travel Grant, 2008, Bio5 Institute, University of Arizona. Title: “*An Inventory of the Phylogenetic and Functional Diversity in a Costa Rican Montane Rain Forest*”. US\$ 5,000

CTFS Research Grant, 2007-2008, Center for Tropical Forest Science, Smithsonian Tropical Research Institute. Title: “*Life-History, Functional Diversity and the Post-Hurricane Dynamics of a Forest Plot*”. US\$ 10,000

Dissertation Improvement Grant, 2007, Institute for the Study of Planet Earth, University of Arizona.

Graduate Research Fellowship, 2006, Geographic Analysis and Monitoring Program, United States Geological Survey, Tucson, Arizona.

Rexford Daubenmire Scholarship, 2005-2006, Organization for Tropical Studies, Duke University and Universidad de Costa Rica.

Foreign Language Area Scholarship, 2005, Center for Latin American Studies, University of Arizona and Universidade Federal do Ceara, Brasil. (*Declined*).

Graduate Research Fellowship, 2003-2004, Los Alamos National Laboratory.

Grant-in-Aid-of-Research, 2003, Sigma Xi: The Research Society.

Collaborator Named on Foreign Grants

Spanish Ministry of the Economy, 2016-2019, Title: “*Análisis Multiescalar de los Patrones de Distribución y Dominancia de Plantas Leñosas en los Bosques de Tierra Firme del Noroeste de la Amazonia*”. PI: Manuel Macía. External Scientific Collaborator: Nathan Swenson

Spanish Ministry of the Economy, 2014-2017, Title: "*Determinantes de la Diversidad Funcional y Filogenética que Explican la Distribución de las Plantas Leñosas en los Bosques Andinotropicales a lo Largo de Gradientes Altitudinales y Latitudinales*". PI: Luis Cayuela. Co-PIs: Manuel Macía, Iñigo Granzow. External Scientific Collaborator: Nathan Swenson

Chinese National Science Foundation, 2015-2018, Title: "*Phylogenetic and Functional Beta Diversity: The Relative Importance of Environmental Filtering and Dispersal Limitation in Tropical Tree Coexistence*". PI: Jie Yang. External Scientific Collaborator: Nathan Swenson

Publications (ISI Search: au = swenson ng OR DO = 10.1111/j.1365-2486.2011.02451.x)

127. Umana, M.N., E.F. Zipkin, C. Zhang, M. Cao, L. Lin and N.G. Swenson. In press. Individual-level trait variation and negative density dependence affects growth in tropical tree seedlings. **Journal of Ecology**.

126. Swenson, N.G., and S.J. Worthy. In press. Phylogenetic resolution and metrics of biodiversity and signal in conservation. In Scherson, R., and D. Faith (eds.), **Phylogeny-Based Biodiversity Assessments for Conservation**, Springer.

125. Serna-Chavez, H.M., W.D. Kissling, L.E. Veen, N.G. Swenson, and P.M. van Bodegom. 2018. Spatial scale-dependence of factors driving climate regulation services in the Americas. **Global Ecology and Biogeography** 27:828-838.

124. Johnson, D.J., J. Needham, C. Xu, E.C. Massoud, S.J. Davies, K.J. Anderson-Teixeira, S. Bunyavejchewin, J.Q. Chambers, C.H. Chang-Yang, J.M. Chiang, G.B. Chuyong, R. Ondit, S. Cordell, C. Fletcher, C.P. Giardina, T.W. Giambelluca, N. Gunatilleke, S. Gunatilleke, C.F. Sieh, S. Hubbell, F. Inman-Narahari, A.R. Kassim, M. Katabuchi, D. Kenfack, C.M. Litton, S. Lum, M. Mohamad, N. Musalmah, P.S. Ong, R. Ostertag, L. Sack, N.G. Swenson, M.N. Umana, M. Uriarte, R. Valencia, S. Yap, J.K. Zimmerman, N.G. McDowell, and S.M. McMahon. 2018. Climate sensitive size-dependent survival in tropical trees. **Nature Ecology and Evolution** 2:1436-1442.

123. Gei, M. D.M.A. Rozendaal, L. Poorter, F. Bongers, J.I. Spent, M.D. Garner, ... N.G. Swenson... and J.S. Powers (68 Authors Total). 2018. Legume abundance along successional and rainfall gradients in Neotropical forests. **Nature Ecology and Evolution** 2:1104-1111.

122. Shao, X., C. Brown, S.J. Worthy, L. Liu, M. Cao, Q. Li, L. Lin and N.G. Swenson. 2018. Intra-specific relatedness, spatial clustering and reduced demographic performance in tropical rainforest trees. **Ecology Letters** 21:1174-1181.

121. Yang, J., M. Cao and N.G. Swenson. 2018. Why functional traits do not predict tree demographic rates. **Trends in Ecology and Evolution** 33:326-336.

- 120.** Hogan, J.A., J.K. Zimmerman, J. Thompson, M. Uriarte, N.G. Swenson, R. Condit, S. Hubbell, D.J. Johnson, I.F. Sun, C.H. Chang-Yang, S.H. Su, P. One, L. Rodriguez, C.C. Money, S. Yap, and S.J. Davies. 2018. The frequency of cyclonic wind storms shapes tropical forest dynamism and functional trait dispersion. **Forests** 9:7.
- 119.** Bachelot, B., M. Uriarte, R. Muscarella, J. Forero-Montana, J. Thompson, K. McGuire, J. Zimmerman, N.G. Swenson and J.S. Clark. 2018. Associations among arbuscular mycorrhizal fungi and seedlings are predicted to change with successional status. **Ecology** 99:607-620.
- 118.** Lopez-Angulo, J., N.G. Swenson, L.A. Cavieres and A. Escudero. 2018. Interactions between abiotic gradients determine functional and phylogenetic diversity patterns in Mediterranean-type climate mountains in the Andes. **Journal of Vegetation Science** 29:245-254.
- 117.** Umana, M.N., C. Zhang, M. Cao, L. Lin and N.G. Swenson. 2018. Quantifying the role of infraspecific trait variation for allocation and organ-level traits in tropical seedling communities. **Journal of Vegetation Science** 29:276-284.
- 116.** Chen, L., L.S. Comita, S.J. Wright, N.G. Swenson, J.K. Zimmerman, X. Mi, Z. Has W. Ye, S.P. Hubbell, W.J. Kress, M. Uriarte, J. Thompson, C.J. Nytech, X. Wang, J. Lian and K. Ma. 2018. Forest tree neighborhoods are structured more by negative conspecific density dependence than by interactions among closely related species. **Ecography** 41:1114-1123.
- 115.** Weiser, M.D., N.G. Swenson, B.J. Enquist, S.T. Michaletz, R.B. Waide, J. Zhou, and M. Kaspari. 2018. Taxonomic decomposition of the latitudinal gradient in species diversity of North American floras. **Journal of Biogeography** 45:418-428.
- 114.** Poorter, L., M.T. van der Sande, E.J.M.M. Arets, N. Ascarrunz, B.J. Enquist, B. Finegan, J.C. Licona, M. Martínez-Ramos, L. Mazzei, J.A. Meave, R. Muñoz, C.J. Nytech, A.A. de Oliveira, E.A. Pérez-García, J. Prado-Junior, J. Rodríguez-Velázquez, A.R. Rusche, B. Salgado-Negret, I. Schiavini, N.G. Swenson, E.A. Tenorio, J. Thompson, M. Toledo, M. Uriarte, P. van der Hout, J.K. Zimmerman and M. Peña-Claros. 2017. Biodiversity and climate determine the functioning of Neotropical forests. **Global Ecology and Biogeography** 26:1423-1434.
- 113.** Swenson, N.G., Y. Iida, R. Howe, A. Wolf, M.N. Umana, K. Petprakob, B.L. Turner and K. Ma. 2017. Tree co-occurrence and transcriptomic response to drought. **Nature Communications** 8:1996.
- 112.** Katabuchi, M., S.J. Wright, N.G. Swenson, K.J. Feeley, R. Condit, S.P. Hubbell, and S.J. Davies. 2017. Contrasting outcomes of species- and community-level analyses of the temporal consistency of functional composition. **Ecology** 98:2273-2280.

111. Zambrano, J., P. Marchand, and N.G. Swenson. 2017. Local neighborhood and regional climatic contexts interact to explain tree performance. **Proceedings of the Royal Society B** 284:20170523.
110. Serna-Chavez, H.M., N.G. Swenson, M.D. Weiser, E.E. van Loon, W. Bouten, M.D. Davidson, and P.M. van Bodegom. 2017. Strong biotic influences on regional patterns of climate regulation services. **Global Biogeochemical Cycles** 31:787-803.
109. Umana, M.N., C. Zhang, M. Cao, L. Lin, and N.G. Swenson. 2017. A core-transient framework for trait-based community ecology: an example from a tropical tree seedling community. **Ecology Letters**.
108. Swenson, N.G., and F.A. Jones. 2017. Community transcriptomics, genomics and the problem of species co-occurrence. **Journal of Ecology** 105:563-568.
107. Zambrano, J., Y. Iida, R. Howe, L. Lin, M.N. Umana, A. Wolf, S.J. Worthy, and N.G. Swenson. 2017. Neighborhood defense gene similarity effects on tree performance: a community transcriptomic approach. **Journal of Ecology** 105:616-626. **Winner of 2017 British Ecological Society John Harper Prize for Best Paper in Journal of Ecology Written by an Early Career Ecologist.*
106. Umana, M.N., X. Mi, M. Cao, B.J. Enquist, Z. Hao, R. Howe, Y. Iida, D. Johnson, L. Lin, X. Liu, K. Ma, I.F. Sun, J. Thompson, M. Uriarte, X. Wang, A. Wolf, J. Yang, J.K. Zimmerman, and N.G. Swenson. 2017. The role of functional uniqueness and spatial aggregation in explaining rarity in trees. **Global Ecology and Biogeography** 7:777-786.
105. Swenson, N.G., M.D. Weiser, L. Mao, M.B. Araujo, J.A.F. Diniz-Filho, J. Kollman, D. Nogues-Bravo, S. Normand, M.A. Rodriguez, R. Garcia-Valdes, F. Valladares, M.A. Zavala and J.C. Svenning. 2017. Phylogeny and the prediction of tree functional diversity across novel continental settings. **Global Ecology and Biogeography** 26:553-562.
104. Feng, G., L. Mao, B.M. Benito, N.G. Swenson and J.C. Svenning. 2017. Historical anthropogenic footprints in the distribution of threatened plants in China. **Biological Conservation** 210:3-8.
103. Muscarella, R., M. Uriarte, D.L. Erickson, N.G. Swenson, W.J. Kress, and J.K. Zimmerman. 2016. Variation of tropical forest assembly mechanisms across regional environmental gradients. **Perspectives in Plant Ecology, Evolution and Systematics** 23:52-62.
102. Cantley, J., A. Markey, N.G. Swenson, and S. Keeley. 2017. Biogeography and evolutionary diversification in one of the most widely distributed and species rich genera of the Pacific. **AoB Plants** 8:plw043.

101. Zhang, C., J. Yang, L. Sha, X. Ci, J. Li, M. Cao, C. Brown, N.G. Swenson, and L. Lin. 2017. Lack of phylogenetic signal within environmental niches of tropical tree species across life stages. **Scientific Reports** 7:42007.
100. Swenson, N.G., and J. Zambrano. 2017. Why wood density varies across communities. **Journal of Vegetation Science** 28:4-6.
99. Mi, X., N.G. Swenson, Q. Jia, M. Rao, G. Feng, H. Ren, D.P. Bebber and K. Ma. 2016. Stochastic assembly in a subtropical forest chronosequence: evidence from contrasting changes of species, phylogenetic and functional dissimilarity over succession. **Scientific Reports** 6:32596.
98. Chiang, J.M., M.J. Spasojevic, H.C. Muller-Landau, I.F. Sun, Y. Lin, S.H. Su, Z.S. Chen, C.T. Chen, N.G. Swenson, and R.W. McEwan. 2016. Functional composition drives ecosystem function through multiple mechanisms in a broadleaved subtropical forest. **Oecologia** 182:829-840.
97. Iida, Y., I.F. Sun, C.A. Price, C.T. Chen, Z.S. Chen, J.M. Chiang, C.L. Huang, and N.G. Swenson. 2016. Linking leaf veins to growth and mortality rates: an example from a subtropical tree community. **Ecology and Evolution** 6:6085-6096.
96. Liu, X., N.G. Swenson, D. Lin, X. Mi, M.N. Umana, B. Schmid, and K. Ma. 2016. Linking individual-level traits to tree growth in a subtropical forest. **Ecology** 97:2396-2405.
95. Monoy, C., K. Tomlinson, Y. Iida, N.G. Swenson and F. Slik. 2016. Temporal changes in tree species and trait composition in a cyclone-prone Pacific Dipterocarp forest. **Ecosystems** 19:1013-1022.
94. Chazdon, R.L., E.N. Broadbent, D.M.A. Rozendaal, F. Bongers, A.M. Almeyda Zambrano, T.M. Aide, P. Balvanera, J.M. Becknell, V. Boukili, P.H.S. Brancalion, D. Craven, J.S. de Almeida-Cortez, G.A.L. Cabral, B. de Jong, J. Denslow, D. Dent, S.J. DeWalt, J.M. Dupuy, S.M. Durán, M.M. Espírito-Santo, M.C. Fandino, R.G. César, J.S. Hall, J.L. Hernández-Stefanoni, C.C. Jakovac, A.B. Junqueira, D. Kennard, S.G. Letcher, M. Lohbeck, M. Martínez-Ramos, P. Massoca, J.A. Meave, R. Mesquita, F. Mora, R. Muñoz, R. Muscarella, Y.R.F. Nunes, S. Ochoa-Gaona, E. Orihuela-Belmonte, M. Peña-Claros, E.A. Pérez-García, D. Piotto, J.S. Powers, J. Rodríguez-Velazquez, I.E. Romero-Pérez, J. Ruíz, J.G. Saldarriaga, A. Sanchez-Azofeifa, N.B. Schwartz, M.K. Steininger, N.G. Swenson, M. Uriarte, M. van Breugel, H. van der Wal, M.D.M. Veloso, H. Vester, I.C.G. Vieira, T. Vizcarra Bentos, G.B. Williamson, and L. Poorter. 2016. Carbon sequestration potential of Neotropical second-growth forest. **Science Advances** 2:e1501639.
93. Wu, J., N.G. Swenson, C. Brown, C. Zhang, J. Yang, X. Ci, J. Li, L. Sha, M. Cao, and L. Lin. 2016. How does habitat filtering affect the detection of conspecific and phylogenetic negative density dependence? **Ecology** 97:1182-1193.

- 92.** Swenson, N.G., M.D. Weiser, L. Mao, S. Normand, M.A. Rodriguez, L. Lin, M. Cao, and J.C. Svenning. 2016. Constancy in functional space across a species richness anomaly. **The American Naturalist** 187:E83-E92.
- 91.** Wang, X., T. Wiegand, N.J.B. Kraft, N.G. Swenson, S.J. Davies, Z. Hao, R. Howe, Y. Lin, K. Ma, X. Mi, S.H. Su, I.F. Sun, and A. Wolf. 2016. Stochastic dilution effects weaken deterministic effects of niche-based processes in species rich forests. **Ecology** 97:347-360.
- 90.** Muscarella, R., M. Uriarte, T.M. Aide, D.L. Erickson, J. Forero-Montana, W.J. Kress, N.G. Swenson, and J.K. Zimmerman. 2016. Functional convergence and phylogenetic divergence during secondary succession of subtropical wet forests in Puerto Rico. **Journal of Vegetation Science** 27:283-294.
- 89.** Poorter, L., F. Bongers, T.M. Aide, A.M.A. Zambrano, P. Balvanera, J. Becknell, V. Boukili, P.H.S. Brancalion, E.N. Broadbent, R.L. Chazdon, D. Craven, J.S. de Almeida-Cortez, G.A.L. Cabral, B. de Jong, J. Denslow, D. Dent, S.J. DeWalt, J.M. Dupuy, S.M. Duran, M.M. Espirito-Santo, M.C. Sandino, R.G. Cesar, J.S. Hall, J.L. Hernandez Stefanoni, C.C. Jakovac, A.B. Junqueira, D. Lennard, S. Letcher, J.C. Licona, M. Lohbeck, E. Marin-Spiotta, M. Martinez-Ramos, P. Mossoca, J.A. Meave, R. Mesquita, F. Mora, R. Munoz, R. Muscarella, Y.R.F. Nunes, S. Ochoa-Gaona, A. de Oliveira, E. Orihuela-Belmonte, M. Pena-Claros, E.A. Perez-Garcia, D. Piotta, J.S. Powers, J. Rodriguez-Velazquez, I.E. Romero-Perez, J. Ruiz, J.G. Saldarriaga, A. Sanchez-Azofeifa, N.B. Schwartz, M.K. Steininger, N.G. Swenson, M. Toledo, M. Uriarte, M. van Breugel, H. van der Wal, M.D.M. Veloso, H. Vester, A. Vicentini, I.C.G. Vieira, T.V. Bentos, G.B. Williamson, and D.M.A. Rozendaal. 2016. Biomass resilience of Neotropical secondary forests. **Nature** 530:211-214.
- 88.** Kunstler, G., D. Falster, D.A. Coomes, F. Hui, R.M. Kooyman, D.C. Laughlin, L. Poorter, M. Vanderwel, G. Vieilledent, S.J. Wright, M. Aiba, C. Baraloto, J. Caspersen, J.H.C. Cornelissen, S. Gourlet-Fleury, M. Hanewinkel, B. Herault, J. Kattge, H. Kurokawa, Y. Onoda, J. Penuelas, H. Poorter, M. Uriarte, S. Richardson, P. Ruiz-Benito, I.F. Sun, G. Stahl, N.G. Swenson, J. Thompson, B. Westerlund, C. Wirth, M.A. Zavala, H. Zeng, J.K. Zimmerman, N.E. Zimmermann, and M. Westoby. 2016. Plant functional traits have globally consistent effects on competition. **Nature** 529:204-207.
- 87.** Feng, G., L. Mao, B. Sandel, N.G. Swenson, and J.C. Svenning. 2016. High plant endemism in China is partially linked to reduced glacial-interglacial climate change. **Journal of Biogeography** 43:145-154.
- 86.** Muscarella, R., M. Uriarte, D.L. Erickson, N.G. Swenson, J.K. Zimmerman, and W.J. Kress. 2016. Climate and biodiversity effects on standing biomass in Puerto Rican forests. **Caribbean Naturalist** Special Issue 1:199-217.

- 85.** Umana, M.N., J. Forero-Montana, R. Muscarella, C.J. Nyctch, J. Thompson, M. Uriarte, J. Zimmerman, and N.G. Swenson. 2016. Inter-specific functional convergence and divergence and intra-specific negative density dependence underlie the seed to seedling transition in tropical trees. **The American Naturalist** 187:99-109.
- 84.** Umana, M.N., C. Zhang, M. Cao, L. Lin and N.G. Swenson. 2015. Commonness, rarity, and intra-specific variation in traits and performance in tropical tree seedlings. **Ecology Letters** 18:1329-1337.
- 83.** Poorter, L., M.T. van der Sande, J. Thompson, E.J.M.M. Arets, A. Alarcón, J. Álvarez-Sánchez, N. Ascarrunz, P. Balvanera, G. Barajas-Guzmán, A. Boit, F. Bongers, F.A. Carvalho, F. Casanoves, G. Cornejo-Tenorio, F.R.C. Costa, C.V. de Castilho, J.F. Duivenvoorden, L.P. Dutrieux, B.J. Enquist, F. Fernández-Méndez, B. Finegan, L.H.L. Gormley, J.R. Healey, M.R. Hoosbeek, G. Ibarra-Manríquez, A.B. Junqueira, C. Levis, J.C. Licona, L.S. Lisboa, W.E. Magnusson, M. Martínez-Ramos, A. Martínez-Yrizar, L.G. Martorano, L.C. Maskell, L. Mazzei, J.A. Meave, F. Mora, R. Muñoz, C. Nyctch, M.P. Pansonato, T.W. Parr, H. Paz, M. Simoes Penello, E.A. Pérez-García, L.Y. Rentería, J. Rodríguez-Velazquez, D.M.A. Rozendaal, A.R. Ruschel, B. Sakschewski, B. Salgado Negret, J. Schiatti, F.L. Sinclair, P.F. Souza, F.C. Souza, J. Stropp, H. ter Steege, N.G. Swenson, K. Thonicke, M. Toledo, M. Uriarte, P. van der Hout, P. Walker, N. Zamora, and M. Peña-Claros. 2015. Diversity enhances carbon storage in tropical forests. **Global Ecology and Biogeography** 24:1314-1328.
- 82.** Pei, N.C., D.L. Erickson, B. Chen, X. Ge, X. Mi, N.G. Swenson, J. Zhang, F.A. Jones, C. Huang, W. Ye, Z. Hao, C. Hsieh, S. Lum, N.A. Bourg, J.D. Parker, J.K. Zimmerman, W.J. McShea, I.C. Lopez, I.F. Sun, S.J. Davies, K. Ma, and W.J. Kress. 2015. Closely-related taxa influence woody species discrimination via DNA barcoding: evidence from global forest dynamics plots. **Scientific Reports** 5:15127.
- 81.** Letcher, S.G., J.R. Lasky, R.L. Chazdon, N. Norden, S.J. Wright, J.A. Meave, Eduardo A. Pérez-García, R. Muñoz, E. Romero-Pérez, A. Andrade, J.L. Andrade-Torres, P. Balvanera, J.M. Becknell, T.V. Bentos, R. Bhaskar, F. Bongers, V. Boukili, P.H.S. Brancalion, R.G. César, D.A. Clark, D.B. Clark, D. Craven, A. DeFrancesco, J.M. Dupuy, B. Finegan, E. González-Jiménez, J.S. Hall, K.E. Harms, J.L. Hernández-Stefanoni, P. Hietz, D. Kennard, T.J. Killeen, S.G. Laurance, E.E. Lebrija-Trejos, M. Lohbeck, M. Martínez-Ramos, P.E.S. Massoca, R.C.G. Mesquita, F. Mora, R. Muscarella, H. Paz, F. Pineda-García, J.S. Powers, R. Quesada-Monge, R.R. Rodrigues, M.E. Sandor, L. Sanaphre-Villanueva, E. Schüller, N.G. Swenson, A. Tauro, M. Uriarte, M. van Breugel, O. Vargas-Ramírez, R.A.G. Viani, A. Wendt, and G.B. Williamson. 2015. Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. **Journal of Ecology** 103:1276-1290.
- 80.** Lasky, J.R., B. Bachelot, R. Muscarella, N. Schwartz, J. Forero-Montana, C.J. Nyctch, N.G. Swenson, J. Thompson, J.K. Zimmerman and M. Uriarte. 2015. Ontogenetic shifts in trait-mediated mechanisms of plant community assembly. **Ecology** 96:2157-2169.

79. Yang, J., N.G. Swenson, G. Zhang, X. Ci, M. Cao, L. Sha, J. Li, J.W. Slim, and L. Lin. 2015. Local-scale partitioning of functional and phylogenetic beta diversity in a tropical tree assemblage. **Scientific Reports** 5:12731.
78. Zanne, A.E., D.C. Tank, W.K. Cornwell, J.M. Eastman, S.A. Smith, R.G. FitzJohn, D.J. McGlinn, B.C. O'Meara, A.T. Moles, P.B. Reich, D.L. Royer, D.E. Soltis, P.F. Stevens, M. Westoby, I.J. Wright, L. Aarssen, R.I. Bertin, A. Calaminus, R. Govaerts, F. Hemmings, M.R. Leishman, J. Oleksyn, P.S. Soltis, N.G. Swenson, L. Warman and J.M. Beaulieu. 2015. Replying to Edwards et al. **Nature** 521:E6-E7.
77. Hulshof, C.M., N.G. Swenson, and M.D. Weiser. 2015. Tree height-diameter allometry across the United States. **Ecology and Evolution** 5:1193-1204.
76. Wang, X., T. Wiegand, N.G. Swenson, A.T. Wolf, and R.W. Howe. 2015. Mechanisms underlying local functional and phylogenetic beta diversity in two temperate forests. **Ecology** 96:1062-1073
75. Swenson, N.G., and M.D. Weiser. 2014. On the packing and filling of functional space in eastern North American tree assemblages. **Ecography** 11:1056-1062.
74. Erickson, D.L., F.A. Jones, N.G. Swenson, N. Pei, N.A. Bourg, W. Chen, S.J. Davies, X.J. Ge, Z. Hao, R.W. Howe, C.L. Huang, A.J. Larson, S.K.Y. Lum, J.A. Lutz, K. Ma, M. Meegaskumbura, X. Mi, J.D. Parker, I.F. Sun, S.J. Wright, A.T. Wolf, W. Ye, D. Xing, J.K. Zimmerman, and W.J. Kress. 2014. Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. **Frontiers in Genetics** 5:e358.
73. Muscarella, R., M. Uriarte, D.L. Erickson, N.G. Swenson, J.K. Zimmerman, and W.J. Kress. 2014. A well-resolved phylogeny of the trees of Puerto Rico based on DNA barcode sequence data. **PLoS One** 9:e112843.
72. Moles, A.T., S.E. Perkins, S.W. Laffan, H. Flores-Moreno, M. Awasthy, M.L. Tindall, L. Sack, A. Pitman, J. Kattge, L.W. Aarssen, M. Anand, M. Bahn, B. Blonder, J. Cavender-Bares, J.H.C. Cornelissen, W.K. Cornwell, S. Diaz, J.B. Dickie, G.T. Freschet, J.G. Griffiths, A.G. Gutierrez, F.A. Hemmings, T. Hickler, T.D. Hitchcock, M. Keighery, M. Kleyer, H. Kurokawa, M.R. Leishman, K. Liu, U. Niinemets, V. Onipchenko, Y. Onoda, J. Penuelas, V.D. Pillar, P.B. Reich, S. Shiodera, A. Siefert, E.E. Sosinski Jr., N.A. Soudzilovskaia, E.K. Swaine, N.G. Swenson, P.M. van Bodegom, L. Warman, E. Weiher, I.J. Wright, H. Zhang, M. Zobel and S.P. Bonser. 2014. Which is a better predictor of plant traits: temperature or precipitation? **Journal of Vegetation Science** 5:1167-1180.
71. Swenson, N.G. 2014. Phylogenetics and comparative methods. **Oxford Bibliographies in Ecology**. [Link](#); DOI: 10.1093/OBO/9780199830060-0087

70. Iida, Y., T.S. Kohyama, N.G. Swenson, S.H. Su, C.T. Chen, J.M. Chiang, and I. Sun. 2014. Linking functional traits and demographic rates in a subtropical tree community: the importance of size-dependency. **Journal of Ecology** 102:641-650.
69. Xing, D., N.G. Swenson, M.D. Weiser, and Z. Hao. 2014. Determinants of species abundance for eastern North American trees. **Global Ecology and Biogeography** 23:903-911.
68. Zanne, A.E., D.C. Tank, W.K. Cornwell, J.E. Eastman, S.A. Smith, R.G. FitzJohn, D.J. McGlinn, B.C. O'Meara, A.T. Moles, D.L. Royer, I.J. Wright, L. Aarssen, R.I. Bertin, A. Calaminus, R. Govaerts, F. Hemmings, M.R. Leishman, J. Oleksyn, P.B. Reich, D.E. Soltis, P.S. Soltis, P.F. Stevens, N.G. Swenson, L. Warman, M. Westoby, and J.M. Beaulieu. 2014. Three keys to radiation of angiosperms into freezing environments. **Nature** 506:89-92.
67. Swenson, N.G., and M.N. Umana. 2014. Phylofloristics: an example from the Lesser Antilles. **Journal of Plant Ecology** 7:176-187.
66. Gonzalez-Caro, S., M.N. Umana, E. Alvarez, P.R. Stevenson, and N.G. Swenson. 2014. Phylogenetic alpha and beta diversity in tropical tree assemblages along regional scale environmental gradients in Northwest South America. **Journal of Plant Ecology** 7:145-153.
65. Yang, J., X. Ci, G. Zhang, N.G. Swenson, L. Sha, C.C. Baskin, J. Li, M. Cao, J.W.F. Slik, and L. Lin . 2014. Functional and phylogenetic assembly in a Chinese tropical tree community across size class, spatial scales and habitats. **Functional Ecology** 28:520-529.
64. Cantley, J.T., N.G. Swenson, A. Markey, and S.C. Keeley. 2014. Biogeographic insights on Pacific Coprosma (Rubiaceae) indicate two colonizations to the Hawaiian Islands. **Botanical Journal of the Linnean Society** 174:412-424.
63. Swenson, N.G. 2014. Phylogenetic imputation of plant functional trait databases. **Ecography** 37:105-110.
62. 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.
61. Dawson, M.N., A.C. Algar, A. Antonelli, L.M. Davalos, E. Davis, R. Early, A. Guisan, R. Jansson, J.P. Lessard, K.A. Marske, J. McGuire, A.L. Stigall, N.G. Swenson, N.E. Zimmerman, and D.G. Gavin. 2013. A horizon scan of biogeography. **Frontiers of Biogeography** 5:130-157.
60. Qian, H., N.G. Swenson, and J. Zhang. 2013. Phylogenetic beta diversity of angiosperms in North America. **Global Ecology and Biogeography** 22:1152-1161.

59. Wang, X., N.G. Swenson, T. Wiegand, A. Wolf, R. Howe, Y. Zhao, X. Bai, D. Xing, and Z. Hao. 2013. Phylogenetic and functional diversity area relationships in two temperate forests. **Ecography** 36:883-893.
58. Lanfear, R., S.Y.W. Ho, T.J. Davies, A.T. Moles, L. Aarssen, N.G. Swenson, L. Warman, A.E. Zanne, and A.P. Allen. 2013. Taller plants have lower rates of molecular evolution: the rate of mitosis hypothesis. **Nature Communications** 4:1879.
57. Siefert, A., C. Ravenscroft, M.D. Weiser, and N.G. Swenson. 2013. Functional beta diversity patterns reveal deterministic community assembly processes in eastern North American trees. **Global Ecology and Biogeography** 22:682-691.
56. Swenson, N.G., X. Mi, W.J. Kress, J. Thompson, M. Uriarte, and J.K. Zimmerman. 2013. Species-time-area and phylogenetic-time-area relationships in tropical tree communities. **Ecology and Evolution** 3:1173-1183.
55. Yang, J., N.G. Swenson, M. Cao, G.B. Chuyong, C.E.N. Ewango, R. Howe, D. Kenfack, D. Thomas, A. Wolf and L. Lin. 2013. A phylogenetic perspective on the individual species-area relationship in temperate and tropical tree communities. **PLoS One** 8:e63192.
54. Swenson, N.G. 2013. The assembly of tropical tree communities - the advances and shortcomings of phylogenetic and functional trait analyses. **Ecography** 36:264-276.
53. Liu, X., N.G. Swenson, J. Zhang, and K. Ma. 2013. The environment and space, not phylogeny, determine trait dispersion in a subtropical forest. **Functional Ecology** 27:264-272.
52. Muscarella, R., M. Uriarte, J. Forero-Montana, L.S. Comita, N.G. Swenson, J. Thompson, C. Nyctch, I. Jonckheere, and J.K. Zimmerman. 2013. Life-history trade-offs during the seed-to-seedling transition in a subtropical wet forest community. **Journal of Ecology** 101:171-182.
51. Zhang, J., N.G. Swenson, S. Chen, X. Liu, Z. Li, J. Huang, X. Mi, and K. Ma. 2013. Phylogenetic beta diversity in tropical forests: implications for the roles of geographical and environmental distance. **Journal of Systematics and Evolution** 51:71-85.
50. Stegen, J.C., A.L. Freestone, T.O. Crist, M.J. Anderson, J.M. Chase, L.S. Comita, H.V. Cornell, K.F. Davies, S.P. Harrison, A.H. Hurlbert, B.D. Inouye, N.J.B. Kraft, J.A. Myers, N.J. Sanders, N.G. Swenson, and M. Vellend. 2013. Stochastic and deterministic drivers of spatial and temporal turnover in breeding bird communities. **Global Ecology and Biogeography** 22:202-212.
49. Price, C.A., J.S. Weitz, V.M. Savage, J.C. Stegen, A. Clarke, D.A. Coomes, P.S. Dodds, R.S. Etienne, A.J. Kerkhoff, K. McCulloh, K.J. Niklas, H. Olf, and N.G. Swenson. 2012. Testing the metabolic theory of ecology. **Ecology Letters** 15:1465-1474.

48. Swenson, N.G. 2012. The functional ecology and diversity of tropical tree assemblages through space and time: from local to regional and from traits to transcriptomes. **ISRN Forestry** 2012:743617.
47. Swenson, N.G., D.L. Erickson, X. Mi, N.A. Bourg, J. Forero-Montana, X. Ge, R. Howe, J.K. Lake, X. Liu, K. Ma, N. Pei, J. Thompson, M. Uriarte, A. Wolf, S.J. Wright, W. Ye, J. Zhang, J.K. Zimmerman, and W.J. Kress. 2012. Phylogenetic and functional alpha and beta diversity in temperate and tropical tree communities. **Ecology** 93:S112-S125.
46. Norden, N., S.G. Letcher, V. Boukili, N.G. Swenson, and R. Chazdon. 2012. Demographic drivers of successional changes in phylogenetic structure across life-history stages in tropical plant communities. **Ecology** 93:S70-S82.
45. Swenson, N.G., B.J. Enquist, J. Pither, A.J. Kerkhoff, B. Boyle, M.D. Weiser, J.J. Elser, W.F. Fagan, J. Forero-Montana, N. Fyllas, N.J.B. Kraft, J.K. Lake, A.T. Moles, S. Patino, O.L. Phillips, C.A. Price, P.B. Reich, C.A. Quesada, J.C. Stegen, R. Valencia, I.J. Wright, S.J. Wright, S. Andelman, P.M. Jorgensen, T.E. Lacher Jr., A. Monteagudo, P. Nunez-Vargas, R. Vasquez, and K.M. Nolting. 2012. The biogeography and filtering of woody plant functional diversity in North and South America. **Global Ecology and Biogeography** 21:798-808.
44. Swenson, N.G. 2012. Phylogenetic analyses of ecological communities using barcode data. In Kress, W.J., and D.L. Erickson (eds.), **DNA Barcodes: Methods and Protocols**, Pp. 409-419, Humana Press .
43. Mi, X., N.G. Swenson, R. Valencia, W.J. Kress, D.L. Erickson, A. Perez-Castaneda, H. Ren, S.H. Su, N. Gunatilleke, S. Gunatilleke, Z. Hao, W. Ye, M. Cao, H.S. Suresh, H.S. Dattaraja, R. Sukumar, and K. Ma. 2012. The contribution of rare species to community phylogenetic diversity across a global network of forest plots. **The American Naturalist** 180:E17-E30.
42. Swenson, N.G., J.C. Stegen, S.J. Davies, D.L. Erickson, J. Forero-Montana, A.H. Hurlbert, W.J. Kress, J. Thompson, M. Uriarte, S.J. Wright and J.K. Zimmerman. 2012. Temporal turnover in the composition of tropical tree communities: functional determinism and phylogenetic stochasticity. **Ecology** 93:490-499.
41. Liu, X., N.G. Swenson, S.J. Wright, L. Zhang, K. Song, Y. Du, J. Zhang, X. Mi, and K. Ma. 2012. Covariation in plant functional traits and soil fertility within two species-rich forests. **PLoS One** 7:e34767.
40. Kraft, N.J.B., N.J. Sanders, J.C. Stegen, M.J. Anderson, T.O. Crist, H.V. Cornell, M. Vellend, J.M. Chase, L.S. Comita, K.F. Davies, A.L. Freestone, S.P. Harrison, B.D. Inouye, J.A. Myers, and N.G. Swenson. 2012. Response to comments on “Disentangling

the drivers of B-diversity across latitudinal and elevational gradients". **Science** 335:1573.

39. Hulshof, C.M., J.C. Stegen, N.G. Swenson, C.A.F. Enquist, and B.J. Enquist. 2012. Interannual variability of growth and reproduction in *Bursera simaruba*: the role of allometry and resource variability. **Ecology** 93:180-190.
38. Kraft, N.J.B., L.S. Comita, J.M. Chase, N.J. Sanders, N.G. Swenson, T.O. Crist, J.C. Stegen, M. Vellend, B. Boyle, M.J. Anderson, H.V. Cornell, K.F. Davies, A.L. Freestone, B.D. Inouye, S.P. Harrison, and J.A. Myers. 2011. Disentangling the drivers of B-diversity across latitudinal and elevational gradients. **Science** 333:1755-1758.
37. Stegen, J.C., N.G. Swenson, B.J. Enquist, E.P. White, O.L. Phillips, P.M. Jorgensen, M.D. Weiser, A. Monteagudo-Mendoza, and P. Nunez-Vargas. 2011. Variation in above-ground forest biomass across broad climatic gradients. **Global Ecology and Biogeography** 20:744-754.
36. Kattge, J., ...N.G. Swenson,... and C. Wirth (129 Authors Total). 2011. TRY - a global database of plant traits. **Global Change Biology** 17:2905-2935.
35. Swenson, N.G. 2011. Phylogenetic beta diversity metrics, trait evolution and inferring the functional beta diversity of communities. **PLoS One** 6:e21264
34. Pei, N.C., J.Y. Lian, D.L. Erickson, N.G. Swenson, W.J. Kress, W.H. Ye, and X.J. Ge. 2011. Exploring tree-habitat associations in a Chinese subtropical forest plot using a molecular phylogeny generated from DNA barcode loci. **PLoS One** 6:e21273
33. Swenson, N.G. 2011. The role of evolutionary processes in producing biodiversity patterns, and the interrelationships between taxonomic, functional and phylogenetic biodiversity. **American Journal of Botany** 98:472-480.
32. Swenson, N.G., P. Anglada-Cordero, and J.A. Barone. 2011. Deterministic tropical tree community turnover: evidence from patterns of functional beta diversity along an elevational gradient. **Proceedings of the Royal Society B** 278:877-884.
31. Schwaderer, A.S., K. Yoshiyama, P. de Tezanos-Pinto, N.G. Swenson, C.A. Klausmeier, and E. Litchman. 2011. Eco-evolutionary differences in light utilization traits and distributions of freshwater phytoplankton. **Limnology and Oceanography** 56:589-598.
30. Anderson, M.J., T.O. Crist, J.M. Chase, M. Vellend, B.D. Inouye, A.L. Freestone, N.J. Sanders, H.V. Cornell, L.S. Comita, K.F. Davies, S.P. Harrison, N.J.B. Kraft, J.C. Stegen, and N.G. Swenson. 2011. Navigating the multiple meanings of beta diversity: a roadmap for the practicing ecologist. **Ecology Letters** 14:19-28.

29. Uriarte, M., N.G. Swenson, R.L. Chazdon, L.S. Comita, W.J. Kress, D.L. Erickson, J. Forero-Montana, J.K. Zimmerman, and J. Thompson. 2010. Trait similarity, shared ancestry, and the structure of neighborhood interactions in a subtropical wet forest: implications for community assembly. **Ecology Letters** 13:1503-1514.
28. Swenson, N.G. 2010. Mapping the suturing of a continental biota. **Molecular Ecology** 19:5324-5327.
27. Kress, W.J., D.L. Erickson, N.G. Swenson, J. Thompson, M. Uriarte, and J.K. Zimmerman. 2010. Advances in the use of DNA barcodes in building a community phylogeny for tropical trees in a Puerto Rican forest dynamics plot. **PLoS One** 5:e15409.
26. Schreeg, L.A., W.J. Kress, D.L. Erickson, and N.G. Swenson. 2010. Phylogenetic analysis of local-scale tree soil associations in a lowland moist tropical forest. **PLoS One** 5:e13685
25. Swenson, N.G., and M.D. Weiser. 2010. Plant geography upon the basis of functional traits: an example from eastern North American trees. **Ecology** 91:2234-2241.
24. Swenson, N.G. 2010. Suture zones and phylogeographic concordance: are they the same and how should we test for their existence? In: **Phylogeography: Concepts, Intraspecific Patterns and Speciation Processes**, Nova Publishers, New York.
23. Swenson, N.G., and J. Pither. 2010. Statistical phylogeography, ecological niche models and predicting glacial refugia: an examination of key assumptions. In: **Phylogeography: Concepts, Intraspecific Patterns and Speciation Processes**, Nova Publishers, New York.
22. Elser, J.J., W.F. Fagan, A.J. Kerkhoff, N.G. Swenson, and B.J. Enquist. 2010. Biological stoichiometry of plant production: metabolism, scaling, and ecological response to global change. **New Phytologist** 186:593-608.
21. Hulshof, C.M., and N.G. Swenson. 2010. Variation in leaf functional trait values within and across individuals and species: an example from a Costa Rican dry forest. **Functional Ecology** 24:217-223.
20. Stegen, J.C., and N.G. Swenson. 2009. Functional trait assembly through ecological and evolutionary time. **Theoretical Ecology** 2:239-250.
19. Kress, W.J., D.L. Erickson, F.A. Jones, N.G. Swenson, R. Perez, O. Sanjur, and E. Bermingham. 2009. Plant DNA barcodes and a community phylogeny of a tropical forest dynamics plot in Panama. **Proceedings of the National Academy of Sciences USA** 106:18621-18626.

18. Stegen, J.C., N.G. Swenson, R. Valencia, B.J. Enquist, and J. Thompson. 2009. Above-ground biomass is not consistently related to wood density or basal area in tropical forests. **Global Ecology and Biogeography** 18:617-625.
17. Moles, A.T., D.I. Warton, L. Warman, N.G. Swenson, S.W. Laffan, A.E. Zanne, A. Pitman, F.A. Hemmings, and M.R. Leishman. 2009. Global patterns in plant height. **Journal of Ecology** 97:923-932.
16. Swenson, N.G., and B.J. Enquist. 2009. Opposing assembly mechanisms in a Neotropical dry forest: implications for phylogenetic and functional community ecology. **Ecology** 90:2161-2170.
15. Chave, J., D. Coomes, S. Jansen, S. Lewis, N.G. Swenson, and A.E. Zanne. 2009. Towards a worldwide wood economics spectrum. **Ecology Letters** 12:351-366.
14. Swenson, N.G. 2009. Phylogenetic resolution and quantifying the phylogenetic diversity and dispersion of communities. **PLoS One** 4:e4390.
13. Swenson, N.G. 2009. Herbaceous monocot form and function along a tropical rain forest light gradient: a reversal of dicot strategy. **Journal of Tropical Ecology** 25:103-106.
12. Swenson, N.G., J.M. Fair, and J. Heikoop. 2008. Water stress and hybridization between *Quercus gambelii* and *Q. grisea*. **Western North American Naturalist** 68:498-507.
11. Swenson, N.G., and B.J. Enquist. 2008. The relationship between stem and branch wood specific gravity and the ability of each measure to predict leaf area. **American Journal of Botany** 95:516-519.
10. Swenson, N.G. 2008. The past and future influence of geographic information systems on hybrid zone, phylogeographic and speciation research. **Journal of Evolutionary Biology** 21:421-434.
9. Enquist, B.J., A.J. Kerkhoff, S.C. Stark, N.G. Swenson, M.C. McCarthy, and C.A. Price. 2007. A general integrative model for scaling plant growth and functional trait spectra. **Nature** 449:218-222.
8. Swenson, N.G., B.J. Enquist, J. Thompson, and J.K. Zimmerman. 2007. The influence of spatial and size scales on phylogenetic relatedness in tropical forest communities. **Ecology** 88:1770-1780.
7. Swenson, N.G., D.L. Mahler, M. Ferro, and A. Ritchie. 2007. The energetic determination, spatial dispersion and density dependence of *Myrmeleon* pits in Las Cruces, Costa Rica. **Biotropica** 38:774-777.

6. Weiser, M.D., B. J. Enquist, B. Boyle, T. J. Killeen, P. M. Jorgensen, G. Fonseca, M. Jennings, A. J. Kerkhoff, T. E. Lacher Jr., A. Monteagudo, M.P. Nunez Vargas, O.L. Phillips, N.G. Swenson, and R. Vasquez Martinez. 2007. Range size distributions and the latitudinal gradient in New World woody plant species richness. **Global Ecology and Biogeography** 16:679-688.
5. Swenson, N.G., and B.J. Enquist. 2007. Ecological and evolutionary determinants of a key plant functional trait: wood density and its community-wide variation across latitude and elevation. **American Journal of Botany** 91:451-459.
4. Swenson, N.G., B.J. Enquist, J. Pither, J. Thompson, and J.K. Zimmerman. 2006. The problem and promise of scale dependency in community phylogenetics. **Ecology** 87:2418-2424.
3. Swenson, N.G. 2006. GIS-based niche models reveal unifying climatic mechanisms that maintain the location of avian hybrid zones in a North American suture zone. **Journal of Evolutionary Biology** 19:717-725.
2. Swenson, N.G., and D.J. Howard. 2005. Clustering of contact zones, hybrid zones, and phylogeographic breaks in North America. **The American Naturalist** 166:581-591.
1. Swenson, N.G., and D.J. Howard. 2004. Do suture zones exist? **Evolution** 58:2391-2397.

Books

Swenson, N.G. 2014. Functional and Phylogenetic Ecology in R. Springer UseR! Series, Springer, New York, New York.

Book Reviews

Swenson, N.G. 2016. Trait-based plant ecology. *Ecology* 97:3556-3558. (Review of Garnier et al. 2016. "Plant Functional Diversity: Organism Traits, Community Structure, and Ecosystem Properties", Oxford University Press, Oxford, UK).

White Papers

Enquist, B.J., R. Condit, R.K. Peet, M. Schildhauer, B.M. Thiers, S. Andelman, B. Boyle, J. Cavender-Bares, S. Dolins, S. Hampton, J. Kennedy, B.J. McGill, H. ter Steege, J.C. Svenning, **N.G. Swenson**, O. Phillips, P. Jorgensen, D. Vieglais, Corine Vriesendorp and S. Wiser. 2009. Cyberinfrastructure for an integrated botanical information network to investigate the ecological impacts of global climate change on plant biodiversity. *iPlant White Paper* www.iplantcollaborative.org/sites/default/files/BIEN_White_Paper.pdf

Seminars

- Department of Biology, University of Alabama, Tuscaloosa, Alabama, August 2018, (Host: Carla Atkinson)
 Title: *Functional diversity and tree community dynamics.*
- Center for Tree Science, Morton Arboretum, Lisle, Illinois, March 2018, (Host: Andrew Hipp)
 Title: *The structure and dynamics of tree assemblages – from traits and phylogenies to transcriptomes and functional phylogenomics.*
- EvoTree Physiological and Molecular Adaptation to Climate Change in Forest Trees Workshop, Volcani Center and Weizmann Institute of Science, Tel Aviv, Israel, March 2018, Key Note Speaker, (Host: Rakefet David-Swartz)
 Title: *Tree transcriptomic response to drought, co-occurrence and phylogenetic signal.*
- Forestry and Forest Products Research Institute, Tsukuba, Japan, February 2017, (Hosts: Hiroko Kurokawa and Yoshiko Iida)
 Title: *Transcriptomic analyses of tree communities: moving beyond functional traits and phylogenetic relatedness.*
- Smithsonian Environmental Research Center, Edgewater, Maryland, October 2016, (Host: Sean McMahon)
 Title: *Transcriptomic analyses of tree communities: moving beyond functional traits and phylogenetic relatedness.*
- Department of Biology, Universidad de Puerto Rico, Rio Piedras, Puerto Rico, April 2016, (Host: Miguel Acevedo)
 Title: *Transcriptomic analyses of tree communities: moving beyond functional traits and phylogenetic relatedness.*
- Center for Genome Research and Biocomputing, Oregon State University, Corvallis, Oregon, February 2016, (Host: Andy Jones)
 Title: *Transcriptomic analyses of tree communities: moving beyond functional traits and phylogenetic relatedness.*
- Linnean Centre for Plant Biology, Uppsala, Sweden, August 2015, (Host: Hakan Rydin)
 Title: *The phylogenetic and functional imprint on community structure: enhancing the species-centric approach.*
- Ecological Society of America Annual Meeting, Baltimore, Maryland, August 2015.
 Title: *The phylogenetic distribution of functional diversity across a worldwide forest dynamics plot network.*
- Ecological Society of Japan Annual Meeting, Hiroshima, Japan, March 2014.
 Title: *The functional diversity of temperate and tropical tree communities and how it relates to their structure and dynamics through space and time.*
- Department of Biology, Grand Valley State University, Allendale, Michigan, February 2014, (Host: Gary Greer)
 Title: *The evolutionary and functional fingerprint on woody plant community assembly.*
- Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, Michigan, February 2014, (Host: Chris Dick)
 Title: *The evolutionary and functional fingerprint on woody plant community assembly.*
- 21st-Century Naturalists: Integrating Pattern and Process to Understand Biodiversity - A Conference of the American Society of Naturalists, Asilomar, California, January 2014.
 Title: *The idiosyncratic evolutionary imprint on assembly in New Zealand woody plant communities.*
- Department of Plant Biology, Michigan State University, East Lansing, Michigan, November

- 2013 (Host: Richard Triemer)
 Title: *The distribution and diversity of woody plant function across scales.*
 Forest Biodiversity-Ecosystem Function Symposium, Chinese Academy of Science, Gutianshan, China, Keynote Speaker, October 2013, (Host: Keping Ma & Bernhard Schmid)
 Title: *The imprint of phylogenetic history on community assembly and its implications for ecosystem function.*
- Biology Department, Hope College, Holland, Michigan, October 2013, (Host: Jianhua Li)
 Title: *The evolutionary and functional fingerprint on woody plant community assembly.*
- Department of Biosciences, Aarhus University, Aarhus, Denmark, September 2013, (Host: Jens-Christian Svenning)
 Title: *The distribution, diversity and structure of function in temperate and tropical tree assemblages*
- INTECOL/British Ecological Society Annual Meeting, London, England, August 2013.
 Title: *Mapping the distribution and diversity of plant height on continental scales using large trait and spatial datasets.*
- Association for Tropical Biology and Conservation Annual Meeting, San Jose, Costa Rica, June 2013.
 Title: *Exploring the phylogenetic distribution of tree functional diversity: a comparative study of temperate and tropical forest plots enabled by a DNA barcode mega-phylogeny.*
- Department of Biology, Organismal Biology Day Plenary Speaker, University of Maryland, April 2013, (Hosts: Biology Graduate Students & Charlie Fenster)
 Title: *Integrating traits and phylogenetics into the study of community assembly and dynamics.*
- Department of Biological Sciences, Western Michigan University, October 2012, (Host: Todd Barkman)
 Title: *Phylogenetic and functional investigations of tree community assembly.*
- Global Biodiversity Information Facility, Science Symposium Key Note Lecture & Ebbe Nielsen Prize Lecture, Lillehammer, Norway, September 2012, (Host: Dr. Leonard Krishtalka)
 Title: *The distribution and diversity of woody plant function on continental scales.*
- Department of Ecology and Evolutionary Biology, Yale University, March 2012, (Host: Suzanne Alonzo)
 Title: *Functional and phylogenetic perspectives on the structure, dynamics and diversity of species assemblages.*
- Department of Biology, University of Massachusetts - Boston, February 2012, (Host: Liam Revell)
 Title: *A functional perspective on tree community assembly and dynamics.*
- Department of Natural Resources and Environmental Studies, National Dong Hwa University, Taiwan, December 2011, (Hosts: Yu-Yun Chen and I-Fang Sun)
 Title: *The distribution and dynamics of phylogenetic and functional diversity in tropical tree communities.*
- Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, China, November 2011, (Host: Min Cao)
 Title: *The distribution and dynamics of phylogenetic and functional diversity in tropical tree communities.*
- Jepson Herbarium, University of California – Berkeley, October 2011, (Host: Rosemary Gillespie)
 Title: *The distribution and diversity of woody plant function from local to continental scales.*

- Curriculum for the Environment and Ecology, University of North Carolina, September 2011, (Hosts: CEE Graduate Students)
 Title: *The utility of phylogenetic and functional axes of biodiversity in understanding the assembly and dynamics of communities.*
- Ecological Society of American Annual Meeting, Austin, Texas, August 2011.
 Title: *Comparative phylogenetic and functional turnover among temperate versus tropical forest sites.*
- Ecological Society of American Annual Meeting, Austin, Texas, August 2011.
 Title: *Distribution of functional traits in the trees of Europe and eastern North America.*
- CTFS – CforBio Symposium on Climate Change and Forest Biodiversity Conservation, Institute of Botany, Chinese Academy of Sciences, Beijing, China, July 2011 (Hosts: Stuart Davies and Keping Ma)
 Title: *Phylogenetic and functional alpha and beta diversity in tropical and temperate CTFS plots.*
- Young Investigators Prize Symposium, Annual Meeting of the American Society of Naturalists, June 2011 (Host: Bob Ricklefs)
 Title: *The distribution and diversity of plant function from local to continental scales.*
- Phylogenetic Ecology Symposium, National Center for Ecological Analysis and Synthesis, November 2010 (Hosts: Jeannine Cavender-Bares, David Ackerly and Ken Kozak)
 Title: *The latitudinal gradient in phylogenetic and functional beta diversity in tree communities*
- Institute of Botany, Chinese Academy of Sciences, Beijing, August 2010, (Hosts: Keping Ma and Xiangcheng Mi)
 Title: *The distribution of phylogenetic and functional diversity through space and time in tropical tree communities*
- Association of Tropical Biology and Conservation Annual Meeting, Bali, Indonesia, July 2010.
 Title: *Phylogenetic beta diversity in tropical forest plots: an examination of alternative approaches.*
- Department of Forestry, Michigan State University, March 2010, (Host: Rich Kobe)
 Title: *Phylogenetic and functional turnover and diversity in tropical forests through space and time.*
- Ecological Society of American Annual Meeting, Albuquerque, New Mexico, August 2009.
 Title: *Phylogenetic turnover and diversity in tropical forests through space and time.*
- Association of Tropical Biology and Conservation Annual Meeting, Marburg, Germany July 2009.
 Title: *Phylogenetic turnover and diversity in tropical forests through space and time.*
- Early Career Scientists Symposium: Using Phylogenies in Ecology, University of Michigan, March 2009 (Host: Deborah Goldberg).
 Title: *Stochastic and deterministic temporal turnover of the tree composition in a tropical rain forest: the role of phylogeny and species function.*
- Kellogg Biological Station, Michigan State University, October 2008.
 Title: *The Ecological Implications and Evolution of Whole Plant Form and Function.*

- Ecological Society of America Annual Meeting, Milwaukee, Wisconsin, August 2008.
Title: *Long-Term Trends in the Species, Functional, and Phylogenetic Diversity in Two Neo-Tropical Forest Dynamics Plots.*
- Organization for Tropical Studies Tropical Plant Systematics Course, Parque Nacional Palo Verde, Costa Rica, June 2008 (Hosts: Brad Boyle and Robbin Moran)
Title: *Phylogeny, Functional Traits, Communities and the Comparative Method.*
- Department of Ecology and Evolutionary Biology, May 2008. (Dissertation Defense)
Title: *The Influence of Phylogenetic and Functional Similarity on Species Coexistence Through Space and Time.*
- Plant Biology Department, Michigan State University, February 2008. (Host: Doug Schemske) Title: *Functional Convergence and Divergence in Plant Communities Through Space and Time.*
- Department of Ecology and Evolutionary Biology, University of Arizona, October 2007.
Title: *Functional Convergence, Divergence and Co-Existence in a Neo-Tropical Dry Forest.*
- Center for Tropical Forest Science, Smithsonian Tropical Research Institute, Panama City, Panama, September 2007. (Host: Stuart Davies) Title: *Phylogenetic and Functional Diversity in Tropical Forest Plot Communities.*
- Ecological Society of America Annual Meeting, San Jose, California, August 2007. Title: *The Distribution and Diversity of Plant Function Across the New World.*
- El Verde Field Station, Institute for Tropical Ecosystem Studies, University of Puerto Rico, March 2007 (Host: Jill Thompson). Title: *Phylogenetic and Functional Diversity in Tropical Forest Plot Communities.*
- Laboratory of Tree-Ring Research, University of Arizona, March 2007 (Host: Troy Knight). Title: *Ecological and Evolutionary Determinants of a Key Plant Functional Trait: Wood Density and its Community-Wide Variation Across Latitude and Elevation.*
- Department of Ecology and Evolutionary Biology, University of Arizona, March 2007.
Title: *A Phylogenetic and Functional Assessment of Plant Assemblages Across Broad Gradients.*
- Department of Ecology and Evolutionary Biology, University of Arizona, April 2006. Title: *The Geographic Distribution and Evolutionary History of Wood Density.*
- Ecological Society of America Annual Meeting, Montreal, Quebec, August 2005. Title: *Phylogenetic Patterning and Spatial Scaling in Tropical Forest Plot Communities.*
- Southwestern Association of Biologists Annual Meeting, Portal, Arizona, October 2004.
Title: *Hotspots of Contact Zone Clustering.*
- Department of Ecology and Evolutionary Biology, University of Arizona, October 2004.
Title: *Do Suture Zones Exist?*
- Department of Biology, New Mexico State University, June 2004 (Thesis Defense). Title: *The Geography and Physiology of Hybridization, Hybrid Zones, and Species Range Boundaries.*
- Department of Geography, New Mexico State University, October 2003 (Host: Dr. Mike DeMers). Title: *Testing Macro-Evolutionary Theories with GIS.*

Working Groups & Workshops

- sDiv/iDiv (German Centre for Integrative Biodiversity Research), 2013, *Plant Trait-Environment Relationships Across the World's Biomes Working Group*

SESYNC (National Socio-Environmental Synthesis Center), 2012, *Macroevolution of Ecosystem Services Working Group*

iPlant Collaborative, 2010 - Present, *Botanical Geospatial Diversity Group*.

NESCent & ARC-NZ Research Network for Vegetation Function – Duke University, 2011-2013, *Tempo and Mode of Plant Trait Evolution: Synthesizing Data from Extant and Extinct Taxa*.

NCEAS - UC-Santa Barbara, 2009 - 2011, *A Synthesis of Patterns, Analysis, and Mechanisms of Beta-Diversity Along Ecological Gradients*.

Center for Tropical Forest Science, 2009, *Forest Dynamics Plot Data Analysis Workshop*.

NCEAS - UC-Santa Barbara, 2008 - 2010, *Developing an Integrated Botanical Information Network to Investigate the Ecological Impacts of Global Climate Change on Plant Biodiversity*.

Center for Tropical Forest Science, 2008 - Present, *Functional Trait Initiative*.

TRY Initiative, 2008 - Present, *Refining Plant Functional Classifications for Earth System Modeling*.

iPlant Collaborative - Biosphere2, 2008, *Grand Challenge Workshop: Mechanistic Basis of Plant Adaptation*.

NESCent & ARC-NZ Research Network for Vegetation Function – Duke University, 2007, *Wood Anatomy and Wood Density Working Group*.

Service & Outreach

Associate Editor: *Ecology Letters*, 2015 – Present.

Associate Editor: *Journal of Ecology*, 2012 – Present.

Specialty Chief Editor: *Functional Plant Ecology*, *Frontiers in Plant Science*, 2017 – Present.

Associate Editor: *Global Ecology and Biogeography*, 2015 – 2018.

Subject Editor: *Ecography*, 2011 – 2018.

Editorial Board: *PLoS One*, 2011 – 2013.

Peer Reviewer For: *American Journal of Botany*, *American Naturalist*, *Annals of Botany*, *Austral Ecology*, *Basic and Applied Ecology*, *Biogeosciences*, *Biological Conservation*, *Biotropica*, *Ecography*, *Ecological Entomology*, *Ecological Monographs*, *Ecology*, *Ecology Letters*, *Ecotropica*, *Evolution*, *Evolutionary Ecology*, *Evolutionary Ecology Research*, *Forest Ecology and Management*, *Functional Ecology*, *Functional Plant Biology*, *Global Ecology and Biogeography*, *Heredity*, *International Journal of Plant Sciences*, *Journal of Animal Ecology*, *Journal of Biogeography*, *Journal of Ecology*, *Journal of Evolutionary Biology*, *Journal of Heredity*, *Journal of Plant Ecology*, *Journal of Tropical Ecology*, *Journal of Vegetation Science*, *Methods in Ecology and Evolution*, *Molecular Ecology*, *Nature Communications*, *New Phytologist*, *New Zealand Journal of Botany*, *Oecologia*, *Oikos*, *PLoS One*, *Plant Ecology and Diversity*, *Plant Science*,

Proceedings of the National Academy of Sciences U.S.A., Proceedings of the Royal Society of London Series B, Science Advances, Systematic Biology, Theoretical Ecology, Trends in Ecology and Evolution. (reviewer for about 10-20 articles per year)

Book Reviewer For: *University of Chicago Press, Springer-Verlag*

Grant Panelist: *NSF Doctoral Dissertation Improvement Grants; NSF Graduate Research Fellowship Program, NSF Population and Community Ecology, NSF Dimensions of Biodiversity*

Grant Reviewer For: *Academy of Science of the Czech Republic, Austrian Science Fund, Australian Research Council, U.S. Department of Defense - SERDP, U.S. National Science Foundation, Netherlands Organisation for Scientific Research, Superior Council of the National Fund for Scientific and Technological Development – FONDECYT – Chilean Government Funding Body.*

Co-Editor, 2017, Special Feature in *Journal of Ecology*, “*Community transcriptomics, genomics and the problem of co-occurrence*”.

Co-Organizer, 2013, International Biogeography Society Meeting
Symposium: *Beyond Bergmann: New Perspectives on the Biogeography of Traits*, Miami, U.S.A.

Instructor and Organizer, 2017, SESYNC
Analytical Workshop, *Phylogenetic and Functional Analyses in Ecology*, Annapolis, Maryland.

Instructor and Organizer, 2017, Universidad Rey Juan Carlos
Analytical Workshop, *Phylogenetic and Functional Analyses in Ecology*, Madrid, Spain.

Instructor, 2013, Department of Biology, University of Maryland
Analytical Workshop, *Phylogenetic and Functional Analyses of Communities and Geographic Distributions*

Instructor and Organizer, 2012, National Dong Hwa University
Analytical Workshop, *Phylogenetic and Functional Analyses in Ecology*, Hualien, Taiwan.

Instructor and Organizer, 2010, Chinese Academy of Sciences – Institute of Botany
Analytical Workshop, *Using Phylogenetic Trees to Analyze Communities, Traits and Ranges*, Beijing, China.

Co-Organizer, 2010, Association for Tropical Biology and Conservation Annual Meeting
Symposium: *Phylogenetics in the tropics: building trees to understand community structure and tropical biodiversity*, Bali, Indonesia. Co-Organizers W. John Kress and Vinita Gowda.

Co-Organizer, 2004, Graduate Research and Arts Symposium, New Mexico State University.

Organization for Tropical Studies Representative, 2012 – Present, Michigan State University.
Seminar Committee Member, 2011 - 2015, Department of Plant Biology, Michigan State University

Graduate Committee Member, 2012 - 2015, Department of Plant Biology, Michigan State University

Faculty Search Committee Member, 2012-2013, 2013-2014, Department of Plant Biology, Michigan State University

Secretary and Publicist, 2003-2004, Graduate Student Council, New Mexico State University.

Vice President, 2003-2004, Biology Graduate Student Organization, New Mexico State University.

Judge, 2003, Annual Biology Symposium, New Mexico State University.

Teaching

Instructor, Principles of Ecology, 2016 – onward, University of Maryland.
 Instructor, R programming for Ecology and Evolution, 2017, University of Maryland
 Instructor, Grant Writing in Ecology and Evolution, 2016, University of Maryland
 Instructor, Plant Ecology, 2015, 2018, University of Maryland.
 Instructor, Tropical Biology, 2013, Michigan State University.
 Instructor, Introductory Biology, 2012, 2014, Michigan State University.
 Instructor, Plant Structure and Function Lecture and Lab, 2011, 2013, 2015, Michigan State University.
 Guest Faculty, Tropical Plant Systematics – Phylogenetic Analyses of Traits and Communities, 2008, Organization for Tropical Studies.
 Teaching Associate, Plant Form, Function and Diversity, 2007-2008, University of Arizona, Instructor: Dr. Brian Enquist
 Head Teaching Associate, Ecology, 2006-2008, University of Arizona, Instructor: Dr. Michael Rosenzweig
 Teaching Associate, Vertebrate Physiology, 2004, University of Arizona, Instructor: Dr. Kevin Bonine
 Teaching Assistant, Human Anatomy and Physiology, 2002, New Mexico State University, Instructor: Dr. Peter Houde

Postdoctoral Researchers

Dr. Yoshiko Iida, 2012 – 2015, Postdoctoral Research Associate, Japanese Society for the Promotion of Science Fellow. Currently, Staff Scientist Forest and Forest Products Research Institute of Japan.

Dr. Jeffrey L. Lake, 2010 – 2011, Postdoctoral Research Associate. Currently, Assistant Professor at Adrian College

Dr. Lingfeng Mao, 2013 – 2015, Postdoctoral Research Associate. Currently, Postdoctoral Fellow at the University of Alberta.

Dr. Uzay Sezen, 2017 – Present, Postdoctoral Research Associate with Dr. Sean McMahon (SERC) with Swenson Lab serving as a co-sponsor.

Dr. James C. Stegen, 2009 – 2011, NSF Postdoctoral Fellow in Bioinformatics, Laboratory of Allen Hurlbert – UNC Chapel Hill. Swenson (MSU) and Chase (Wash U) Labs served as co-sponsors. Currently, Staff Scientist Pacific Northwest National Lab.

Dr. Jenny Zambrano, 2015 – Present, Postdoctoral Research Associate, Recipient of SESYNC-LTER Postdoctoral Fellowship and British Ecological Society John Harper Prize.

Graduate & Undergraduate Students

Damani Eubanks, 2018 – Present, Ph.D. Student. Recipient of UMD Dean's Fellowship.

Shan Kothari, 2010 – 2014, Undergraduate Researcher in Swenson Lab (MSU). Recipient of

MSU Professional Assistantship, Goldwater Fellowship Honorable Mention, NSF GRFP Recipient. Currently, Ph.D. student in Ecology and Evolutionary Biology, University of Minnesota.

Boris Ngouajio, 2015 – 2018, Undergraduate Researcher in Swenson Lab (UMD). Currently, laboratory technician at Walter Reed National Military Medical Center.

Kristen Nolting, 2010 – 2014, M.Sc. Student, Recipient of a MSU Plant Sciences Fellowship, Currently, Ph.D. Student in Ecology and Evolutionary Biology, University of Connecticut.

Krittika Petprakob, 2015 – Present, Ph.D. Student. Recipient of UMD Dean's Fellowship and Royal Thai Graduate Research Fellowship.

Vanessa Rubio-Ramos, 2017 – Present, Ph.D. Student. Recipient of UMD Dean's Fellowship.

Kiri Staiger, 2016 – Present, Ph.D. Student. Recipient of UMD University Fellowship.

Dr. Maria Natalia Umana-Medina, 2012 – 2017, Ph.D. Student, Recipient of NSF DDIG award, Yale Institute for Biospheric Studies Postdoc Fellowship, Assistant Professor in Ecology and Evolutionary Biology at the University of Michigan beginning January 2019.

Samantha Worthy, 2016 – Present, Ph.D. Student, Recipient of UMD Dean's Fellowship.