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## CURRICULUM VITAE

Nicholas J. Gotelli

### PERSONAL INFORMATION

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### EDUCATION

Florida State University, 1982 - 1985; Ph.D., December 1985 Advisor: D. Simberloff

Florida State University 1980 - 1982; M.S. June 1982 Advisor: L.G. Abele

University of California, Berkeley, 1976 - 1980; B.A. 1980 Phi Beta Kappa

### POST-GRADUATE APPOINTMENTS

2000-present. Full Professor, Department of Biology, University of Vermont

2008-2010. Adjunct Professor, Xishuangbanna Tropical Botanical Garden,  
Chinese Academy of Sciences

1995 - 2000. Associate Professor, Department of Biology, University of Vermont

1992-1994. Assistant Professor, Department of Biology, University of Vermont

1988 - 1992. Assistant Professor, Department of Zoology, University of  
Oklahoma

1987 - 1988. Post-doctoral Associate, Department of Biology, Colorado State  
University

1985 - 1987. Lecturer, Department of Organismic and Evolutionary Biology,  
Harvard University

### RESEARCH INTERESTS

Community ecology

Responses of populations and communities to altered nutrient regimes

Biogeography and species distribution modeling

Demography and extinction risk

Null models and species co-occurrence patterns

### TEACHING INTERESTS

Theoretical, Community, Population, Experimental Ecology

Computational Biology

Ecological Modeling

## TEACHING/RESEARCH AWARDS

Elected Fellow, Ecological Society of America 2020  
University of Vermont Kroepsch-Maurice Award for Teaching Excellence 2018  
University of Vermont George H. Perkins Professorship of Zoology 2018  
Elected Member of Vermont Academy of Sciences & Engineering 2013  
University of Vermont University Scholar 2005  
University of Vermont Dean's Lecturer 1997  
Fulbright Fellow 1993

## PUBLICATIONS

Bibliometrics: Web of Science h-index: 73. Number of publications: 230; Total citation count: 28.337; Google Scholar h-index: 97; accessed 18 December 2024. [scholarqps.com](https://scholarqps.com) "Highly Ranked Scholar- Lifetime" rating of publication profile in All Disciplines, Life Sciences (top 0.05%).

2024

- Kling, M.M., C.T. Brittain, G.L. Galford, T.M. Waring, L. Hebert-Dufrense, M.P. Dube, H Sabzian, N.J. Gotelli, B.J. McGill and M.T. Niles. 2024. Innovations through crop switching happen on the diverse margins of US agriculture. **Proceedings of the National Academy of Sciences USA** e2402195121.
- Cagle, G.A., A. McGrew, B. Baiser, S. Record, N.J. Gotelli, D. Gravel, L.S. Bittleston, E.B. Young, S.M. Gray, and Z.B. Freedman. 2024. Dispersal limitation governs bacterial community assembly in the Northern Pitcher Plant (*Sarracenia purpurea*) at the continental scale. **Global Ecology and Biogeography** DOI10.1111/geb.13922.
- Ash, L.V., K.M. Campiao, C.P. Teixeira, and N.J. Gotelli. 2024. Ranavirus and helminth parasite co-infection in invasive American bullfrogs in the Atlantic forest, Brazil. **International Journal For Parasitology-Parasites and Wildlife** 23: DOI10.1016/j.ijppaw.2024.100924.
- Ulrich, W., N.J. Gotelli, G. Strona, and W. Godsoe. 2024. Reconsidering the Price equation: benchmarking the analytical power of additive partitioning in ecology. **Ecological Modelling** 491: DOI10.1016/j.ecolmodel.2024.110695.
- Campiao, K.M., J.A.D. Roico, G.D. Monteiro, L.V. Ash, C.P. Teixeira, and N.J. Gotelli. High prevalence and concomitant infection of Ranavirus and Eustrongylides sp. in the invasive American Bullfrog in Brazil. **Parasitology International** 100: DOI10.1016/j.parint.2024.102875.
- Blowes, S.A., B. McGill, V. Brambilla, C.F.Y. Chow, T. Engel, A. Fotrodona-Eslava, I.S. Martins, D. McGlinn, F. Moyes, A. Sagouis, H. Shimadzu, R. van Klink, W.B. Xui, N.J. Gotelli, A. Magurran, M. Dornelas, and J.M. Chase. 2024. Synthesis reveals approximately balanced biotic differentiation and homogenization. **Science Advances** 10: ead9395.
- Ulrich, W., S. Sfenthourakis, G. Strona, and N.J. Gotelli. 2024. 'Null model analyses are not adequate to summarise strong associations: Rebuttal

to Ulrich et al. (2022)' by Mainali & Slud (2023). **Journal of Biogeography** 51: 597-598.

2023

- Waring, T.M., M.T. Niles, M.M. Kling, S.N. Miller, L. Hebert-Dufrense, H. Sabzian, N.J. Gotelli, and B.J. McGill. 2023. Operationalizing cultural adaptation to climate change: contemporary examples from United States agriculture. **Philosophical Transactions Of The Royal Society B** 378: 20220397.
- Dornelas, M., J.M. Chase, N.J. Gotelli, A.E. Magurran, B.J. McGill, L.H. Antao, S.A. Blowes, G.N. Daskalova, B. Leung, I.S. Martins, F. Moyes, I.H. Myers-Smith, C.D. Thomas, and M. Vellend. 2023. Looking back on biodiversity change: lessons for the road ahead. **Philosophical Transactions Of The Royal Society B** 378: 20220199.
- Strona, G., C.J.A. Bradshaw, P. Cardoso, N.J. Gotelli, F. Guillaume, F. Manca, V. Mustonen, and L. Zaman. 2023. Time-travelling pathogens and their risk to ecological communities. **PLOS Computational Biology** 19: e1011268.
- Bourratt, P., W. Godsoe, P. Pillai, T.C. Gouhier, W. Ulrich, N.J. Gotelli, and M. Van Veelen. 2023. What is the price of using the Price equation in ecology? **Oikos** 2023: 2023-07-01.
- Booher, D.B., N.J. Gotelli, M.P. Nelsen, L. Ohyama, M. Deyrup, C.S. Moreau, and A.V. Saurez. 2023. Six decades of museum collections reveal disruption of native ant assemblages by introduced species. **Current Biology** 33: 2088-+.
- Xu, W.B., S.A. Blowes, V. Brambilla, C.F.Y. Chow, A. Fontrodona-Eslava, I.S. Martins, D. McGlinn, F. Moyes, A. Sagouis, H. Shimadzu, R. van Klink, A.E. Magurran, N.J. Gotelli, B.J. McGill, M. Dornelas, and J.M. Chase. 2023. Regional occupancy increases for widespread species but decreases for narrowly distributed species in metacommunity time series. **Nature Communications** 14: 1463.

2022

- Almeida-Gomes, M., N.J. Gotelli, C.F.D. Rocha, M.V. Vieira, and J.A. Prevedello. 2022. Random placement models explain species richness and dissimilarity of frog assemblages within Atlantic Forest fragments. **Journal of Animal Ecology** 91: 618-629.
- Blowes, S.A., G.N. Daskalova, M. Dornelas, T. Engel, N.J. Gotelli, A.E. Magurran, I.S. Martins, B. McGill, D.J. McGlinn, A. Sagouis, H. Shimadzu, S.R. Supp, and J.M. Chase. 2022. Local biodiversity change reflects interactions among changing abundance, evenness, and richness. **Ecology** 103:e3820.
- Engel, T. S.A. Blowes, D.J. McGlinn, N.J. Gotelli, B.J. McGill, and J.M. Chase. 2022. How does variation in total and relative abundance contribute to gradients of species diversity? **Ecology and Evolution** 2022:12e9196.
- Fraser, D., A. Villaseñor, A.B. Tóth, M.A. Balk, J.T. Eronen, W.A. Barr, A.K. Behrensmeyer, M. Davis, A. Du, J.T. Faith, G.R. Graves, N.J. Gotelli,

- A.M. Jukar, C.V. Looney, B.J. McGill, J.H. Miller, S. Pineda-Munoz, R. Potts, A.B. Shupinski, L.C. Soul, and K. Lyons. 2022. Late quaternary biotic homogenization of North American mammalian faunas. **Nature Communications** 13:3940.
- Gotelli, N.J., F. Moyes, L.H. Antão, S.A. Blowes, M. Dornelas, B.J. McGill, A. Penny, A.M. Schipper, H. Shimadzu, S.R. Supp, C.A. Waldock, and A.E. Magurran. 2022. Long-term changes in temperate marine fish assemblages are driven by a small subset of species. **Global Change Biology** 28:46-53.
- Hébert-Dufresne, L., T.M. Waring, G. St-Onge, M.T. Miles, L.K. Corlew, M.P. Dube, S.J. Miller, N.J. Gotelli, and B.J. McGill. 2022. Source-sink behavioural dynamics limit institutional evolution in a group-structured society. **Royal Society Open Science** 9: 211743.
- Jing, X., C.M. Prager, L. Chen, H. Chu, N.J. Gotelli, J.-S. He, Y. Shi, T. Yang, B. Zhu, A.T. Classen, and N.J. Sanders. 2022. The influence of aboveground and belowground species composition on spatial turnover in nutrient pools in alpine grasslands. **Global Ecology and Biogeography** 31: 486-500.
- Pett, L.A., S. Linde, and N.J. Gotelli. 2022. Midge larvae *Metriocnemus knabi* can emigrate to new pitchers within *Sarracenia purpurea* after pitcher drainage. **Northeastern Naturalist** 29: 335-341.
- Ulrich, W., S. Sfenthourakis, G. Strona, and N.J. Gotelli. 2022. Simple null model analysis subsumes a new species co-occurrence index: a comment on Mainali et al. (2022). **Journal of Biogeography** 49: 2321-2324.
- Ulrich, W., M.K. Zaplata, and N.J. Gotelli. 2022. Reconsidering the Price equation: a new partitioning based on species abundances and trait expression. **Oikos** 2022: e08871.

2021

- Ellison, A.M., N.J. Gotelli, L.A. Bledzki, and J.L. Butler. 2021. Regulation by the Pitcher Plant *Sarracenia purpurea* of the Structure of its Inquiline Food Web. **American Midland Naturalist** 186:1-15.
- Engel, T., S.A. Blowes, D.J. McGlinn, F. May, N.J. Gotelli, B.J. McGill, and J.M. Chase. 2021. Using coverage-based rarefaction to infer non-random species distributions. **Ecosphere** 12.
- Fitzgerald, J.L., K.L. Stuble, L.M. Nichols, S.E. Diamond, T.R. Wentworth, S.L. Pelini, N.J. Gotelli, N.J. Sanders, R.R. Dunn, and C.A. Penick. 2021. Abundance of spring- and winter-active arthropods declines with warming. **Ecosphere** 12.
- Fraser, D., L.C. Soul, A.B. Toth, M.A. Balk, J.T. Eronen, S. Pineda-Munoz, A.B. Shupinski, A. Villasenor, W.A. Barr, A.K. Behrensmeyer, A. Du, J.T. Faith, N.J. Gotelli, G.R. Graves, A.M. Jukar, C.V. Looy, J.H. Miller, R. Potts, and S.K. Lyons. 2021. Investigating Biotic Interactions in Deep Time. **Trends in Ecology & Evolution** 36:61-75.
- Freedman, Z.B., A. McGrew, B. Baiser, M. Besson, D. Gravel, T. Poisot, S. Record, L.B. Trotta, and N.J. Gotelli. 2021. Environment-host-microbial

- interactions shape the *Sarracenia purpurea* microbiome at the continental scale. **Ecology** 102.
- Gotelli, N.J., D.B. Booher, M.C. Urban, U.W. Ulrich, A.V. Saurez, D.K. Skelly, D.J. Russell, R.J. Rowe, M. Rothendler, N. Rios, S.M. Rehan, G. Ni, C.S. Moreau, A.E. Magurran, F.A.M. Jones, G.R. Graves, C. Fiera, U. Burkhardt, and R.B. Primack. 2021. Estimating species relative abundances from museum records. **Methods in Ecology & Evolution** 00:1-13.
- Jing, X., C.M. Prager, E.T. Borer, N.J. Gotelli, D.S. Gruner, J.-S. He, K. Kirkman, A.S. MacDougall, R.L. McCulley, S.M. Prober, E.W. Seabloom, C.J. Stevens, A.T. Classen, and N.J. Sanders. 2021. Spatial turnover of multiple ecosystem functions is more associated with plant than soil microbial beta-diversity. **Ecosphere** 12.
- McGlinn, D.J., T. Engel, S.A. Blowes, N.J. Gotelli, T.M. Knight, B.J. McGill, N.J. Sanders, and J.M. Chase. 2021. A multiscale framework for disentangling the roles of evenness, density, and aggregation on diversity gradients. **Ecology** 102.
- Northrop, A.C., V. Avalone, A.M. Ellison, B.A. Ballif, and N.J. Gotelli. 2021. Clockwise and counterclockwise hysteresis characterize state changes in the same aquatic ecosystem. **Ecology Letters** 24:94-101.
- Pineda-Munoz, S., A.M. Jukar, A.B. Toth, D. Fraser, A. Du, W.A. Barr, K.L. Amatangelo, M.A. Balk, A.K. Behrensmeyer, J. Blois, M. Davis, J.T. Eronen, N.J. Gotelli, C. Looy, J.H. Miller, A.B. Shupinski, L.C. Soul, A. Villasenor, S. Wing, and S.K. Lyons. 2021. Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. **Ecography** 44:56-66.
- Vaughan, I.P., and N.J. Gotelli. 2021. Using Climatic Credits to Pay the Climatic Debt. **Trends in Ecology & Evolution** 36:104-112.
- 2020
- Blowes, S. A., J. M Chase, A. Di Franco, O. Frid, N. J. Gotelli, P. Guidetti, T. M. Knight, F. May, D. J. McGlinn, F. Micheli, E. Sala, and J. Belmaker. 2020. Mediterranean marine protected areas have higher biodiversity via increased evenness, not abundance. **Journal of Applied Ecology** 57:578-589.
- 2019
- Chao, A., R. K. Colwell, N. J. Gotelli, and S. Thorn. 2019. Proportional mixture of two rarefaction/extrapolation curves to forecast biodiversity changes under landscape transformation. **Ecology Letters** 22:1913-1922.
- Dornelas, M., N. J. Gotelli, H. Shimadzu, F. Moyes, A. E. Magurran, and B. J. McGill. 2019. A balance of winners and losers in the Anthropocene. **Ecology Letters** 22:847-854.
- Lau, M. K., A. M. Ellison, A. Nguyen, C. Penick, B. DeMarcos, N. J. Gotelli, N. J. Sanders, R. R. Dunn, and S. H. Cahan. 2019. Draft *Aphaenogaster*

- genomes expand our view of ant genome size variation across climate gradients. **Peerj** 7.
- Ma, Z. S., L. W. Li, and N. J. Gotelli. 2019. Diversity-disease relationships and shared species analyses for human microbiome-associated diseases. **ISME Journal** 13:1911-1919.
- McGlinn, D. J., X. Xiao, F. May, N. J. Gotelli, T. Engel, S. A. Blowes, T. M. Knight, O. Purschke, J. M. Chase, and B. J. McGill. 2019. Measurement of Biodiversity (MoB): A method to separate the scale-dependent effects of species abundance distribution, density, and aggregation on diversity change. **Methods in Ecology and Evolution** 10:258-269.
- Nguyen, A. D., M. Brown, J. Zitnay, S. H. Cahan, N. J. Gotelli, A. Arnett, and A. M. Ellison. 2019. Trade-Offs in Cold Resistance at the Northern Range Edge of the Common Woodland Ant *Aphaenogaster picea* (Formicidae). **American Naturalist** 194: E151-E163.
- Toth, A. B., S. K. Lyons, W. A. Barr, A. K. Behrensmeyer, J. L. Blois, R. Bobe, M. Davis, A. Du, J. T. Eronen, J. T. Faith, D. Fraser, N. J. Gotelli, G. R. Graves, A. M. Jukar, J. H. Miller, S. Pineda-Munoz, L. C. Soul, A. Villasenor, and J. Alroy. 2019. Reorganization of surviving mammal communities after the end-Pleistocene megafaunal extinction. **Science** 365:1305-+.
- Ulrich, W., R. Puchalka, M. Koprowski, G. Strona, and N. J. Gotelli. 2019. Ecological drift and competitive interactions predict unique patterns in temporal fluctuations of population size. **Ecology** 100.
- Vaughan, I. P., and N. J. Gotelli. 2019. Water quality improvements offset the climatic debt for stream macroinvertebrates over twenty years. **Nature Communications** 10.
- 2018
- Chase, J.M., B.J. McGill, D.J. McGlinn, F. May, S.A. Blowes, X. Xiao, T.M. Knight, O. Purschke, and N.J. Gotelli. 2018. Embracing scale-dependence to achieve a deeper understanding of biodiversity and its change across communities. **Ecology Letters** 21:1737-1751.
- D'Amen, M., H.K. Mod, N.J. Gotelli, and A. Guisan. 2018. Disentangling biotic interactions, environmental filters, and dispersal limitation as drivers of species co-occurrence. **Ecography** 41:1233-1244.
- Lau, M.K., B. Baiser, A. Northrop, N.J. Gotelli, and A.M. Ellison. 2018. Regime shifts and hysteresis in the pitcher-plant microecosystem. **Ecological Modelling** 382:1-8.
- Strona, G., W. Ulrich, and N.J. Gotelli. 2018. Bi-dimensional null model analysis of presence-absence binary matrices. **Ecology** 99:103-115.
- Ulrich, W., Y. Kubota, B. Kusumoto, A. Baselga, H. Tuomisto, and N.J. Gotelli. 2018a. Species richness correlates of raw and standardized co-occurrence metrics. **Global Ecology and Biogeography** 27:395-399.
- Ulrich, W., Y. Kubota, A. Piernik, and N.J. Gotelli. 2018b. Functional traits and environmental characteristics drive the degree of competitive intransitivity

- in European saltmarsh plant communities. **Journal of Ecology** 106:865-876.
- Vaughan, I. P., N.J. Gotelli, J. Memmott, C.E. Pearson, G. Woodward, and W.O.C. Symondson. 2018. econullnetr: An R package using null models to analyse the structure of ecological networks and identify resource selection. **Methods in Ecology and Evolution** 9:728-733.
- 2017
- Cahan, S.H., A.D. Nguyen, J. Stanton-Geddes, C.A. Penick, Y. Hernaiz-Hernandez, B.B. DeMarco, and N.J. Gotelli. 2017. Modulation of the heat shock response is associated with acclimation to novel temperatures but not adaptation to climatic variation in the ants *Aphaenogaster picea* and *A. rudis*. **Comparative Biochemistry and Physiology a-Molecular & Integrative Physiology** 204:113-120.
- Chao, A., C.H. Chiu, R.K. Colwell, L.F.S. Magnago, R.L. Chazdon, and N.J. Gotelli. 2017. Deciphering the enigma of undetected species, phylogenetic, and functional diversity based on Good-Turing theory. **Ecology** 98:2914-2929.
- Dambros, C.S., J.W. Morais, R.A. Azevedo, and N.J. Gotelli. 2017. Isolation by distance, not rivers, control the distribution of termite species in the Amazonian rain forest. **Ecography** 40:1242-1250.
- Diamond, S.E., L. Chick, C.A. Penick, L.M. Nichols, S.H. Cahan, R.R. Dunn, A.M. Ellison, N.J. Sanders, and N.J. Gotelli. 2017. Heat tolerance predicts the importance of species interaction effects as the climate changes. **Integrative and Comparative Biology** 57:112-120.
- Gibb, H., R.R. Dunn, N.J. Sanders, B.F. Grossman, M. Photakis, S. Abril, D. Agosti, A.N. Andersen, E. Angulo, I. Armbrrecht, X. Arnan, F.B. Baccaro, T.R. Bishop, R. Boulay, C. Bruhl, C. Castracani, X. Cerda, I. Del Toro, T. Delsinne, M. Diaz, D.A. Donoso, A.M. Ellison, M.L. Enriquez, T.M. Fayle, D.H. Feener, B.L. Fisher, R.N. Fisher, M.C. Fitzpatrick, C. Gomez, N.J. Gotelli, A. Gove, D.A. Grasso, S. Groc, B. Guenard, N. Gunawardene, B. Heterick, B. Hoffmann, M. Janda, C. Jenkins, M. Kaspari, P. Klimes, L. Lach, T. Laeger, J. Lattke, M. Leponce, J.P. Lessard, J. Longino, A. Lucky, S.H. Luke, J. Majer, T.P. McGlynn, S. Menke, D. Mezger, A. Mori, J. Moses, T.C. Munyai, R. Pacheco, O. Paknia, J. Pearce-Duvet, M. Pfeiffer, S.M. Philpott, J. Resasco, J. Retana, R.R. Silva, M.D. Sorger, J. Souza, A. Suarez, M. Tista, H.L. Vasconcelos, M. Vonshak, M.D. Weiser, M. Yates, and C.L. Parr. 2017. A global database of ant species abundances. **Ecology** 98:883-884.
- Gotelli, N.J., H. Shimadzu, M. Dornelas, B. McGill, F. Moyes, and A.E. Magurran. 2017. Community-level regulation of temporal trends in biodiversity. **Science Advances** 3.
- Gross, N., Y. Le Bagousse-Pinguet, P. Liancourt, M. Berdugo, N.J. Gotelli, and F.T. Maestre. 2017. Functional trait diversity maximizes ecosystem multifunctionality. **Nature Ecology & Evolution** 1.

- Lau, M.K., S.R. Borrett, B. Baiser, N.J. Gotelli, and A.M. Ellison. 2017. Ecological network metrics: opportunities for synthesis. **Ecosphere** 8.
- Nguyen, A.D., K. DeNovellis, S. Resendez, J.D. Pustilnik, N.J. Gotelli, J.D. Parker, and S.H. Cahan. 2017. Effects of desiccation and starvation on thermal tolerance and the heat-shock response in forest ants. **Journal of Comparative Physiology B-Biochemical Systemic and Environmental Physiology** 187:1107-1116.
- Northrop, A.C., R.K. Brooks, A.M. Ellison, N.J. Gotelli, and B.A. Ballif. 2017. Environmental proteomics reveals taxonomic and functional changes in an enriched aquatic ecosystem. **Ecosphere** 8.
- Ulrich, W., F. Jabot, and N.J. Gotelli. 2017a. Competitive interactions change the pattern of species co-occurrences under neutral dispersal. **Oikos** 126:91-100.
- Ulrich, W., W. Kryszewski, P. Sewerniak, R. Puchalka, G. Strona, and N.J. Gotelli. 2017b. A comprehensive framework for the study of species co-occurrences, nestedness and turnover. **Oikos** 126:1607-1616.
- Vellend, M., M. Dornelas, L. Baeten, R. Beausejour, C.D. Brown, P. De Frenne, S.C. Elmendorf, N.J. Gotelli, F. Moyes, I.H. Myers-Smith, A.E. Magurran, B.J. McGill, H. Shimadzu, and C. Sievers. 2017. Estimates of local biodiversity change over time stand up to scrutiny. **Ecology** 98:583-590.

## 2016

- Agnarsson, I., N.J. Gotelli, D. Agostini, and M. Kuntner. 2016. Limited role of character displacement in the coexistence of congeneric *Anelosimus* spiders in a Madagascan montane forest. **Ecography** 39:743-753.
- Colwell, R.K., N.J. Gotelli, L.A. Ashton, J. Beck, G. Brehm, T.M. Fayle, K. Fiedler, M.L. Forister, M. Kessler, R.L. Kitching, P. Klimes, J. Kluge, J.T. Longino, S.C. Maunsell, C.M. McCain, J. Moses, S. Noben, K. Sam, L. Sam, A.M. Shapiro, X.P. Wang, and V. Novotny. 2016. Midpoint attractors and species richness: Modelling the interaction between environmental drivers and geometric constraints. **Ecology Letters** 19:1009-1022.
- Dambros, C.S., J.W. Morais, A. Vasconcellos, J.L.P. Souza, E. Franklin, and N.J. Gotelli. 2016. Association of ant predators and edaphic conditions with termite diversity in an Amazonian rain forest. **Biotropica** 48:237-245.
- Diamond, S.E., L.M. Nichols, S. L. Pelini, C.A. Penick, G.W. Barber, S.H. Cahan, R.R. Dunn, A.M. Ellison, N.J. Sanders, and N.J. Gotelli. 2016. Climatic warming destabilizes forest ant communities. **Science Advances** 2.
- Lyons, S.K., K.L. Amatangelo, A.K. Behrensmeyer, A. Bercovici, J.L. Blois, M. Davis, W.A. DiMichele, A. Du, J.T. Eronen, J.T. Faith, G.R. Graves, N. Jud, C. Labandeira, C.M. Looy, B. McGill, J.H. Miller, D. Patterson, S. Pineda-Munoz, R. Potts, B. Riddle, R. Terry, A. Toth, W. Ulrich, A. Villasenor, S. Wing, H. Anderson, J. Anderson, D. Waller, and N.J. Gotelli. 2016. Holocene shifts in the assembly of plant and animal communities implicate human impacts. **Nature** 529:80-83.
- Lyons, S.K., J.H. Miller, K.L. Amatangel, A.K. Behrensmeyer, A. Bercovici, J.L. Blois, M. Davis, W. DiMichele, A. Du, J.T. Eronen, J.T. Faith, G.R. Graves,

- N. Jud, C. Labandeira, C.V. Looy, B. McGill, D. Patterson, S. Pineda-Munoz, R. Potts, B. Riddle, R. Terry, A. Toth, W. Ulrich, A. Villasenor, S. Wing, H. Anderson, J. Anderson, and N.J. Gotelli. 2016b. How foreign is the past? Reply. **Nature** 538:E3-E4.
- Nguyen, A.D., N.J. Gotelli, and S.H. Cahan. 2016. The evolution of heat shock protein sequences, cis-regulatory elements, and expression profiles in the eusocial Hymenoptera. **BMC Evolutionary Biology** 16.
- Prevedello, J.A., N.J. Gotelli, and J.P. Metzger. 2016. A stochastic model for landscape patterns of biodiversity. **Ecological Monographs** 86:462-479.
- Stanton-Geddes, J., A. Nguyen, L. Chick, J. Vincent, M. Vangala, R.R. Dunn, A.M. Ellison, N.J. Sanders, N.J. Gotelli, and S.H. Cahan. 2016. Thermal reactionomes reveal divergent responses to thermal extremes in warm and cool-climate ant species. **BMC Genomics** 17.
- Ulrich, W., M.K. Zaplata, S. Winter, W. Schaaf, A. Fischer, S. Soliveres, and N.J. Gotelli. 2016. Species interactions and random dispersal rather than habitat filtering drive community assembly during early plant succession. **Oikos** 125:698-707.
- 2015
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- Gotelli, N.J. 1991. Metapopulation models: the propagule rain, the rescue effect, and the core-satellite hypothesis. **The American Naturalist** 138: 768-776.
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- Gotelli, N.J. and W.H. Bossert. 1991. Ecological character displacement in a variable environment. **Theoretical Population Biology** 39: 49-62.
- Gotelli, N.J. and M. Pyron. 1991. Life history variation in North American freshwater minnows: effects of latitude and phylogeny. **Oikos** 62: 30-40.
- Gotelli, N.J. 1990. Stochastic models of gregarious larval settlement. **Ophelia** 32: 95-108.

Gotelli, N.J. and G.R. Graves. 1990. Body size and the occurrence of avian species on land-bridge islands. **Journal of Biogeography** 17: 315-325.

1980s

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- Young, C.M. and N.J. Gotelli. 1988. Larval predation by barnacles: effects on patch colonization in a shallow subtidal community. **Ecology** 69: 624-634.
- Gotelli, N.J. and D. Simberloff. 1987. The distribution and abundance of tallgrass prairie plants: a test of the core-satellite hypothesis. **The American Naturalist** 130: 18-35.
- Gotelli, N.J. 1987. Spatial and temporal patterns of reproduction, larval settlement, and recruitment of the compound ascidian *Aplidium stellatum*. **Marine Biology** 94: 45-51.
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- Gotelli, N.J., S.L. Gilchrist, and L.G. Abele. 1985. The population biology of *Trapezia* spp. and other coral-associated decapods. **Marine Ecology Progress Series** 21: 89-98.
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#### BOOK CHAPTERS

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#### AUTHORED BOOKS

- Ellison, A.M. and N.J. Gotelli. 2021. *Scaling in Ecology with a Model System*. Princeton Monographs in Population Biology 64. Princeton University Press, Princeton, NJ.
- Ellison, A.M., N.J. Gotelli, E.J. Farnsworth, G.D. Alpert. 2012. **A Field Guide To The Ants Of New England**. Yale University Press, New Haven, CT.
- Gotelli, N.J. and A.M. Ellison. 2012. **A Primer of Ecological Statistics**. 2<sup>nd</sup>. Edition. Sinauer Associates, Inc. [translated into Portuguese and Chinese]
- Gotelli, N.J. 2008. **A Primer of Ecology**. Sinauer Associates, Inc., Sunderland, MA. 4<sup>th</sup> edition. [used by > 50,000 students at > 100 colleges and universities; translated into Portuguese and Chinese]
- Gotelli, N.J. and G.R. Graves. 1996. **Null Models in Ecology**. Smithsonian Institution Press, Washington, D.C.

#### SOFTWARE

- Gotelli, N.J. E.M. Hart, and A.M. Ellison. 2014. EcoSimR, 0.1.0. **Null Model Analysis for Ecological Data** (R package).  
<https://github.com/GotelliLab/EcoSimR>
- Gotelli, N.J., G.L. Entsminger, C. Rahbek, R.K. Colwell, and G.R. Graves 2007. **BioGeoSim: Biogeography software for ecologists. Version 1.0**. Acquired Intelligence, Inc., Kesey-Bear.
- Gotelli, N.J. and G.L. Entsminger. 2000. **EcoSim. Null Models Software for Ecology**. Acquired Intelligence, Inc., Kesey-Bear.

#### BOOK REVIEWS, COMMENTARIES, & SCIENCE FICTION

- Gotelli, N.J. 2009. How to respond to requests to debate creationists. (submitted by P.Z. Myers). **American Atheist** 47: 10-11.
- Farnsworth, E., A. M. Ellison, and N. J. Gotelli. 2009. EvoSoap. **Nature** 458:938-938.
- Hochberg, M.E., J.M. Chase, N.J. Gotelli, A. Hastings, and S. Naeem. 2009. The tragedy of the reviewer commons. **Ecology Letters** 12: 2-4.
- Gotelli, N.J. 2008. Perspectives in biogeography: Hypothesis testing, curve fitting, and data mining in macroecology. **International Biogeography Society Newsletter** 6: 1-7.
- Hochberg, M.E. and N.J. Gotelli. 2005. An invasions special issue. **TREE** 20: 211.
- Taper, M.L. and S.R. Lele (eds). 2005. *The nature of scientific evidence: statistical, philosophical, and empirical considerations*. **EcoScience** 12: 149-150.
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- Reserits, W.J., Jr., and J. Bernardo. 1999. *Experimental ecology: issues and perspectives*. **Bioscience** 49: 829-830.
- Maurer, B.A. 1999. *Untangling ecological complexity: the macroscopic perspective*. **American Zoologist** 24.
- den Boer, P.J. and J. Reddingius. 1998. *Regulation and stabilization paradigms in population ecology*. **Ecology** 79: 354-355.
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- Perrins, C.M., J.-D. Lebreton, and G.J.M. Hirons (eds). 1991. *Bird population studies: relevance to conservation and management*. **Ecology** 73: 1931-1932.
- Bakus, G. 1990. *Quantitative ecology and marine biology*. **Quarterly Review of Biology** 67: 382.

#### EXTERNAL FUNDING

- 2020-2024. National Science Foundation. RII Track-2 FEC: Harnessing Spatiotemporal Data Science to Predict Responses of Biodiversity and Rural Communities under Climate Change. \$1,998,290.00. Co-PI: Brian McGill, University of Maine.
- 2013-2020. National Science Foundation. Research Coordination Network: RCN: Synthesizing deep time and recent community ecology. \$400,000. Co-PIs: Sara Lyons, Kay Behrensmeyer, Smithsonian Institution.
- 2011-2016. National Science Foundation. Tipping points in ecological communities and proteomic diversity. NSF. \$350,000. Co-PIs Aaron Ellison, Bryan Ballif
- 2012-2015. National Science Foundation. Dimensions in Biodiversity: Collaborative Research: The climate cascade: functional and evolutionary consequences of climatic change on species, trait, and genetic diversity in a temperate ant community. (Total award: \$1,997,320. UVM component: \$687,559; UVM Biology Co-PIs: Sara Helms Cahan, Bryan Ballif)
- 2009-2011. National Science Foundation. 0909359. Dissertation Research: Evolutionary Responses of Daphnia to Climate Change in Vernal Ponds. \$10,000. Co-PI, Ted Hart.
- 2008-2011. Department of Energy. Impacts of elevated temperature on ant species, communities and ecological roles at two temperate forests in eastern North America. (UVM Component \$383,778). Co-PIs Rob Dunn, Nate Sanders, Aaron Ellison.

- 2006-2010. National Science Foundation. Moths, ants, and carnivorous plants: the spatial dimension of species interactions. \$645,000. UVM component: \$60,000. Co-PI Aaron Ellison.
- 2006-2008. National Center for Ecological Analysis and Synthesis (NCEAS). Working Group: Modeling Species Richness. Co-PIs Robert Colwell, Carsten Rahbek
- 2003-2006. National Science Foundation. Effects of nutrient stress on a co-evolved food web. \$350,000. UVM component: \$26,000. Co-PI, Aaron Ellison.
- 2003-2004. National Science Foundation. SGER: RUI: Collaborative. Mechanisms of community re-assembly after a catastrophic fire. \$100,000. UVM component: \$13,000. Co-PIs: Nate Sanders, Eric Jules, Aaron Ellison.
- 2000-2002. National Science Foundation (Education and Human Resources). Development of a multidisciplinary research culture in environmental science and engineering at the University of Vermont. \$300,000. Co-PI, Chris Allen.
- 2000-2002. National Science Foundation. Biocomplexity Incubation Activity: A synthetic approach to phytotelmata communities. \$92,034. Co-PIs: Tom Miller, Aaron Ellison.
- 2001-2004. National Science Foundation. EcoSim: Null models software for ecologists. \$282,000.
- 2000-2002. Environmental Protection Agency. The role of natural vs. anthropogenic factors in assessing ecological risk in agricultural watersheds. \$537,266. Co-PIs Mary Watzin, Jim Hoffmann.
- 1998-2003. National Science Foundation. Inquiline communities in changeable pitchers: do nutrients link community assembly to dynamic habitats? \$200,000. UVM component \$50,000. Co-PI Aaron Ellison.
- 1998-2000. National Science Foundation. EcoSim: Null models software for ecologists. \$232,000.
- 1997-1999. National Science Foundation. DEB-9615708. Behavioral strategies of sit-and-wait foragers: models of ant lion foraging. \$110,000. Co-PI, N. Buckley.
- 1997-1998. National Science Foundation. DEB-9615708. Dissertation Research: Geographic variation in life history traits of the ant lion, *Myrmeleon immaculatus*. \$8000. Co-PI, Amy Arnett.
- 1996-1997. National Science Foundation. BIR-9612109. EcoSim: A Proposal for Null Models Software. \$50,000.
1993. Fulbright Foundation. The Evolution of Altered Host Behavior. Research Award, University of Oxford, Great Britain.
- 1992-1995. National Science Foundation BSR-9118962. Antlion Zones: Consequences of High-Density Predator Aggregations. \$144,000.
- 1989-1991. National Science Foundation BSR-8817495. The Evolution of Altered Behaviors in Parasitized Animals: A Cockroach-Acanthocephalan Model. \$81,000. Co-Pi with J. Moore.

INVITED SEMINARS, PLENARY TALKS, SYMPOSIA, WORKSHOPS  
 Lakehead University, Department of Biology, February 2023 (virtual)  
 University of Florida, Department of Biology, April 2022 (virtual)  
 University of St. Andrews, Centre For Biological Diversity, October 2021 (virtual)  
 University of Illinois, Urbana-Champaign, October 2021 (virtual)  
 Complex Systems Workshop, Vienna Austria March 2020 (cancelled)  
 University of Illinois, Urbana-Champaign April 2020 (cancelled)  
 Ralph Yerger Distinguished Alumni Lectureship, Florida State University,  
 November 2020 (virtual)  
 Northern Vermont University – Johnson, Johnson, September 2019  
 Rutgers Camden University, Camden, April 2019  
 College of Charleston, Charleston, April 2019  
 Bowling Green State University, Pavakarnis-Buchanan Endowed Lecture,  
 Bowling Green, April 2019  
 III International Ecology Conference, Foz Igacu, Brazil (keynote speaker)  
 September 2018  
 University of Vermont, Department of Geology, January 2017  
 Ecological Society of America, Statistical Symposium, Portland, 2017  
 University of Sherbrooke, Department of Biology, October 2017  
 University of Vermont, Department of Plant Biology, Burlington, September 2016  
 Ecological Society of America, Temporal Diversity Symposium, Baltimore,  
 August 2016  
 Oregon Institute of Marine Biology, Charleston, May 2016  
 Auburn University, Auburn, April 2016  
 Kent State University, Akron, March 2016  
 NIMBIOS workshop, Pollen Reconstruction, Knoxville, November 2015  
 University of Vermont, Rubenstein School Of Natural Resources, October 2015  
 University of St. Andrews, Scotland, School of Biology, June 2015  
 Biodiversity Workshop, German Center For Biodiversity Research (iDiv), Leipzig  
 June 2015  
 Eilat, Coral Reef Fish Ecology Workshop, December 2014  
 University of Montana, Missoula, October 2014  
 Vermont Institute of Natural Science, Queechee, May 2014  
 Plenary Speaker, International Statistical Ecology Conference “The Well-  
 Tempered Assemblage: Reducing Bias in the Estimation of Species Rank  
 Abundance Distributions”, Montpellier, France, August 2014  
 Plenary Speaker, International Biogeography Society, “The Geography Of  
 Species Associations”, Montreal, November 2013  
 National Ecological Observatory Network (NEON), Boulder, 2013  
 University of Colorado, Boulder, October 2013  
 Ceske Budjovice, Altitudinal Gradients Workshop August 2013  
 Paul Smith’s College, Brighton, April 2013  
 Harvard Forest, Petersham, March 2013  
 Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Brazil, November  
 2012 (2 seminars)  
 University of St. Andrews, Scotland, School of Biology, May 2012

University of St. Andrews, Scotland, The Centre for Research into Ecological and  
 Environmental Modelling (CREEM), May 2012  
 Utah State University, Ecology Center, April 2012 (2 seminars)  
 University of Massachusetts, Amherst, April 2011  
 Michigan State University, Lansing, April 2011  
 Louisiana State University, Baton Rouge, March 2011  
 Plenary Speaker, Biology Symposium,. Universidad Autonoma Metropolitana,  
 Mexico City, February 2011  
 Royal Society, Kavli Institute, London, October 2010  
 Royal Society, "Biodiversity in a Changing World", London, October 2010  
 Cornell University, Ithaca, March 2010  
 Boston University, Boston, February 2010  
 University of Central Florida, Orlando, January 2010  
 NIMBioS Binary Matrices Workshop, Knoxville, December 2009  
 Plenary Speaker, International Symposium on Quantitative Ecology &  
 2nd Taiwan-Japan Ecology Workshop, Taipei, October 2009  
 Universidad Rey Juan Carlos, Mostoles, June 2009  
 NIMBioS Binary Matrices Workshop, Knoxville, May 2009  
 University of Vermont, Burlington November 2008  
 Plenary Speaker, 18<sup>th</sup> Italian Ecological Congress, Parma, September 2008  
 Xishuangbanna Tropical Botanical Garden, May 2008  
 Chinese Academy of Sciences, Kunming, May 2008  
 University of Rhode Island, Providence, April 2008  
 Plenary Speaker, 9<sup>th</sup> Ecological Integration Symposium, Texas A & M, College  
 Station, March 2008  
 Duke University, Durham, September 2007  
 Bowdoin College, Brunswick, September 2007  
 University of Arizona, Tucson, April 2007  
 Iowa State University, Ames, April 2007  
 Dartmouth College, Hanover, February 2007  
 Plenary Speaker: Macroecology Symposium, Institute For Climate Research,  
 Potsdam, Germany, August 2006  
 ESA Symposium, Assembly Rules, Memphis, August 2006  
 NorthWoods Stewardship Center, East Charleston, May 2006  
 University of Tennessee, Knoxville, April 2006  
 University of Colorado, Boulder, March 2006  
 University of Nevada, Reno, December 2005  
 University of Uppsala, Sweden, April 2005  
 University of California, Davis, January 2005  
 Yale University, New Haven, January 2005  
 University of North Carolina, Chapel Hill, December 2004  
 McGill University, Montreal, November 2004  
 University of Montreal, Montreal, April 2004  
 University of Mississippi, Starkeville, April 2004  
 Yale University, New Haven, January 2004  
 NSF Workshop: Statistical methods for ecologists, Jackson, December 2003

Plenary Speaker, Venezuelan Ecological Society, Margarita, October 2003  
 University of Connecticut, Storrs, April 2003  
 Wake Forest University, January 2003  
 Williams College, MA, November 2002  
 University of Quebec, Trois Riveries, October 2002  
 NCEAS Working Group: Productivity-diversity relationships, Santa Barbara,  
 August 2002  
 Utah State University, Logan, November 2001  
 University of Washington, Seattle, May 2001  
 Cornell University, Ithaca, April 2001  
 Modeling Workshop, Oregon State University, Corvallis March 2001  
 Texas A & M, Arlington, March 2001  
 Biocomplexity Workshop, Tallahassee, January 2001  
 University of Delaware, December 2000  
 NCEAS Workshop, Biogeography, September 2000  
 ESA Symposium, Snowbird, Carnivorous Plants, August 2000  
 University of Toronto, Toronto, April 2000  
 University of California, Santa Barbara, January 2000  
 Catholica University, Santiago, Chile November 1999  
 Las Cruces Marine Laboratory, Las Cruces, Chile, November 1999  
 Plenary Speaker: Chilean Biological Society Symposium, Santiago, Chile  
 November 1999  
 University of Wisconsin, Madison, October 1999  
 Middlebury College, Middlebury, September 1999  
 University of Nebraska, Lincoln, April 1999  
 Complex Systems Conference, Nashua, NH, October 1998  
 Endangered Species Conference, McGill University, October 1998  
 University of Minnesota, Duluth, September 1998  
 INTECOL Symposium, Florence, Species Interactions, July 1998  
 McGill University, Montreal, March 1998  
 SUNY Stony Brook, New York, December 1997  
 Florida State University, Tallahassee, May 1997  
 University of California, Santa Cruz, April 1997  
 University of California, Davis, April 1997  
 University of New Hampshire, Portsmouth, March 1997  
 Tufts University, Medford, February 1997  
 University of Missouri, St. Louis, January 1997  
 Rocky Mountain Biological Laboratory, August 1996  
 Bodega Bay Marine Laboratory, June 1996  
 Mt. Holyoke College, Holyoke, April 1996  
 University of Maryland, Baltimore, March 1996  
 University of Southwestern Louisiana, Lafayette, November 1994  
 University of Connecticut, Storrs, October 1994  
 University of Oxford, May 1993  
 University of Oxford, April 1993  
 University of Oxford, March 1993

Imperial College, Silwood Park, April 1993  
University of Vermont, Burlington, February 1993  
NSF Symposium, Nested Subsets, Chicago Field Museum, April 1992  
University of Vermont, Burlington, March 1992  
Entomological Society of America, Baltimore, December 1992  
University of Michigan, December 1991  
University of Kansas, November 1991  
Los Angeles County Museum of Natural History, May 1991  
Scripps Institute of Oceanography, May 1991  
New Mexico State University, April 1991  
Entomological Society of America, New Orleans, December 1990  
University of California, Berkeley, December 1990  
ESA Symposium, Snowbird, Host-Parasite Ecology, August 1990  
University of Arkansas, Fayetteville, September 1989  
Harvard University, Cambridge, March 1989  
Harbor Branch Oceanographic Institute, Ft. Pierce, February 1989  
University of Oklahoma, Norman, March 1988, March 1991  
Louisiana State University, Baton Rouge, February 1988  
San Jose State University, San Jose, February 1988  
Colorado State University, Ft. Collins, October 1987  
Colorado State University, Ft. Collins, March 1987  
Boston University, Boston, September 1986  
Wood's Hole Oceanographic Institution, Woods Hole, June 1986  
Harvard University, Cambridge, May 1986  
The Nature Conservancy, Boston, January 1986  
Northeastern University, Nahant, December 1985  
Harvard University, Cambridge, November 1985  
Hopkins Marine Station, June 1983  
University of California, Berkeley, June 1983  
Florida State University, Tallahassee, September 1982  
University of California, Berkeley, December 1981

#### EDITORSHIPS AND MAJOR COMMITTEES

Associate Editor-In-Chief, Ecology (2015 – present)  
Board of Editors, Ecology (2001 – present)  
Board of Editors, Myrmecological News (2010 – present)

Board of Editors, Axios (2013 – 2017)  
Deputy Editor-In-Chief, Journal of Biogeography (2010 – 2015)  
Board of Editors, Scientific Reports (2010 – 2012)  
E.O. Wilson Award Committee Chair, ASN (2003-2005)  
Local Hosting Committee ESA Montreal Meeting (2005)  
NCEAS Science Advisory Board (2002 – 2005)  
Board of Editors, Oikos (2004-2009)  
Board of Editors, Journal of Biogeography (2004 – 2010)  
Associate Editor, Ecology Letters (2002 – 2008)

Board of Editors, Biodiversity Letters (1992 - 1997)  
Board of Editors, The American Naturalist (1994 - 1998)  
Mercer Awards Committee Member, ESA (1997 - 1999)  
Mercer Awards Committee Chair, ESA (1999 - 2001)

## REVIEWING

### Journal Reviewing:

Acta Oecologia, American Journal of Botany, The American Naturalist, Animal Behaviour, The Auk, Australian Journal of Ecology, Biodiversity Letters, Biotropica, Behavioral Ecology, Biological Conservation, Bioscience, Canadian Journal of Fisheries and Aquatic Sciences, Cladistics, Conservation Ecology, Copeia, Coral Reefs, Ecology, Ecology Letters, Diversity and Distributions, Ecological Applications, Ecological Entomology, Ecological Monographs, European Journal of Entomology, Evolution, Evolutionary Ecology (ad hoc editor), Hydrobiologia, Journal of Biogeography, Journal of Ecology, Journal of Insect Behavior, Journal of Parasitology, Journal of Theoretical Biology, Journal of Vegetation Science, Limnology & Oceanography, Marine Ecology Progress Series, Nature, Nature Communications, Oecologia, Oikos, Proceedings of the National Academy of Science USA, Science, Southeastern Naturalist (ad hoc editor), Theoretical Population Biology, Trends in Ecology and Evolution (ad hoc editor), Vegetatio

### Proposal Reviewing:

National Science Foundation (Ecology, Population Biology, Behavior Panels); National Geographic Society

## NSF PANEL SERVICE

Ecology Panel (Spring 2020)  
Ecology Panel (Spring 2014)  
Ecology Panel (Fall 1995 - Spring 1998)  
Integrated Challenges Panel (Spring 1999 - Spring 2001)  
Committee Of Visitors, DEB review panel (Summer 2012)

## UNIVERSITY, COLLEGE AND DEPARTMENTAL SERVICE

Graduate Affairs Chair 2016 - present  
Graduate Affairs Committee 2012-present  
OSP Hiring Committee 1998  
Curriculum Committee 1992  
Committee on Retention of Majors 1992  
Search Committee, Evolutionary Ecologist 1993  
Search Committee, Signal Transduction 1993, 1994  
Search Committee, Community Ecologist (Botany Department) 1993  
Faculty Volunteer, Undergraduate Orientation 1994  
Co-Director, Environmental Studies Program 1995-Present  
Advisory Council 1995

Director, Biology Department Graduate Program 1995-2000  
Search Committee Chair, Evolutionary Biologist, 2003  
TRI Spires Committee 2009

#### GRADUATE STUDENTS

Marc Albrecht, Ph.D., 1996. University of Oklahoma, Insect Community Ecology.  
Current position: Tenured Professor, Department of Biology, University of Nebraska at Kearney.

Amy Arnett, Ph.D., 1998. University of Vermont, Insect Life History Evolution.  
Current position: Tenured Professor, Department of Biology, Unity College, Maine.

Jerry Johnson, Ph.D., 1999. University of Vermont, Fish Life History Evolution.  
Current position: Tenured Professor, Brigham Young University.

Declan McCabe, Ph.D., 1999. University of Vermont, Insect Community Ecology.  
Current position: Tenured Professor, Department of Biology, Saint Michael's College.

Amy Wakefield, M.S., 2004. University of Vermont. Plant Ecology. Current position: State Biologist, Vermont.

Stephen Hudman, Ph.D., 2005. University of Vermont. Current position: Tenured Professor, Truman State College.

Kate Farrell, MS., 2006. University of Vermont, Theoretical Ecology. Current position: High school teacher, Vermont.

Sarah Wittman, Ph.D., 2007. University of Vermont. Inquiline Ecology. Current position: Post-doctoral Associate, Smithsonian Institution.

Ted Hart, Ph.D. 2011. University of Vermont. Climate Change, Aquatic Ecology.  
Current position: Senior Scientist, Apple Computer.

Cristian Dambros, Ph.D. 2015. University of Vermont. Tropical termite ecology, community phylogenetics.

Allyson Degrassi. Ph.D. 2016. University of Vermont. Small mammal population dynamics and community structure. Post-doctoral associate, University of New Hampshire.

Andrew Nguyen. Ph.D. 2017. University of Vermont. Molecular evolution of heat shock proteins in ants. Post-doctoral associate, University of Florida.

Amanda Northrop, Ph.D. 2020. University of Vermont. Proteomics, eutrophication of aquatic ecosystems. Lecturer, Norwich University.

Alex Burnham, Ph.D. 2020. University of Vermont. Bee virus and disease transmission. Scientific Programmer, University of Vermont.

Lauren Ash. Ph.D. (current). University of Vermont. Transmission dynamics of Ranavirus in New England amphibians.

Lindsey Pett. Ph.D. (current). University of Vermont. Nutrient stoichiometry of pitcher plants.

Emily Beasley, Ph.D. (current). University of Vermont. Occupancy modeling of small mammal assemblages and their ectoparasites.

George Ni, Ph.D. (current). University of Vermont. Range expansion of invasive insects and their parasitoids.

Raymond Looney, M.S. (current). University of Vermont. Avian transmission of *Ranavirus*.

#### POST-DOCTORAL ASSOCIATES

Dr. Neil Buckley, 1997. Current Position: Tenured Professor, Department of Biology, SUNY Plattsburg

Dr. Shannon Pelini. 2009 – 2012. Current Position: Tenure –track Assistant Professor, Department of Biology, Bowling Green University.

Dr. Irma Nieto 2009 – 2010. Current Position: Tenure-track Assistant Professor, University of Oaxaca, Mexico.

Dr. John Stanton-Geddes 2013-2014. Current Position: Data analyst, Dealer.com.

Dr. Matthew Kling 2020-present.

#### INTERNATIONAL VISITORS

Eduardo Pacheco, University of Sao Paulo. January-March 2020

Ian Vaughn, University of Cardiff, December 2016

Jayme Prevedello, University of Sao Paulo, June-August 2014

Luis Cayuela, Universidad Rey Juan Carlos, June-August 2013

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Julia Oshima, Instituto de Biociências, UNESP, Campus Rio Claro, February-August 2013

Raul Valdes, Museo Nacional de Ciencias Naturales, June-August 2009

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