

Education

PhD in Ecology, Evolution, and Behavior 2011 – 2017
University of Minnesota, St. Paul, MN
Minor in Risk Analysis for Introduced Species and Genotypes

BS in Biology 2007 – 2011
Georgia Institute of Technology, Atlanta, GA

Additional Training

NSF Cyber Carpentry: Data Life-Cycle Training, Chapel Hill, NC July 2019
Enhancing Linkages between Math and Ecology, Kellogg Biological Station, MI June 2013
Ecology and Evolution of Infectious Diseases Workshop, Ann Arbor, MI May 2012

Professional Experience

Postdoctoral Research Associate
Agronomy Department, University of Florida, Gainesville, FL 2018 – present

PhD Candidate

Graduate Research Assistant, Minnesota Invasive Terrestrial Plants and Pests Center 2017
Graduate Teaching Assistant, College of Biological Sciences 2014 – 2017
Graduate Program Fellow, Department of Ecology, Evolution, and Behavior 2016
NSF Graduate Research Fellow 2013 – 2014
NSF IGERT Fellow in Risk Assessment of Introduced Species and Genotypes 2011 – 2013

Undergraduate Researcher

Department of Biology, Georgia Institute of Technology, Atlanta, GA 2009 – 2011
NSF REU, St. Olaf College, Northfield, MN 2010
NSF REU, University of California, Santa Barbara, CA 2009
SURE Fellow, Emory University, Atlanta, GA 2008

Peer-Reviewed Publications

Pell, B., **A. E. Kendig**, E. T. Borer, and Y. Kuang. 2019. Modeling nutrient and disease dynamics in a plant-pathogen system. *Mathematical Biosciences and Engineering* 16: 234-264. <http://dx.doi.org/10.3934/mbe.2019013>

Kendig, A. E., E. T. Borer, C. E. Mitchell, A. G. Power, and E. W. Seabloom. 2017. Characteristics and drivers of plant virus community spatial patterns in US west coast grasslands. *Oikos* 126: 1281-1290. <http://dx.doi.org/10.1111/oik.04178>

Seabloom, E. W., E. T. Borer, K. Gross, **A. E. Kendig**, C. Lacroix, C. E. Mitchell, E. A. Mordecai, and A. G. Power. 2015. The community ecology of pathogens: coinfection, coexistence and community composition. *Ecology Letters* 18: 401-415. <http://dx.doi.org/10.1111/ele.12418>

MacDougall, A. S., J. R. Bennett, J. Firn, E. W. Seabloom, E. T. Borer, E. M. Lind, J. L. Orrock, W. S. Harpole, Y. Hautier, P. B. Adler, E. Cleland, K. Davies, B. Melbourne, S. M. Prober, J. D. Bakker, P. A. Fay, V. L. Jin, **A. Kendig**, K. J. La Pierre, J. Moore, J. Morgan, and C. J. Stevens. 2014. Anthropogenic-based regional-scale factors most consistently explain plot-level exotic diversity in grasslands. *Global Ecology and Biogeography* 23: 802-810. <http://dx.doi.org/10.1111/geb.12157>

Manuscripts in Prep

Kendig, A. E., E. T. Borer, E. N. Boak*, T. C. Picard*, and E. W. Seabloom. Host nutrition mediates interactions between plant viruses, altering transmission and predicted disease spread. *In revision for Ecology*. <https://www.biorxiv.org/content/10.1101/761254v1>

*undergraduate mentee

Kendig, A. E., S. Luke Flory, Erica M. Goss, Robert D. Holt, Keith Clay, Philip F. Harmon, Brett R. Lane, Ashish Adhikari, and Christopher M. Wojan. The Role of Pathogens in Plant Invasions. *Accepted for Anna Traveset and David M. Richardson, editors. Plant Invasions: The Role of Biotic Interactions*. CAB International Press. Wallingford, UK.

Goss, E. M., **A. E. Kendig**, A. Adhikari, B. Lane, N. Kortessis, R. D. Holt, K. Clay, P. F. Harmon, and S. L. Flory. Disease in invasive plant populations. *In review for Annual Review of Phytopathology*.

Grants and Awards

Thompson Earth Systems Institute Outreach Grant (\$665)	2018
Travel Award, Dept. of EEB, UMN (3 awards, \$2,068)	2013 – 2018
Alexander and Lydia Anderson Research Grant, UMN (\$3,000)	2015
Research Award, Dept. of EEB, UMN (2 awards, \$3,944)	2014 – 2015
National Science Foundation Graduate Research Fellowship Program (\$30,000)	2013 – 2014
Research and Stipend Award, HHMI Research Mentor Program, UMN (\$3,000)	2014
Research Award, ISG-IGERT Program, UMN (\$2,000)	2013
National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT) in Risk Assessment of Introduced Species and Genotypes (ISG) (\$60,000)	2011 – 2013
Georgia HOPE Scholarship (full undergraduate tuition)	2007 – 2011
William-Walls Life Science Award (\$500)	2011
Travel Award, ACC Meeting of the Minds (travel, room, and board)	2011
President's Undergraduate Research Award (\$1000)	2010
Ryder Roundtable Scholarship (\$10,000)	2007

Invited Presentations

Panelist, Community Coding Groups, ResBaz (Research Bazaar), Gainesville, FL	2019
Seminar, Department of Plant Pathology, University of Minnesota, St. Paul, MN	2018
Seminar, INRA Plant Pathology Unit, Avignon, France	2017
Brown Bag Seminar, Kellogg Biological Station, Michigan State University, Hickory Corners, MI	2017
Interview, University of Florida, Gainesville, FL	2017
Interview, Stanford University, Stanford, CA	2017
Five Minute Thesis Presentation, UMN SIAM Minneapolis, MN	2016

Co-Organized Symposia

<i>Invasive Species and Infectious Diseases: Interactive Effects in Ecological Communities.</i>	2019
Symposium, Ecological Society of America (ESA) Annual Meeting, Salt Lake City, UT. (accepted)	
<i>When a Raindrop is a Tsunami: Impacts of Disturbance on Plant-Associated Microbial Communities.</i>	2018
Organized Oral Session, ESA Annual Meeting: New Orleans, LA.	
<i>The Introduction of Microbes: For Better or for Worse.</i>	2013
University of Minnesota ISG-IGERT Annual Symposium: St. Paul, MN	

Contributed Presentations

Ecological Society of America Annual Meeting: Louisville, KY (talk)	2019
Florida Exotic Pest Plant Council Annual Symposium: Daytona Beach Shores, FL (poster)	2019
Emerging Pathogens Institute Research Day: Gainesville, FL (poster)	2019
North American Invasive Species Management Association Conference: Rochester, MN (talk)	2018
Ecological Society of America Annual Meeting: New Orleans, LA (talk)	2018
Population Biology of Vector-borne Diseases Symposium: Athens, GA (poster)	2018
Jacques Monod Conference: Roscoff, France (talk)	2017
Ecological Society of America Annual Meeting: Ft. Lauderdale, FL (talk)	2016
5 th International Conference on Infectious Disease Dynamics: Clearwater Beach, FL (poster)	2015
Ecological Society of America Annual Meeting: Minneapolis, MN (talk)	2013
Ecological Society of America Annual Meeting: Austin, TX (poster)	2011
Atlantic Coast Conference Meeting of the Minds: Miami, FL (poster)	2011
Georgia State University Psychology Undergraduate Research Conference: Atlanta, GA (poster)	2008

Teaching and Mentoring

Guest Lecture, Biological Invaders, University of Florida	2018
Teaching Assistant, Toward Conquest of Disease, University of Minnesota (2 semesters)	2016 – 2017
Teaching Assistant, Ecology, University of Minnesota (2 semesters)	2015 – 2016
Teaching Assistant, Foundations of Biology II, University of Minnesota (1 semester)	2014
Teaching Assistant, Honors Biological Principles, Georgia Tech (1 semester)	2010

Teaching Assistant, Freshman Seminar, Georgia Tech (1 semester)	2009
University of Florida undergraduate mentees	2018 – present
Liliana Benitez (NSF REU, visiting student from New College of Florida), Zobia Chanda, Trevor Green, Mariam Higginbotham, Zadok Jollie, Daniela Menendez, David Notman, Teresa Orosa, Shannon Regan, Penny Reif, Callie San Antonio, Vida Svahnstrom (NSF REU, visiting student from St. Andrews), Ryan Truesdell	
University of Minnesota undergraduate mentees	2013 – 2017
Emily Boak (directed research), Ryan Campbell, Nicholas Cupery (honors thesis), Casey Easterday (NSF REU), Jessica Lettelleir, Timothy Martin, Tashina Picard (HHMI Transfer Student Program, UROP Program), Kurra Renner, Luc Robichaud, Alexis Rogers	

Science Outreach and Education

Organizer, <i>EDDMapS Plant Damage</i>	present
Collect citizen science data on invasive plant infectious diseases with EDDMapS.org.	
Organizer, <i>Coding in the Environmental Sciences Workshops</i>	2017 – present
K-12 students to learn about environmental science research and basic coding.	
Volunteer, <i>Collaborative Curriculum Design for Invasive Species Education</i>	2019
Helped Florida K-12 teachers design lesson plans that incorporate authentic science.	
Volunteer, <i>Girls Who Code</i>	2016 – 2017
Mentored K-12 students learning how to code and build a smartphone app.	
Curriculum Developer and Teacher, <i>Market Science</i>	2015 – 2017
Science demonstrations at local farmer's markets and events.	
Guest Teacher, <i>Heritage Middle School</i> and <i>Southside Family Charter School</i>	2011 – 2017
Taught lessons on plant disease, population growth, and DNA extraction.	
Science Fair Judge (5x)	2012 – 2016
Co-Producer, <i>Biodiversity Briefs Podcast Series</i>	2015
https://cbs.umn.edu/blogs/cbs-connect/biodiversity-briefs-podcast-series-launches	

Service and Leadership

Manuscript reviewer: <i>Ecology and Evolution</i> , <i>Ecology Letters</i> , <i>Fungal Ecology</i> , <i>Journal of Animal Ecology</i> , <i>Journal of Applied Ecology</i> , <i>Land Degradation and Development</i> , <i>Proceedings of the Royal Society B</i>	
Co-Organizer, R-Ladies Gainesville	present
<i>Sessions led: book club discussion, Introduction to R, Docker and RStudio</i>	
Invasion Ecology Student Presentation Award Judge, Ecological Society of America	2018
Undergraduate Research Opportunities Program Committee, UMN	2016
Friday Noon Seminar Planning Committee, UMN Department of EEB	2013 – 2014, 2016
Sexual Harassment Complaint Liaison, UMN Department of EEB	2015 – 2016
Volunteer Coordinator, UMN TeachingSMART	2012 – 2014
Graduate Student President Committee, UMN Department of EEB	2012 – 2013
Travel Grant Committee, UMN Department of EEB	2012
Council of Graduate Students Representative, UMN Department of EEB	2011 – 2012
Executive Committee Student Representative, UMN IGERT	2011 – 2012