Aimée T. Classen

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CURRENT POSITIONS

Director of the Biological Station**, Professor,** Department of Ecology and Evolutionary Biology, The University of Michigan, Ann Arbor, MI, 2020-present

Key responsibilities

- Direct a research and educational field campus that services researchers and students from around the world; the largest campus in the U-Michigan System (>13,000 acres)
- Develop the research, education and community engagement mission
- Responsible for strategic and administrative decision making for a unit that services the largest U-Michigan college as well as students and faculty from > 8 other UM colleges
- Coordinate a community of > 500 people, ~16,000 user days a year (excluding the public)
- Administer a budget of ~ $3M/yr
- Oversee >140 buildings and their facilities as well as research infrastructure
- Direct a staff of 14 year-round and >60 from May-August

Major accomplishments to date

- Executed a self-study & external review, 2023
- Developed a facilities & campus plan, 2023-25
- Developed a strategic plan, the first in organizational history, 2025
- Created an advisory board of cross-campus University leaders, 2023
- Secured $17M from the University Regents, Provost and college of Literature, Sciences and the Arts (LSA) to update campus infrastructure
- Developed an Inclusion & field safety strategy as part of our operations
- Increased the diversity of faculty, researchers & students
- Increased communications: written news stories increased 570% in 2024; instituted a monthly newsletter
- Created donor strategy that increased planned giving and total gifts by 13% in its first year
- Recruited new research teams to conduct work at the Biological Station
- Started a “kids camp” to support researcher, faculty, staff and student families

Honorary Research Associate**,** Victoria University of Wellington, New Zealand, 2016-present

- Co-PI on grants focused on climate change and plant invasion; Co-mentor PhD students

PRIOR POSITIONS

Editor-in-Chief, *Ecological Monographs*, The Ecological Society of America, 2016-20

- Helped lead strategic vision for all Ecological Society of America publications
- Led and developed strategy; Increased manuscript submissions every year over tenure
- Increased the diversity of editorial board and increased journal transparency
- Increased journal impact factor to 10; maintained rank as top 10 Ecological journal

Director of the George D. Aiken Forestry Sciences Laboratory, Professor, The U-Vermont, Rubenstein School of Environment and Natural Resources, Burlington, VT, 2018-20

- Managed the Rubenstein Research laboratory facility, coordinated space, community & research

Associate Professor & Interim Director of the Natural Resources Program, Rubenstein School of Environment and Natural Resources, The U-Vermont, Burlington, VT, 2017-2018

- Worked on assessment for the Natural Resources program, advised students, and promoted student programming

Associate Professor, The Natural History Museum of Denmark, The U-Copenhagen, Denmark, 2014-18

Associate Editor-in-Chief, *Ecological Monographs*, 2012-16, The Ecological Society of America

- Assisted with journal vision, reviewed all manuscripts submitted, recruited editorial board
- Helped lead strategic vision for all ESA publications

Visiting Associate Professor, Hawkesbury Institute (HIE), U-Western Sydney, Australia, 2014-25

Associate Professor & Chair of Undergraduate Affairs, Ecology & Evolutionary Biology, The U-Tennessee, Knoxville, TN, 2012-15

- Overhauled the undergraduate curriculum to increase transparency and graduation rates

Visiting Assistant Professor, Department of Biology, U-Copenhagen, Denmark, 2009-10

Assistant Professor, Ecology & Evolutionary Biology, The U-Tennessee, Knoxville, TN 2008-12

Staff Scientist, Oak Ridge National Laboratory, Oak Ridge, TN 2005-08

Research Assistant Professor, Ecology & Evolutionary Biology, U-Tennessee 2005-08

American Association of University Women (AAUW) American Fellow, 2003-04

Technician, Stanford University, Palo Alto, CA,1998-99

Middle & primary school teacher, Pinewood School, Los Altos Hills, CA, 1997-98

Middle school teacher, The Eaglebrook School, Deerfield, MA,1995-96

EDUCATION

Postdoctoral Fellow, Global Change Biology, **Oak Ridge National Laboratory**, TN, 2005

Ph.D., Biology, **Northern Arizona University**, Flagstaff, AZ, 2004

B.A., Biology, **Smith College**, Northampton MA, 1995

Post-grad, **English Speaking Union Scholar**, Stamford School, Lincolnshire, UK, 1991

Parental leave: Harry 2004 (5/04-1/05) & Finn 2007 (12/07-7/08)

AWARDS

Awardee, Mentoring Award, Ecology & Evolutionary Biology Department, U-Michigan, 2025

Elected Fellow, American Association for the Advancement of Science, 2024

Elected Fellow, The Ecological Society of America, 2020

Elected Fellow, Gund Institute for Environment, U-Vermont, 2018

Awardee, Mentoring Award, Association for Women Soil Scientists, 2015

Promising young scholar, The US National Academy of Sciences, Frontiers in Science, 2014

Awardee, Research and Creative Achievement Award**,** UT College of Arts and Sciences, 2012

Awardee, Teaching Award, Pi Beta Phi, 2012

Promising young scholar, The US National Academy of Sciences Frontiers in Science, 2007

Fellow, Kavli Foundation Science, 2007

Awardee, Best paper, Forest Soils, Soil Science Society of America, 2007

Awardee, Outstanding Mentor Award, US Department of Energy, 2006

American Fellow, American Association of University Women, 2003-04

Graduate Fellow, Merriam-Powell Center for Environmental Research 2002-03

Awardee, Best student presentation, honorable mention, Soil Ecology Society Meetings, 2003

Awardee, Best paper, Forest Soils, Soil Science Society of America, 2002

Elected fellow, Sigma Xi, 1995

Awardee, Brown Botany Prize, Smith College, 1995

Awardee, NCAA All-American, swimming, 1991-93

PROFESSIONAL SERVICE

NON-PROFIT BOARD SERVICE

Scientific Advisory Board, Netherlands Institute of Ecology, The Netherlands, 2018-present

- Elected by the Royal Academy of Arts and Sciences to advise the Netherlands Institute of Ecology's management team regarding strategy, science vision, and activities
- Assisted with Institute self-study and external review, 2023
- Search committee, Director of the Terrestrial Ecology Group, 2024
- Search committee, Assistant Professor of the Terrestrial Ecology group, 2024

Board member, Collaborative Earth, (formerly Earthshot Institute), 2022-present

- Strategic planning
- Leadership advisor

Board of Trustees, Rocky Mountain Biological Laboratory, Gothic, CO, 2016-22

- Developed & implemented research, education, DEI, and community engagement strategic plan; oversee budget & infrastructure decision
- Strategic planning committee, 2017-20
- Chaired Diversity, Equity & Inclusion committee, 2019-20
- Research evaluation committee, 2019-20
- Evaluated the Executive Director, 2016-20
- Board self-evaluation committee, 2016-20
- Facilities committee, 2016-20; Chair, research vision committee, 2017-19; Chair, facilities committee, 2016-17; Research committee, 2014-16

EDITORIAL BOARD & JOURNAL SERVICE

Editorial Committee, *Annual Reviews of Ecology, Evolution, & Systematics*, 2022-present

- journal ranks 3rd out of all Ecology & Evolutionary Biology Journals

Editorial board, *Ecology* & *Ecological Monographs*, Ecological Society of America, 2011-22

Visiting Editorial committee, *Annual Reviews of Ecology, Evolution, and Systematics*, 2021

Special Issue Guest Editor, *Functional Ecology*, 2017-18

Editorial Board, *Ecology Letters*, 2012-16

Associate Editor, *Journal of Plant Ecology*, 2014-16

Guest Editor, *Ecosphere*, 2012

Committee member, Ecological Society of America committee, envision ESA journals' futures, 2012-13

EXTERNAL ACADEMIC REVIEW & STEERING COMMITTEE SERVICE

Co-chair, The US Department of Energy: Designing Future Ecosystem Experiments Part 1: Lessons Learned from Ecosystem-scale Experimental Field Studies Workshop, 2024-25

External Reviewer, Program in Evolution, Ecology, & Biodiversity, College of Biological Sciences, U-California, Davis, CA 2019

Steering committee, Functional Ecology of Alpine Plants Global Network, 2018-21

Steering committee, Terrestrial Ecosystem Response to Atmospheric and Climatic Change, 2007-10

Other External Service

Reviewer, Tenure and/or Promotion:

2024 (USA R1 institution ×3); **2023** (Regents professor ×1; USA R1 institution ×4; International R1 institution ×1; USA R1 research organization ×2); **2022** (international research institution ×1; US R1 institution ×2; Regents professor ×1); **2021** (USA R1 academic institution ×3; USA PUI ×1; research institution ×1; Reviewer for Regents professor × 1); **2020** (USA R1 institution ×2; International R1 institution ×1); **2019** (international R1 institution ×1; USA R1 institution ×3; USA research institution ×1, **2018** (USA R1 institution ×2); **2017** (USA R1 institution ×2); **2015** (USA R1 institution ×1)

Member, Research Center equipment committee, Rocky Mountain Biological Lab, 2012

Member, Douglas Distinguished Lectureship committee, Rocky Mountain Biological Lab, 2011-13

Select national agency review panels**:** US National Science Foundation (2020); US Department of Energy (2018); European Union BiodivERsA ERA-NET (2015-16); US National Science Foundation (2011); US National Ecological Observatory Network site reviewer (2007)

University & College Leadership Service

Member, Executive committee, The Graham Institute, U-Michigan, 2023-present

Member, Provost's Hiring committee, Vice Provost of Climate Action & Sustainability, 2024

Member, Biosciences Initiative Coordinating committee, 2020-23

- Selected as a University Leader in the Biosciences to strengthen research & education in the biosciences across U-Michigan through strategic leadership, coordination & alignment across the campus

Member, U-Michigan Development Campaign committee, 2022-23

- Developed strategic areas for university development campaign focused on Environmental Change

Member, College Carbon Neutrality facilities team, 2021-22

- Guided the vision to take the College of LSA facilities carbon neutral

Member, Mid-career Biosciences Faculty Achievement Recognition committee, U-Michigan, 2021-22

Member, Search committee, Vice President of Research, U-Vermont, 2020

Co-chair, Graduate Program Review committee, Rubenstein School, U-Vermont, 2019-20

Member, Rubenstein School Faculty Standards committee, U-Vermont, 2019-20

Chair, Academic Benchmarking committee, Rubenstein School, UVM, 2017-18

Member, College of Arts & Sciences Dean's Advisory Council, U-Tennessee, 2011-12

Member, University-wide Governors Chair search committee, U-Tennessee, 2009-11

University & College Service

Marshal, Honors Convocation, U-Michigan, 2025

Member, Climate and Space Sciences & Engineering Assistant Professor 3rd year review committee, U-Michigan, 2024-25

Mentor, U-Michigan Collegiate Fellow, Mia Howard, 2022-24

Member, U-Michigan LSA Carbon Neutrality Program Manager Search Committee, 2023

- Hired a leader to help take the college carbon neutral

Member, Faculty 3rd year review Committee, School for Environment and Sustainability, U-Michigan, 2023

Member, Faculty 3rd year review Committee, School for Environment and Sustainability, U-Michigan, 2022

Program Reviewer, Keck Foundation Research Program, U-Michigan, 2022

Mentor, Michigan Fellow, Roberto Márquez, U-Michigan, 2022-23

Member, Working Group Committee, The Institute for Global Change Biology, U-Michigan, 2022

Member, College Graduate Student Standards Committee, U-Vermont, 2017-20

Affiliated Faculty, Quantitative and Evolutionary STEM Training Program, U-VT, 2017-20

Affiliated Faculty, Food Systems Graduate Program, U-Vermont, 2017-20

Member, NEON Soil sensor Technical Working group, 2017-18

Member, University Natural Sciences Undergraduate Affairs committee, U-Tennessee, 2012-14

Faculty Affiliate, Initiative for Quaternary Paleoclimate Research, U-Tennessee, 2011-15

Mentor, Program for Excellence & Equity in Research, U-Tennessee, 2011-14

Faculty Affiliate, Bredesen Center for Interdisciplinary Research & Graduate Education, TN, 2011-13

Member, University committee for women, U-Tennessee, 2009-10

Member, National Ecological Observatory Network (NEON) committee, U-Tennessee, 2006-07

UNIVERSITY DEPARTMENTAL SERVICE

Member, Departmental Graduate Affairs Committee, U-Michigan, 2024-present

Mentor, Departmental Junior Faculty, U-Michigan

- Thais Vasconselos (2022-present), André Green (2021-present), Mia Howard (2024-present)
- Kelly Speer (2023-24)

Member, Faculty Launch Committee, Mia Howard, 2024-present, U-Michigan

Member, Departmental Faculty Tenure Report committee, U-Michigan, 2024

Member, Departmental Faculty Tenure Report committee, U-Michigan, 2023

Member, Departmental Awards committee, U-Michigan, 2023-24

Chair, Departmental Faculty Tenure Report committee, U-Michigan, 2022

Chair, Departmental Faculty Tenure Report committee, U-Michigan, 2021

Member, Departmental Faculty 3rd year review, U-Michigan

Chair, Departmental Retreat committee, U-Michigan, 2021-23

Member, Frontiers Master's Admission committee, Ecology & Evolutionary Biology, U-Michigan, 2021-22

Member, Departmental Faculty 3rd Year Review committee, U-Michigan, 2021

Chair, Outreach & Engagement committee, Center for Macroecology, U-Copenhagen, 2015-18

Chair, Disease Ecology Faculty Search committee, U-Copenhagen, 2015

Member, Departmental Executive committee, U-Tennessee, 2012-15

Member, Department Head Search committee, U-Tennessee, 2012-13

Member, Departmental Undergraduate Curriculum committee, U-Tennessee, 2008-11

Member, Department Ecology Faculty Search committee, U-Tennessee, 2010

Mentor, Historically Black Colleges & Universities, Minority Education Institutions Research Program, Oak Ridge National Laboratory, 2007

Mentor, Southeastern Consortium for Minorities in Engineering & Science, ORNL, 2006

INVITED TALKS, PRESENTATIONS & PANELS

Invited talks 2025: U-Miami, Department of Biology, FL; Cary Institute for Ecosystem Studies, NY; Douglas Lake Improvement Association, MI

Invited talks 2024: Michigan State, Ecology & Evolutionary Biology, MI; Kellogg Biological Station, MI; Douglas Lake Improvement Association, MI; Camp Michigania, MI

Highlighted speaker, U-Michigan's "**Look to Michigan**" campaign kickoff, 2024

Keynote, US Department of Energy, Washington, DC, 2024

Presenter, Graduate student recruitment flash talk, Ecology & Evolutionary Biology, U-Michigan, 2024

Invited talk 2023: Institute for Global Change Biology, U-Michigan; Douglas Lake Improvement Association

Invited panelist, Career Event for Alpha Tau Pi, a professional biology fraternity, U-Michigan, 2023

Keynote, Evolution, Climate Change and Infectious Disease Symposia, U-Michigan, 2022

Keynote, Université de Montréal, 100th anniversary of the département de sciences biologiques de l'UdeM celebration, Canada, 2022

Keynote, Cornell University, "Celebrating 65 years of biogeochemistry at Cornell-Learning from the past to inform the future" special seminar series, 2022

Invited talks 2022: Michigan Ecology and Evolutionary Biology Society of undergraduates, U-Michigan (fall & winter term); Ohio State University, Department of Biology

Invited panelist & speaker: Stoichiometry in Symbiosis Workshop, Ohio State University, 2021

Invited talks 2020: American Geophysical Union, American Society for Microbiology (ASM, plenary speaker, postponed), U-Houston (postponed), Cornell University (postponed)

Keynote, Jack and Pat Bryan Distinguished Lecture, Syracuse University, 2020

Invited talks 2019: U-Michigan, EEB; U-Michigan, SEAS; Texas Tech University; U-Lincoln, Lincoln, UK; Holden Arboretum, Cleveland, Ohio; McGill University, Montreal, Canada

Invited presenter, Ecological Society of America webinar, Academic Publishing, 2019

Invited panelist, Women in Soil Science Event, The U-Vermont, 2019

Invited talks 2018: Concordia University, Canada; Harvard Forest, Harvard University; The U-Vermont, Department of Biology; The U-Michigan

Plenary Speaker, American Society for Microbiology, 2018

Invited panelist, "getting into graduate school", Rocky Mountain Biological Station, 2018

Invited talks 2017: INIBIOMA, CONICET, Universidad Nacional del Comahue, Argentina; The Vermont Agency of Natural Resources; Smith College, USA; The U-New Hampshire; The U-Minnesota; Swedish U-Agricultural Sciences, Uppsala, Sweden; The U-Vermont, Plant and Soil Sciences Department; Doñana Biological Station, Sevilla, Spain; The Gund Institute, The U-Vermont; The U-Vermont, Plant Biology Department; The U-Massachusetts, Department of Microbiology

Keynote, The US Department of Energy TES/SBR meeting, Washington DC, 2017

Keynote, The 2nd Global Soil Biodiversity Conference, China, 2017

Invited talks 2016: The U-Vermont, Rubinstein School of the Environment; New Mexico State University, Department of Plant Sciences; Jornada Long Term Ecological Research Station (ARS); German Centre for Integrative Biodiversity Research (iDiv), Germany

Invited talks 2015: U-Notre Dame, Department of Biology; Dartmouth College, Department of Biology; The Villum Foundation, Denmark; Estonian U-Life Sciences, Estonia; Ecological Society of America meeting Organized Oral Session; Global Network of Long-term Observatories on Mountain Social-Ecological Systems, USA

Keynote, Natural History Museum of Denmark "Science Gala, Vin & Videnskab", Denmark, 2015

Keynote, Danish Oikos meetings, Denmark, 2015

Invited panelist, Women in Science Ethics, Rocky Mountain Biological Laboratory, 2015

Invited talks 2014: Henan University, China; U-Copenhagen, Terrestrial Ecology, Denmark; Rocky Mountain Biological Laboratory; "Geek Week" Crested Butte Colorado Science Festival, Colorado; Rocky Mountain Biological Laboratory science series; Ecological Society of America Meetings Organized Oral Session; Natural History Museum of Denmark, Evolutionary Genomics Section, Denmark; Center for Macroecology, Evolution and Climate (CMEC), Denmark; Lund University, Sweden

Keynote, British Ecological Society Conference on Carbon, UK, 2014

Invited talks 2013: Institute of Botany, Chinese Academy of Sciences, China; Institute of Geographic Sciences & Natural Resources Research, CAS, China; German Academic Exchange Service & the Alexander von Humboldt Foundation webinar, Germany; Umeå University, Department of Biology, Sweden; U-Alberta, Canada; German Centre for Integrative Biodiversity Research (iDiv), Germany

Presenter, USA Science Festival, Washington DC, 2013, 2012, 2011

Invited talks 2012: American Geophysical Union Symposia; Indiana University; Peking University, China; SLU, Umeå, Sweden; Boise State University, Department of Biology; U-New Mexico, Department of Biology; U-British Columbia, Canada; "Geek Week", Crested Butte CO Science Festival

Invited talks 2011: Imperial College London, Silwood Park, UK; U-College London, UK; Developing International Geoarchaeology Conference, Tennessee; The Ecological Society of America, Symposia; U-Kentucky; Scottish Crop Research Institute, Scotland

Invited talks 2010: The Ecological Society of America meeting, Organized Oral Session; U-Copenhagen, Department of Biology, Denmark; Netherlands Instituut voor Ecologie, The Netherlands; U-Copenhagen, Ecology & Evolutionary Biology, Denmark; The Naturalist Club of Tennessee

Invited talks 2009: Department of Energy, Program for Ecosystem Research, Washington DC; Maryland American Association of University Women Conference; U-North Carolina, Asheville; Center for Macroecology and Evolution, Denmark; Alabama A&M University; League of Women Voters Knoxville, Tennessee

Invited talks 2006-08: Cornell University, New York; Department of Energy, Biological & Environmental Research, Global Change Education; U-Tennessee, Knoxville; Appalachian State University; Ecological Society of America symposia; Department of Energy, Program for Ecosystem Research workshop on precipitation, Denmark; Harvard Forest, Harvard University

Invited panelist, US Department of Energy Day of Science participant to attract underrepresented students into scientific professions, 2006

Invited talks 2002-04: U-Notre Dame; Oak Ridge National Laboratory; Humboldt State University; Redwood Sciences Laboratory, US Forest Service

Selected contributed talks, 2008-present: Ecological Society of America (>70); American Society for Microbiology (>5); International Congress of Entomology (1); International Congress of Entomology (1); International Society for Microbiology: ISME (1); Botanical Society of America (1); Oikos meeting (2); American Geophysical Union (>17); Ecology of Microorganisms (2); European Geophysical Union (4): EUReCA Undergraduate Research Fair (11); Soil Ecology (11); Soil Science Society of America (6); Association of Southeastern Biologists (4); Southwestern Association of Biologists (4); Mid-Atlantic States Mycology Conference (2); EuroSoils (1); Enzymes in the Environment (2); Southern Forest Tree Improvement Conference (1); Microbes as Important Drivers of Soil Processes meeting (1); Argonne National Laboratory Soils Workshop (2); Southern Appalachian Man and the Biosphere Conference (1); Dissertations Initiative for the Advancement of Climate Change Research Symposium (1); Women Evolving the Biological Sciences Symposia (1); Joint Meeting of the Society for Range Management and the American Forage and Grassland Council (1); South Eastern Population Ecology and Evolutionary Genetics (SEPEEG) Conference (1); International Association of Landscape Ecologists World Congress (1); American Association for the Advancement of Science (1); National Academies of Sciences Frontiers of Science Symposia (2); Ecological Society of Japan (1)

SELECTED ORGANIZED & INVITED WORKING GROUPS

Organized Colloquium, MicrobeNet^Net, Knoxville, Tennessee, 2025

Organized & panelist, Changing Michigan Winters: Winter, Water Wonderland. U-Michigan, LSA Sustainability, 2024

Organized, Ecosystem Consequences of Changing Winters in the Anthropocene, Department of Energy ESS PI Meeting, Washington, DC, 2024

Invited, Invasive ant impacts on ecosystem function, Sevilla, Spain, 2024

Invited, Biotic modulators of plant community resistance and resilience to global changes–Synthesis of the current knowledge and future directions. University Oulu, Finland, 2023

Invited, Stoichiometry in Symbiosis Workshop, Ohio State University, 2021

Organized, Tipping the Scales: Strategy And Tactics For Successful Manuscript Submissions, ESA Annual Meeting, co-organizer, 2020

Invited, Creating a framework to interpret and model plant and mycorrhizal fungal traits at the global scale, NIMBioS, U-Tennessee, 2020

Invited, The Living Earth Collaborative Parasite-Ecosystem, Washington University, Missouri, 2019, 2018

Organized, WaRM Warming and species Removals in Mountains workshop, Vermont, 2018

Invited, Enhancing Long-Term Soil Carbon Sequestration by Ectomycorrhizal Fungi, U-Michigan, 2018

Organized, INTERFACE Microbial Carbon Cycling workshop, Vermont, 2017

Organized, Warming and species Removals in Mountains workshop, Denmark, 2016

Organized, INTERFACE-Climani workshop on tipping points, Italy, 2016

Invited, ClimFun Fungal Communities under global change symposia, Denmark, 2016

Organized, Frontiers in terrestrial climate feedbacks workshop, INTERFACE, 2016

Invited, Climate models revisited—mycorrhizal dynamics, Royal Academy, The Netherlands, 2015

Invited, Tropical Plant Collections: Legacies from the past?, Royal Danish Academy, Denmark, 2015

Invited, Ecological Society of America Organized Oral Session, 2015

Invited, American Geophysical Union, Symposia on data-model fusion, 2015

Organized, Global Network of Long-term Observatories on Mountain Social-Ecological Systems, 2015

Invited, Using results from global change experiments to inform land model development, China, 2014

Invited, The US National Academy of Sciences Frontiers of Science & Engineering Promising Young Scholar program, Brazil, 2014

Invited, Biodiversity and forest management workshop, U-Copenhagen, Denmark, 2014

Invited, The US Department of Energy's workshop on Research for Sustainable Bioenergy, 2013

Organized, INTERFACE, Scaling across space and time, Czech Republic, 2013

Invited, Understanding Biodiversity & Climate Change, German Academic Exchange Service, 2012

Invited, National Socio-Environmental Synthesis Center (SESYNC), workshop, U-Michigan, 2012

Organized, INTERFACE, Nutrient constraints on the net carbon balance, Iceland, 2011

Organized, INTERFACE, How do we Improve Earth System models?, Florida, 2011

Invited, National Institute for Mathematical and Biological Synthesis − linking plants and soil, 2011

Invited, Oak Ridge National Laboratory, Laboratory Directed Research & Development Initiative, 2010

Invited, US Department of Energy & US National Science Foundation, long-term global change experiments, 2009

Organized, Optimizing soil process representations in climate models. Oak Ridge, Tennessee, 2009

Invited, Department of Energy, The Next Generation of Climatic Change Experiments, 2008

Invited, NSF ADVANCE, Women Evolving Biological Sciences, 2008

Invited, US National Academy of Science, Kavli Frontiers of Science, Promising Young Scholar Program, 2006

Organized, Ecological Society of America Symposia, data-model integration, 2006

Invited, Effects of precipitation change on terrestrial ecosystems, Denmark, 2006

Invited, How to succeed in ecology, Ecological Society of America, 2006

Invited, Terrestrial Ecosystem Response to Atmosphere and Climate Change, 2005

Invited, European Geophysical Union, symposia on neutrons in science, Austria, 2005

RESEARCH FUNDING

CURRENT FUNDING

US DEPARTMENT OF ENERGY

- The US Department of Energy, 2022-25, AmeriFlux Management Project Core Site, $325,626 sub-contract, Co-PI
- The US Department of Energy, 2021-25, The potential for advanced snowmelt timing to decouple plant and mycorrhizal fungal phenology and biogeochemical cycling, $897,998, plus allocation to LBL, total = $999,698, Co-PI

US NATIONAL SCIENCE FOUNDATION

- The US National Science Foundation, 2024-28, AccelNet Implementation MICROBENet-Net: Multi-Institute Collaborative Research on BElowground plant-microbial interactions Network of Networks. $1,500,000 USD, Co-PI
- The US National Science Foundation, 2021-26, Collaborative Research: Understanding How Students' Sense of Belonging Develops During Undergraduate Field Experiences: Supports, Barriers, and Implications for Faculty $68,875, Host PI

OTHER AGENCY/ FOUNDATION

- The Wild Animal Initiative, 2024-26, How do sublethal parasitic infections influence the diet and welfare of North America's most abundant mammals? $167,337, Co-PI
- Marsden Fund, Royal Society Te Apārangi, New Zealand, 2021-25, Changing climate and biodiversity in mountains: understanding the interactive effects of warming, species extinctions and invasions on ecosystem function, 960,000 NZD, Co-PI
- The Swedish Scientific Research Council, 2020-25, The impact of competition on plant-mycorrhizal associations in a warmer Arctic, 4,340,000 SEK, Co-PI

INTERNAL FUNDS

- ADVANCE Elizabeth Caroline Crosby Faculty Grants Program, U-Michigan, 2025, Supporting early career field scientists at the U-Michigan Biological Station, $17,413, PI
- Inclusive History Project Research & Engagement Fund, U-Michigan 2025-26, "Communicating the Interwoven Human and Natural History of UM Biological Station-Managed Lands", $25,000 (to Associate Director Slavik)
- McIntire-Stennis, U-Michigan, 2024-26, From trees to stands: Assessing forest ecosystems integrated multifunctionality at scales relevant to decision making, $139,534, Co-PI

PRIOR FUNDING

US DEPARTMENT OF ENERGY

- Environmental Molecular Science Laboratory (EMSL) Exploratory Research proposal (2020) Exploring soil organic matter dynamics in a warming world using an array of warming experiments and soil models, $52,834, PI
- The US Department of Energy, 2013-18, Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model through experimenting across ecotypes, $988,039 USD, PI
- The US Department of Energy, 2015-16, Bog extn.: Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model through experimenting across ecotypes, $23,105, PI

- The US Department of Energy, 2006-09, Community & ecosystem response to global change: interactive effects of atmospheric carbon dioxide, surface temperatures, & soil moisture, $1,700,000, PI
- The US Department of Energy, 2007-09, Implications of enhanced fine-root production in the Oak Ridge FACE experiment, $1,200,000 USD, Co-PI
- The US Department of Energy, 2005-06, Responses to elevated CO_2 in a closed canopy deciduous forest, $597,444, Co-PI

US NATIONAL SCIENCE FOUNDATION

- The US National Science Foundation, 2020-25, LTREB: Phenological responsiveness of plants & bees: consequences for species, interactions, community composition and biomass. $741,187 USD, Co-PI
- The US National Science Foundation, 2019-23, RII Track-2 FEC: Leveraging Intelligent Informatics and Smart Data for Improved Understanding of Northern Forest Ecosystem Resiliency, $3,000,000, Co-PI
- The US National Science Foundation, 2021, REP supplemental for LTREB: Phenological responsiveness of plants and bees: consequences for species, interactions, community composition and biomass. $54,570, PI
- The US National Science Foundation, 2019-20, LTREB: Phenological responsiveness of plants and bees: consequences for species, interactions, community composition and productivity, $171,416, Co-PI
- The US National Science Foundation, 2010-17, Research Coordination Network: Integrated Network for Terrestrial Ecosystem Research on Feedbacks to the Atmosphere and ClimatE, $500,000, Co-PI

OTHER AGENCIES

- General Secretary of Universities, Research and Technology, Andalusia, Spain, 2022-25 Ecosystem effects of the Invasive Argentine Ant: Fauna and Soil, 179,870 Euro, Co-PI
- Natural Environment Research Council, UK, 2018-20, Functional Ecology of Alpine Systems; a global network, 80,905 GBP, collaborative partner
- The US Department of Agriculture, 2019, Acquisition of an ICP-OES $49,975, Co-PI
- Ministry of Business Innovation and Employment's Te Pūnaha Hihiko Fund, New Zealand, 2016-18, The Future of Our Taonga Tipu. 100,000 NZD, Co-PI
- Climate Impacts Research Centre, Sweden, 2017, Automatic Detection of Arctic Microarthropods, 50,000 SEK, Co-PI
- Carlsberg Foundation, 2015, Request for a gas exchange cluster to explore climate change impacts on montane ecosystems around the world, 360,000 DKK, PI
- IK lykkes fond, Norway, 2015, Alpine plant-fungal interactions under shrub encroachment and their role in ecosystem carbon turnover, 20,000 NOK, Co-PI

INTERNAL FUNDS & SUB-CONTRACTS

- U-Michigan School for Environment and Sustainability Themes Funds, 2023-24, Adaptive management of culturally & economically important wildlife in tribal lands of Michigan's UP, $80,000, Co-PI
- McIntire-Stennis, U-Michigan, 2022-24, Assessing Tradeoffs in Forest Resilience to Water and Productivity losses at the Boreal–Temperate Ecotone, U-Michigan, $150,000, Co-PI
- McIntire-Stennis, U-Vermont, 2019-24, The State of Carbon in Northeast Forests – creating an Integrated Soil Carbon inventory to explore and understand what drives variation in soil carbon across scales and with management, $512,352, Co-PI
- Gund Institute Catalyst Award, 2020–21, Low cost & high frequency quantification of soil nutrients in ecosystems undergoing rapid global change, $50,000, PI
- Gund Institute Catalyst Award, 2017-19, Catalyzing research, scholarship, and teaching in montane systems, $46,538, Co-PI

- Hawkesbury Institute for the Environment Exchange Program, Australia, 2014-15, 9,964 AUD, PI
- Oak Ridge National Laboratory, 2013-15, Applying methods for the study of plant-microbe interactions, $44,475, PI
- The U-Tennessee, 2013-14, Initiative for Quaternary Paleoclimate Research, $40,000, Co-PI
- Oak Ridge National Laboratory, 2013, Joint Directive Research and Development Fund, Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model, $55,000, PI
- The U-Tennessee, 2013, Technology to improve ecology labs and curriculum at UT $85,000, Co-PI
- The U-Tennessee, 2012-13, Initiative for Quaternary Paleoclimate Research, $55,000, Co-PI
- Oak Ridge National Laboratory, 2013, Joint Directive Research and Development Fund, Incorporating microbial dynamics that alter soil carbon fluxes into terrestrial carbon cycle models, $47,846, PI
- Oak Ridge National Laboratory, 2011-12, Assessment of microbial communities associated with wood decomposition, $192,298, PI
- U-Tennessee, 2011, Initiative for Quaternary Paleoclimate Research, $51,600, Co-PI
- U-Tennessee, 2011, Microbiology across Campuses Educational and Research Venture, Understanding the links among microbial community composition and function and soil processes, $10,000, PI
- Oak Ridge National Laboratory, 2010, Joint Directive Research and Development Fund, Combining molecular biology with ecology to determine the genetic and environmental constraints to primary productivity, $64,940, PI
- U-Tennessee, 2010, Microbiology across Campuses Educational and Research Venture. Bridging the gaps in soil carbon and nitrogen cycling: microbes as predictors of global climate change?, $21,315, PI
- Oak Ridge National Laboratory, 2009, Assessment of microbial communities associated with *Populus*. $56,113, PI
- Oak Ridge National Laboratory, 2009, Joint Directive Research and Development Fund, Developing a systems biology approach for linking genetic and environmental constraints to primary productivity – can patterns scale to the field?, $63,000, PI
- Oak Ridge National Laboratory, 2006-08, Lab Directed Research and Development Fund, Disentangling soil respiration using genomic techniques, $655,000, PI
- Oak Ridge National Laboratory, 2008-09, Lab Directed Research and Development Fund, Carbon drivers of the microbe-switchgrass rhizosphere interface, $750,000, Co-PI
- Oak Ridge National Laboratory SEED, 2006, Does genetic diversity within species influence ecosystem nutrient cycling?, $20,000, PI

TEACHING

UNIVERSITY OF MICHIGAN

- Senior Ecology & Evolutionary Biology capstone class, Fall 2022, Spring 2024, Spring 2025
- Undergraduate Research, 2022, 2023, 2024, 2025
- Graduate Ecology co-instructor, 2024
- Junior/Senior Seminar 2023

INTERNATIONAL & EXTERNAL COURSES

- Microbiomes and Global Change, U-California, Irvine, 2019
- Soil Ecology and Planetary Boundaries, Wageningen University, The Netherlands, 2016
- Science writing and editing, Aarhus University, Denmark, 2015
- Communicating science, Estonian University of Life Sciences, Estonia, 2015
- Communicating science, Hunan, China, 2014
- Global change and biogeography, Peking University, China, 2013

- Coupled natural and human systems in a changing world Honors Class, Costa Rica, 2013

UNIVERSITY OF VERMONT: Junior/ Senior seminar, BA/BS, 2020**;** Ecosystem Ecology, BA/BS/MS/PhD, 2018-20**;** Research in Ecology, BA/BS, 2019-20; Ecology, Ecosystems, and Environment, BA/BS, 2017-20

UNIVERSITY OF COPENHAGEN: Climate Change Impacts Adaptation and Mitigation, 2015-16; Climate change and biodiversity, co-taught, MS/BS, 2015-16; Plant-herbivore interactions, co-taught, MS, 2014-15; Nature management, co-taught, MS, 2014-15

UNIVERSITY OF TENNESSEE: Ecosystem ecology laboratory, BS, 2010-14; General ecology, BS, 2009-14; Ecosystem ecology, BS, 2008-14; Ecology & global change seminar, 2008-14; Graduate Independent study, MS/PhD, 2008-14; Undergraduate research, 2008-14; Undergraduate independent study, 2008-14; Advanced ecology, co-taught, MS/PhD, 2010-13; Ecology & evolutionary biology seminar, MS/PhD, 2005-14; Mycorrhizal ecology, BS, 2005-14; Graduate seminar on writing, 2005-14; Science Education seminar, PhD, 2009-10; Undergraduate independent study, 2008-14; Advanced ecosystem ecology, BS, 2011; Introduction to faculty research, MS/PhD, 2008-09

SELECTED NATIONAL/INTERNATIONAL GRANTS & AWARDS TO ADVISEES

Garden Club of America: Mary T. Carothers Summer Environmental Studies Scholarship, P. Falb, BS, 2024, 2023

Fulbright Scholar: E. Waldron, BS Mount Holyoke College, 2024; K. Rewcastle, BS, UTK 2016

Fulbright Scholar honorable mention: P. Falb, BS U-M, 2025, K. Rewcastle, BS UTK, 2015

National Science Foundation Graduate Research Fellowship Program: MS, E O'Brien, 2020; BS, K. Rewcastle, 2017; BS K. Connell, 2017; BS, A. Pennyworth, 2015; BS, L. Breza, 2013; PhD, L. Moorhead, 2012; PhD, E. Austin, 2007

National Science Foundation Graduate Research Fellowship Program honorable mention: PhD, Aadia Moseley-McCloud 2025; PhD, A. Di Landro, 2025; PhD, R. Montgomery-Taylor, 2025; BA, P. Flab, 2025; PhD, O. Vought, 2020; PhD, J. Moore, 2011, 2010; PhD, E. Austin, 2006

US National Science Foundation post-doctoral fellowship: E. Meineke, 2017

Marie-Currie Post-doctoral fellowship: D. Hewins, 2016, declined

Sigma Xi grant in aid of research: K. Rewcastle, BS, 2014; S. Wood, BS, 2013

US National Science Foundation GROW fellowship: L. Moorhead, PhD, 2014

US National Science Foundation EAPSI fellowship: J. Henning, PhD, 2014

US Department of Energy Marvin L. Wesley Award: M. Cregger, PhD, 2012; C. Iversen, PhD, 2008

American Association of University Women fellow: L. Souza, post-doc, 2011

US Department of Defense, SMART fellow: M. Cregger, PhD, declined

US Department of Energy GREF fellowship: M Cregger, PhD, 2008; C. Iversen, PhD

US National Science Foundation Dissertation Improvement Grant: C. Iversen, PhD, 2007

GRADUATE STUDENT ADVISEES

CURRENT

- Ariana Di Landro, PhD (2025-)
- Aadia Moseley-McCloud, PhD (2025-)
- Ronan Montgomery-Taylor, PhD (2025-)
- Giovanna Munoz-Gonzalez, MS (2025-)
- Brenda Hernández, PhD (2024-)
- Barryette Oberholzer, PhD, SLU, Umeå, Sweden (2022-), co-advised Paul Kardol
- Kohsuke Tanigawa, PhD, SLU, Umeå, Sweden (2022-), co-advised Paul Kardol
- Olivia Vought, PhD (2021-)

- Indira León, PhD, Victoria University of Wellington, NZ (2021-), co-advised with Julie Deslippe

FORMER [CURRENT INSTITUTION]

- Aadia Moseley-McCloud (MS 2025) PhD Student, U-Michigan
- Jim Den Uyl (PhD 2025) Victoria University of Wellington, NZ
- Brenda Hernández (MS 2024) PhD Student, U-Michigan
- Sorrel Hartford (MS 2023) Organic farming
- Elizabeth O'Brien (MS 2023) Consultant, Climate Risk Modeling
- Kenna Rewcastle (PhD 2021) Scientist, EPA Office of Air & Radiation, USA
- Justyna Giejstowt (PhD 2019) Senior Ecologist and Botanist, Wildlands Consulting, New Zealand
- Ji "Sonamkyi" Suonan (PhD 2017) Associate Professor, Qinghai Normal University, China
- Jeremiah Henning (PhD 2017) Assistant Professor, U-South Alabama, USA
- Leigh Moorhead (PhD 2017) United States EPA, USA
- Elizabeth Dent (MS 2017)
- Jessica Moore (PhD 2016) Lecturer, U-Tennessee, USA
- Aurelija Petkevičienė (MS 2015) Regulatory Affairs Specialist Baltics, Bayer
- Emily Austin (PhD 2013) Data Scientist, New Hampshire, USA
- Melissa Cregger (PhD 2012) Senior Staff Scientist, Oak Ridge National Laboratory, USA
- Colleen Iversen (PhD 2008) Group Leader, Oak Ridge National Laboratory, USA

GRADUATE STUDENT - ROTATIONS, EXTERNAL COMMITTEE MEMBER, EXAMINER [*year graduated*]

Anna Croft, PhD, Université de Sherbrooke, Sherbrooke, Quebec, Canada (2024); McKenzie Smith, PhD, Tulane University, New Orleans, Luisiana (2022-24); Evan Perkowski, PhD Texas Tech University, Lubbock, Texas (2023); Sydne Spinella, MS U-Texas El Paso, Texas (2022); Fiona Jevon, PhD Dartmouth College, New Hampshire (2020); Julia Kemppinen, PhD U-Helsinki, Finland (2020); Pernilla Borgström, PhD Swedish U-Agricultural Sciences, Sweden (2017); Kirk Barnett, PhD Western Sydney University, Australia (2017); Gesche Blume-Werry, PhD Umeå University, Sweden (2016); Nathaly Guerrero Ramirez, PhD iDiv, Germany (2016); Anna Stern Gren, PhD Lund University, Sweden (2014); Erin Cameron, PhD U-Alberta, Canada (2013); Christopher Habeck, PhD U-Wisconsin (2009); Shannon Pelini, PhD U-Notre Dame, Indiana (2008)

GRADUATE STUDENT COMMITTEE MEMBER [*current or year graduated*]

- U-M current: Hitaishi Desai, PhD SEAS (2024-); Quinn Moon, PhD EEB (2024-); Grace Zhang, PhD EEB (2021-)
- U-M graduated: Julia Eckberg, PhD EEB (2025); Samuel Schaffer-Morrison, PhD EEB (2025); Jennifer Wen, MS SEAS (2022)
- UVM: Rosaura Chapina, PhD (2019-); Lindsey Pett, PhD (2022); Natalia Aristizabal, PhD (2024); Amanda Northrop, PhD (2020)
- U-Copenhagen 2016: Carla Brenda Maldonado Goyzueta, PhD
- UTK 2016-18: Quentin Read, PhD; Lacy Chick, PhD; Sara Kuebbing, PhD; Rafael Zenni, PhD; Jeremy Chandler, PhD Micro; Melissa Burt, MS; Denise Kendall, PhD; Katie Stuble, PhD; Noelia Barrios, PhD; Amanda Alison, MS; Keith Post, PhD; Emmi Felker-Quinn, PhD; Joe Huges, PhD; Jarrod Blue, MS; Greg Crutsinger, PhD; Lara Souza, PhD; Windy Bunn, MS; Martin Nuñez, PhD

POSTDOCTORAL FELLOWS & VISITING RESEARCHERS

POSTDOCTORAL FELLOWS [current institution]

- Rose Brinkhoff, 2022-24, Centre for Environmental and Climate Science, Lund, Sweden
- Alison Bressler, 2022-23, Water Center, Graham Sustainability Institute, Michigan USA

- Melissa Pastore, 2020-23, US Forest Service, Minneapolis, Minnesota USA
- Kenna Rewcastle, 2021-22, US Environmental Protection Agency, Washington, DC
- Case Prager, 2017-21, US Department of State, Washington DC, USA
- Xin Jing, 2017-21, Professor, Lanzhou University, China
- Annelein Meisner, 2014-19, Scientist, Wageningen University, Netherlands
- Emily Meineke, 2017-18, Assistant Professor, U-California, Davis, USA
- Erin Cameron, 2015-18, Assistant Professor, Saint Mary's University, Nova Scotia, Canada
- Daan Blok, 2015-18, Dutch Research Council: The Hague, Netherlands
- Maja Sundqvist, 2014-17, Assistant Professor & Dean, SLU, Sweden
- Jiang Jiang, Professor, 2012-15, Professor, Nanjing Forestry University, China
- Emily Moran, 2010-12, Associate Professor, U-California, Merced, USA
- Lara Souza, 2009-12, Associate Professor & Associate Director, Biological Sciences, U-Oklahoma, USA
- Marie-Anne de Graaff, 2008-10, Professor & Associate Dean, Boise State University, Idaho, USA
- Paul Kardol, 2007-09, Professor, SLU, Sweden
- Hector Castro, 2006-08, Associate Core Director, U-Tennessee, USA

VISITING RESEARCHERS [affiliated institution]

- April Bermudez, 2021-22, NSF Post-Bac, Rocky Mountain Biological Laboratory, USA
- Cancan Zhao, 2018-19, Henan University, China
- M. Noelia Barrios Garcia Moar, 2018, Fulbright Fellow, Conicet, Argentina
- Mariano Rodriguez-Cabal, 2018, Fulbright Fellow, Conicet, Argentina
- Wenting Feng, Scientist, 2018, Chinese Academy of Agricultural Sciences, Beijing, China
- Xin Jing, 2016 & 2017, Peking University, China
- Laura Steffy, 2016, Primary School Teacher, Texas, USA
- Katarzyna Koszela, 2015-16, post-doc, U-Silesia, Poland
- Qiong Zhao, 2015, Institute of Applied Ecology at the Chinese Academy of Sciences, China
- Leslie Smith, 2012-13, Your Ocean Consulting, LLC, USA
- George Byrd, 2007-08, Ferrum College, Virginia, USA
- Xiongwen Chen, 2007, Alabama A&M University, Alabama, USA

UNDERGRADUATE STUDENT ADVISING & MENTORING

U-MICHIGAN HONORS STUDENTS

- 2025: Anna Wooten (EEB), Peter Falb (EEB), Kate Fitzsimmons (Chem)

HONORS STUDENT COMMITTEES

- U-M 2023-25**:** Ellie Keessen (EEB), Joanna Livingston (EEB), Nick Hyslop (PiTE), Annie Cress (EEB). 2022: Samantha King (SEAS), Eva Schwartz (EEB).
- UVM 2018-21: Olivia Vought, Laura Pinover, Gordon Coates, Julia Pupko, Colleen Yancey

FORMER UNDERGRADUATE & HIGH SCHOOL STUDENT RESEARCHERS

- U-M 2021-24: Benjamin Barney (Columbia University), Ada LaTarte (St. Paul Academy, Minnesota); Noah Manuszak (UM), Zoraya Piedra (Webster University), Emma Waldron (Mt. Holyoke College); Christopher Twig (UM), Marlana Peek (UM); Ariel Lindholm (UM).
- UM 2021-22: Julia Klinkman (UM, UROP), Sophia Arbani (UM), Lily MacKrell (UM); April Bermudez (UC Riverside), Paola Cruz-Martinez (Purchase College)
- UVM 2014-21: Olivia Vought (UVM); Siobhan Calhoun (U-Pennsylvania); Bailey Sharon (Western State); Ashley Silver (U-Toledo); Alex Linter (Pomona College); Rowan Pannier (UVM); Finn Quan-Shau (UVM); Olivia Vought (UVM); Carri Finkelstein (UVM); Allyssa McCutcheon (UVM); Gordon Coates (UVM); Laura

Pinover (UVM); Joscie Norris (UVM); Nichole Crothers (UVM); Karin Rand (UVM); Natalie Elizabeth Bingham (UVM); Zoe Albion, Allie Pankoff, Calla Sopko, Maya Dizack, Anna Malvin (UVM); Tom DeMouth (UVM); Caitlin Gosciminski (UVM)

- U-Copenhagen: Rowan Pannier (Crested Butte High School, CO); Raina Fitzpatrick (Haverford College); Ben Miller (UT); Brennan Flanagan (UT); Silvia Iradukunda (UT); Sarah Ottinger (UT); Helen Law (UT); Wyatt Arnold (U-Chicago); Magnus Heide Andreasen (KU)
- UTK 2009-15: Peter Meidl (UT); Monique Garett (Humboldt State); Kenna Rewcastle (UT/KU); Sara La Haie (UT); Sneha Patel (UT); Kent Cornell (UT); Nick Hendershot (UT); Brandy Pieper (UT); Nora Dunkirk (UT); Jaime Call (UT); Su'ad Yoon (UT/RMBL); Raina Fitzpatrick (West High School TN); Sarah Wood (UT); Kelsey Richesin (UT); Kelly Giro (UT); Alaina Marinello (UT); Corinne Calhoun (Pomona College); Courtney Patterson (UT); Matthew Floyd (UT); Katie Sloop (UT); Heather Tran (UT); Amanda Oaks (UT); Katie Park (Maryville University); Minh Tran (Emory); M Stephanie Jensen (UT); Gordon Robinson (UT); Danny Lusk (UT); Matt Olive (UT); Phoebe Wright (UT); Lauren Breza (UT); Jackie Aareson (UT); Tander Simberloff (Smith College); Alix Pfennigwerth (UT); Laura Marsh (UT); Tander Simberloff (West High School TN); Anna Proffitt (UT)
- ORNL 2005-08: John Bevans (U-Tampa); Kelly Rula (Bowdoin College); Elizabeth Ferguson (UT); Gloria Jimenez (Carleton College); Vanessa Garcia (Cal State, Fresno); Caitlin Guthrie (Pomona College); Jennifer Burks (Earlham College); Emily Austin (Hampshire College); Emmi Felker-Quinn (Smith College); Melissa Habenicht (UT); Zach Kiershmann (UT); Sarah Kortebein (Farragut High School TN); Onike Mnzawa (UT); Sharon Gray (U of Illinois); Emily Mitchell (Oak Ridge High School TN); Rebecca Roha (Gettysburg College); Marlene Tyner (U of Michigan); Luke Zachmann (U of Minnesota, Morris); Katherine Sides (Northern Arizona University); Katrina Cox (Pellissippi Community College); Kerri Crawford (UT); Caroline DeVan (UT); Sam Freyaldenhoven (Hendrix College)

UNDERGRADUATE ACADEMIC ADVISEES

- UVM 2016-20: 185 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors
- UTK 2010-16: P. Meidl; K. Rewcastle; C. Thomas; C. Blanks; S. Wood; B. Williams; C. Murphy; C. Grabstein; B. Moreno; J. Carney; C. Whitt; M. Hayes; S. Rhodes; L. Barlow; K. Richesin; A. Pfennigwerth; M. Sullivan; M. Olive; C. Caponet; G. Bragg; P. Wright

PEER-REVIEWED PUBLICATIONS

GOOGLE SCHOLAR H-INDEX = 59, # OF CITATIONS = 17,530

*undergraduate student, **graduate student, ⁺postdoctoral fellow, ^research lab member

at time of contribution

In review

- Eskelinen A, Andrzejak M, Harpoon WS, Harrison S, Classen AT, Jessen MT, Laine AL, Pichon N, Risch A, Alexander A, Zarnetske P, Korell L (*in review*) Biotic modulators of global change effects on plant communities. ***PNAS***
- Foster J, Pastore M⁺, Rank K^, English M^, Classen AT, King D, Lutz, D, Nelson S, D'Amato AW, Adair C (*in review*) Climatology of cold-air pooling and thermal belt formation in montane watersheds and forests of the Northeastern US from MODIS data. ***Forest and Agricultural Meteorology***
- Guan X, Jiang J, Classen AT, Ulah S, Brangari A, Wang G (*in review*) Disentangling the contribution of mycorrhizal fungi on soil organic carbon dynamics: a simulation model based study. ***Soil Biology & Biochemistry***
- Kempel *et al.* (in review) The Bug-Network (BugNet): a global research network to assess the impact of invertebrate herbivores and pathogens on plant communities and ecosystem functioning. ***Ecology & Evolution***
- Kuťáková E, Stang ZR, Hupperts S, Nilsson Hegethorn M-C, Classen AT, Gundale M, Sundqvist MK (*in review*) Whole-seedling trait adjustments of a subarctic tree under contrasting environmental conditions. ***Oikos***

- Leon-Gara IV**, Classen AT, Giejsztowt J**, Deslippe J (*in review*) Long-term warming and dominant species removal alter plant community composition in invaded alpine tussock grasslands in New Zealand. ***Journal of Vegetation Science***
- Mallen-Cooper M+, Sundquvist MK, Wardle DA, Šarlej R, Brinkhoff RE+, Classen AT, Kutáková K, Metcalfe DB, Barrios-Garcia MN, Deslippe JR, Kobayashi M, Mallen-Cooper J, Oberholzer B, Paritsis J, Puissant J, Rodriguez-Cabal MA, Tanigawa K, Veen SE, Kardol P (in review) Decoupled climatic drivers of tree and ground-layer carbon uptake in mountain ecosystems around the world. ***Global Change Biology***
- Šarlej R, Classen AT, Jämtgård S, Pya Arnquist N, Sundqvist M, Wardle DA, Kardol P (in prep) Nonlinear interactive effects of temperature and soil moisture on plant biomass and carbon fluxes. ***OIKOS***
- Schulman HB+, Pyle JAM, Classen AT, Inouye D, Simberloff R, Sorensen P, Thomas IV W, Rudgers JA, Kivlin SN (*in review*) Nutrient limitation shapes metabolic strategy of mycorrhizal fungal-bacterial phosphorus cycling. ***mSystems***
- Souza L, Classen AT, Rudgers JA, Miller ML, Pyle JAM, Simberloff R, Fordyce JA, Harte J, Kivlin SN (*in review*) Experimental warming decouples plant-fungal symbiont interactions and leads to a more conservative ecosystem. ***PNAS***
- Suonan J, Xuwei L, Michalet R, Liancourt P, Classen AT, Wang W, Miao Q, Sun F, Tsering L (*in review*) tolerance increases with plant height among co-occurring alpine species. ***Arctic, Antarctic, and Alpine Research***
- Vought O**, Kivlin S, Shulman H+, Sorensen P, Inouye D, Ibáñez I, Falb P*, Rand K^, Classen AT (*in review*) Earlier snowmelt reduces the strength of the carbon sink in montane meadows. ***Journal of Ecology***

In revision

- Brinkhoff RE+, Sanders NJ, Henning JA**, Newman G^, Prager C+, Read QD**, Rewcastle KE**, Sundqvist MK, Hovenden MJ, Souza L, Vought OK**, Classen AT (*in revision*) Dominant plant species increase the impact of warming on the carbon cycle at low, but not high elevation mountain sites. ***Journal of Ecology***
- Reed DE, Chu H, Peter BG, Chen J, Abraha M, Amiro B, Anderson RG, Arain MA, Arruda P, Barron-Gafford GA, Bernacchi C, Beverly DP, Biraud SC, Black TA, Blanken PD, Bohrer G, Bowler R, Bowling DR, Bret-Harte MS, Bretfeld M, Brunsell NA, Bullock SH, Celis G, Chen X, Classen AT, Cook D.R., Cueva A., Dalmagro H.J., Davis K., Desai A., Duff A.J., Dunn A.L., Durden D., Edgar C.W., Euskirchen E., Bracho R., Ewers B., Flanagan L.B., Florian C., Foord V., Forbrich I., Forsythe B.R., Frank J., Garatuza-Payan J., Goslee S., Gough C., Green M., Griffis T., Helbig M., Hill A.C., Hinkle R., Horne J., Humphreys E., Ikawa H., Iwahana G., Jassal R., Johnson B., Johnson M., Kannenberg S.A., Kelsey E., King J., Knowles J.F., Knox S., Kobayashi H., Kolb T., Kolka R., Krauss K.W., Kutzbach L., Lamb B., Law B., Lee S.-C., Lee X., Liu H., Loescher H.W., Malone S.L., Matamala R., Mauritz M., Metzger S., Meyer G., Mitra B., Munger J.W., Nesic Z., Noormets A., O'Halloran T.L., O'Keeffe P.T., Oberbauer S.F., Oechel W., Oikawa P., Olivas P.C., Ouimette A., Pastorello G., Perez-Quezada J.F., Phillips C., Posse G., Qu B., Quinton W.L., Reba M.L., Richardson A.D., Picasso V., Rocha A.V., Rodriguez J.C., Ruzol R., Saleska S., Scott R.L., Schreiner-McGraw A.P., Schuur E.A.G., Silveira M., Sonnentag O., Spittlehouse D.L., Staebler R., Starr G., Staudhammer C., Still C., Sturtevant C., Sullivan R.C., Suyker A., Trejo D., Ueyama M., Vargas R., Viner B., Vivoni E.R., Wang D., Ward E.J., Wiesner S., Windham-Myers L., Yannick D., Yepez E.A., Zenone T., Zhao J., Zona D. *Journal of Geophysical Research:* ***Agricultural and Forest Meteorology***
- van Galen L., Ruben Smith G., Margenot A., Waldrop M, Crowther T., Peay K., Jackson R., Yu K., Abrahão A., Talaat Ahmed, Alatalo J., Anslan S., Anthony M., Araujo A., Ascher-Jenull J., Bach E., Bahram M., Baker C., Baldrian P., Bardgett R., Barrios-Garcia MN, Bastida F., Beggi F., Benning L., Borg Dahl M., Bragazza L., Broadbent A., Cano-Díaz C., Cates A., Cerri C., S. Cesarz, Chen B., Classen AT, Delgado-Baquerizo M., Eisenhauer N., Evgrafova S., Fanin N., Fornasier F., Francisco R., Franco A., Frey S., Fritze H., García C., García-Palacios P., Gómez-Brandón M., Gonzalez-Polo

M., Gozalo B., Griffiths R., Guerra C., Hallama M., Hiiesalu I., Hossain M., Hu Y., Insam H., Jassey V., Jiang L., Kandeler E., Kohout P., Kõljalg U., Valentyna K., Li X., Lu J.-Z., Lu X., Lu S., Lutz S., Mackie-Haas K., Maestre F., Malmivaara-Lämsä M., Mangelsdorf K., Manjarrez M., Marhan S., Martin A., Mason K., Mayor J., McCulley R., Moora M., Morais P., Muñoz-Rojas M., Murugan R., Nottingham A., Ochoa V., Ochoa-Hueso R., Oja J., Olsson P. A., Öpik M., Ostle N., Peltoniemi K., Pennanen T., Png K., Poll C., Põlme S., Potapov A., Priemé A., Pritchard W., Puissant J., Rocha S., Rosinger C., Rueß L., Sanchez-Pescador D., Sayer E., Scheu S., Sinsabaugh R., Slaughter L., Soudzilovskaia N., Sousa J., Stanish L., Sugiyama S., Tedersoo L., Trivedi P., Vahter T., Voříšková J., Wagner D., Wang C., Wardle D., Whitaker J., Yang Y., Zhong Z., Zhu K., Ziolkowski L., Zobel M., van den Hoogen J. (in revision) Global links between soil microbes and biogeochemical functions. ***Scientific Data***

- Vought OK**, Sanders NJ, Ibáñez I, Sundqvist MK, Henning JA**, Prager CM+, Read QD**, Rewcastle KE**, Classen AT (*in revision*) Effects of warming and dominant species removal on plant biomass are driven by early-season production. ***Ecology Letters***
- Wang J, DE Reed, AT Classen, A Knohl, A Varlagin, A Ouimette, AR Desai, B Heinesch, CV Hanson, CM Gough, C Still, D Bonal, D Yakir, D Baldocchi, ES Tuittila, EP Sanchez-Cañete, E Vivoni, E Euskirchen, G Manca, G Starr, G Simioni, JM Limousin, J Wood, J Chen, J Dušek, L Sigut, L Montagnani, L Gu, MA Arain, MS Bret-Harte, M Schmidt, M Ueyama, M Peichl, M Rodeghiero, N Delpierre, N Buchmann, PD Blanken, RM Staebler, SL Malone (*in revision*) Compensating thermal acclimation dampens warming-induced ecosystem respiration. ***Nature***

Published

122. Li X, Guo W, He H, Wang H, Classen AT, Wu D, Ma Y, Wang Y, He J, Xu X (2025) Tradeoff between spring phenological sensitivities to temperature and precipitation across species and space in alpine grasslands over the Qinghai-Tibetan Plateau. ***New Phytologist*** 246(2):377-806.
121. Propson BE**, Zak DR, Classen AT, Burton AJ, Freedman ZB (2024) Gains in soil C storage under anthropogenic N deposition are rapidly lost following its cessation. ***Ecology*** https://doi.org/10.1002/ecy.4444
120. Jing X, Classen AT, Li D, Lin L, Mingzhen L, Sanders NJ, Wang Y, Feng W (2024) The overlooked third dimension: soil depth drives microbial community structure and function along a salinity gradient. ***Ecography*** doi.org/10.1111/ecog.07118
119. Pastore MA+, Classen AT, D'Amato AW, English ME^, Rand K^, Foster JF, Adair EC. (2024) Frequent and strong cold-air pooling drives temperate forest composition. ***Ecology & Evolution*** doi.org/10.1002/ece3.11126
118. Potapov AM, CA Guerra, J van den Hoogen, A Babenko, BC Bellini, MP Berg, SL Chown, L Deharveng, Ľ Kováč, NA Kuznetsova, J Ponge, MB Potapov, DJ Russell, D Alexandre, JM Alatalo, JI Arbea, I Bandyopadhyay, V Bernava, S Bokhorst, T Bolger, G Castaño-Meneses, M Chauvat, T-W Chen, M Chomel, AT Classen, J Cortet, P Čuchta, A Manuela de la Pedrosa, SSD Ferreira, C Fiera, J Filser, O Franken, S Fujii, EG Koudji, M Gao, B Gendreau-Berthiaume, DF Gomez-Pamies, M Greve, IT Handa, C Heiniger, M Holmstrup, P Homet, M Ivask, C Janion-Scheepers, M Jochum, S Joimel, BCS Jorge, E Jucevica, L Carlos Iuñes de Oliveira Filho, O Klauberg-Filho, D Baretta, EJ Krab, A Kuu, ECA de Lima, D Lin, A Liu, J Lu, MJ Luciañez, MT Marx, MM McCary, MA Minor, T Nakamori, I Negri, R Ochoa-Hueso, JG Palacios-Vargas, MM Pollierer, P Querner, N Raschmanová, Muhammad Imtiaz Rashid, LJ Raymond-Léonard, L Rousseau, RA Saifutdinov, S Salmon, EJ Sayer, N Scheunemann, C Scholz, J Seeber, YB Shveenkova, SK Stebaeva, M Sterzynska, X Sun, WI Susanti, AA Taskaeva, MP Thakur, MA Tsiafouli, MS Turnbull, MN Twala, AV Uvarov, LA Venier, LA Widenfalk, BR Winck, D Winkler, D Wu, Z Xie, R Yin, D Zeppelini, TW Crowther, N Eisenhauer, S Scheu (2024) Global fine-resolution data on springtail abundance and community structure. ***Scientific Data*** 11:22. doi.org/10.1038/s41597-023-02784-x
117. Spinnella S**, Classen AT, Sanders NJ, McLaren JR (2024) Context dependence of warming induced shifts in montane soil microbial functions. ***Functional Ecology*** 38:1199–1209 https://doi.org/10.1111/1365-2435.14538

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