

EDUCATION	Ph.D. University of Oregon , Biology	2022
	M.S. Penn State University , Soil Science	2017
	B.S. Cornell University , Plant Sciences	2014
RESEARCH	Postdoctoral Scholar , University of Oregon	2022 to present
APPOINTMENTS	NSF Graduate Research Fellow	2016 to 2021
	ARCS Scholar	2017-2020
	Graduate Employee , University of Oregon	2017-2018
	Graduate Research Assistant , Penn State University	2015-2017
	Research Assistant , University of Delaware	2015
PUBLICATIONS	<ol style="list-style-type: none"> 6. Morris, A. H., Isbell, S. A., Saha, D., and Kaye, J. P. 2021. "Mitigating nitrogen pollution with undersown legume-grass cover crop mixtures in winter cereals" <i>Journal of Environmental Quality</i> doi:10.1002/jeq2.20193 5. Isbell, S. A., Bradley, B. A., Morris, A. H., Wallace, J. M., Kaye, J. P. 2021. "Nitrogen dynamics in grain cropping systems integrating multiple ecologically-based management strategies" <i>Ecosphere</i> doi:10.1002/ecs2.3380 4. Meyer, K. M., Morris, A. H., Webster, K., Klein, A., Kroegerv, M. E., Meredith, L. K., Brændholt, A., Nakamurat, F., Venturini, A., Fonseca de Souzat, L., Shek, K. L., Danielson, R., van Haren, J., Barbosa de Camargot, P., Tsait, S. M., Dini-Andreote, F., Nüsslein, K., Saleska, S. R., Rodrigues, J. L. M., Bohannan, B. J. M. 2020. "Belowground changes to community structure alter methane-cycling dynamics in Amazonia" <i>Environment International</i> doi:10.1016/j.envint.2020.106131 3. Meyer, K. M., Hopple, A. M., Klein, A., Morris, A.H., Bridgham, S. D., Bohannan, B. J. M. 2020. "Community structure-ecosystem function relationships in the Congo Basin methane cycle depend on the physiological scale of function." <i>Molecular Ecology</i>. doi:10.1111/mec.15442 2. Morris, A. H., Meyer, K. M., Bohannan, B. J. M. 2020. "Linking microbial communities to ecosystem functions: what we can learn from genotype-phenotype mapping in organisms" <i>Philosophical Transactions of the Royal Society B</i>. doi:10.1098/rstb.2019.0244 1. Seyfferth, A. L., Morris, A. H., Gill, R., Kearns, K. A., Mann, J. N., Paukett, M., and Leskanic, C. 2016. "Soil-incorporation of silica-rich rice husk decreases inorganic As in rice grain." <i>Journal of Agricultural and Food Chemistry</i>, 64(19):3760–3766 doi:10.1021/acs.jafc.6b01201 	
PRE-PRINTS	<ol style="list-style-type: none"> 1. Morris, A. H. and Bohannan, B. J. M. 2023. "Response of soil microbiome composition to selection on methane oxidation rate." <i>BioRxiv</i> doi:10.1101/2023.06.23.546315 	
IN PREP	<ol style="list-style-type: none"> 1. Morris, A. H. and Bohannan, B. J. M. "Microbiome heritability and the evolution of host-level traits." in prep 	
AWARDS	University of Oregon, Graduate School	
	• Elma Hendricks Scholarship	2018
	• William R. Sistrom Memorial Scholarship	2018
	• Oregon ARCS Scholar	2017

The Pennsylvania State University, Graduate School		
	• Distinguished Master's Thesis Award	2017
	• NSF Graduate Research Fellowship Award	2016
	• Annie's Sustainable Agriculture Scholarship	2016
	• Scarlet Graduate Fellowship in Watershed Stewardship Award	2015
	• Katherine Mabis McKenna Fellowship Award	2015
Cornell University and Ithaca College, Undergraduate		
	• Hatch/Multistate Grant	2013
	• Flora Brown Award	2010
PRESENTATIONS AND POSTERS	<ul style="list-style-type: none"> • Morris, A. H., Bohannon, B. J. M. Artificial ecosystem selection reveals relationships between microbiome composition and ecosystem function. ISME Meeting. Lausanne, Switzerland. 2022 • Morris, A. H., Meyer, K. M., Bohannon, B. J. M. Linking microbial communities to ecosystem functions: what we can learn from genotype-phenotype mapping in organisms. Achievement Rewards for College Scientists Annual Luncheon. Portland, OR. 2019 • Morris, A. H., Isbell, S., Kaye, J. Improving nitrogen retention of agroecosystems using interseeded cover crops. Ecological Society of America. Portland, OR. 2017 • Morris, A. H., Isbell, S., Kaye, J. Mitigating nitrogen pollution by interseeding cover crops into spelt. Sustainable Agriculture Cropping Systems Symposium. State College, PA. 2017 • Morris, A. H., Kaye, J. P. Managing Inter-Seeded Cover Crops and Tillage to Decrease Nitrate Leaching and Nitrous Oxide Emissions from Agricultural Soils. Soil Science Society of America Meeting. Phoenix, Arizona. 2016 • Morris, A. H., Isbell, S., Kaye, J. Kemanian, A. Managing cover crops and tillage to decrease nitrogen pollution from organically managed soils in Pennsylvania. Sustainable Agriculture Cropping Systems Symposium. State College, PA. 2016 • Seyfferth, A. L., Morris, A. H., Kearns, K., Mann, J., Teasley, W., Limmer, M., Amaral, D.. Impacts of Increased Soil Si on Fe Mineral Composition and As Cycling in Rice Paddies. Soil Science Society of America Meeting. Minneapolis, Minnesota. 2015 • Teasley, W., Seyfferth, A. L., Morris, A. H., Johansson, A. The Effect of Si Amendments on As Accumulation and Greenhouse Gas Emissions in Rice (<i>Oryza sativa</i> L). Soil Science Society of America Meeting. Minneapolis, Minnesota. 2015 	
TEACHING APPOINTMENTS	Faculty, Juneau Icefield Research Program: Geobotany and Ecology Guest Lecture, University of Oregon: Ecology and Evolution, Evolutionary Processes Teaching Assistant, University of Oregon: Ecology and Evolution Teaching Assistant, University of Oregon: Genetics and Molecular Biology Teaching Assistant, University of Oregon: Cells Teaching Assistant, Penn State University: Soil Science	2018 2018 2018 2018 2017 2017
MENTORSHIP	Graduate student peer mentor, IE ² , University of Oregon Rotation student mentor, Bohannon Lab, University of Oregon Undergraduate student mentor, Kaye Lab, Penn State University Undergraduate student mentor, Seyfferth Lab, University of Delaware	2020-2021 2019 2016 2015
SERVICE	Student Volunteer at the Ecological Society of America meeting, Portland, OR Reviewer for Nature Ecology and Evolution, American Naturalist, Scientific Data, Environmental Microbiology, FEMS Microbiology Ecology	2017