Last updated: October 2023

ADRIANA L. ROMERO-OLIVARES
Assistant Professor, Department of Biology
New Mexico State University,
PO Box 30001, MSC 3AF, Las Cruces, NM, USA 88003
Office phone: +1 575 646 3265, Mobile: +1 949 812 2941
E-mail: alro@nmsu.edu; Website: http://fungiloverlab.com

EDUCATION

Ph.D. in Biological Sciences, University of California Irvine, 2017
M.S. in Molecular Ecology and Biotechnology, Autonomous University of Baja California, 2010
B.S. in Biology, Autonomous University of Baja California, 2008

APPOINTMENTS

Assistant Professor, Department of Biology, New Mexico State University, August 2020-present
Diversity and Innovation Scholar, Department of Natural Resources and the Environment, University of New Hampshire, 2019-2020
Postdoctoral Research Associate, Department of Natural Resources and the Environment, University of New Hampshire, 2017-2019
Project Scientist, Department of Microbiology, Center for Scientific Research and Higher Education of Ensenada, 2010-2012

HONORS, AWARDS, AND FELLOWSHIPS (last 10 years)

- Ecological Society of America, Excellence in Ecology, 2021-2023; $5,000
- Fiber and Fungi Symposium Scholarship, 2022; $2,000
- Mycological Society of America, Interchange Ambassador, 2021; $2,000
- Mycological Society of America, outstanding service as chair of the Diversity & Inclusion Committee, 2019
- University of New Hampshire, Diversity and Innovation Scholar, 2019-2020; $150,000
- Ecological Society of America Travel Award, 2019; $1,000
- Dynamic Womxn of UCI, Academic Achievement, 2017
- CONACyT graduate studies, Scholarship, 2012-2017; $235,000
- National Conference for College Women Student Leaders, Scholarship, 2017; $2,000
- University of California Irvine, Miguel-Velez Award, 2013, 2016; $20,000
- UCMEXUS-CICESE, research award, 2016; $1,000
- University of California Irvine, Dr. William Holocomb Scholarship, 2015; $1,000
- American Association of University Women, International fellowship, 2014-2015; $30,000
- FESIN-Wikipedia Travel Award, 2013; $1,000

- Ministry of Public Education of Mexico, 2013; $10,000

GRANTS (since August 2020)

Funded

- PI, resubmission, NIH Support for Research Excellence (SuRE) R16, “Assessing the relationship between fungal pathogenicity and climate change and the risk of emergent pathogens in a changing climate”; $732,848; 2023
- PI, NSF Building Research Capacity for New Faculty in Biology, “A trait-based approach to determine fungal responses to global change drivers”; $500,000; 2023
- PI, Jornada LTER seed funds: “Assessing abiotic and biotic controls on microbial roles in dryland primary production and carbon processes”; $38,000; 2023
- Co-PI, NSF IRES Track I: Collaborative Research: “GYP-NEXTGEN: Empowering future scientists within an international consortium focused on gypsum plant communities”; $110,069; 2022
- Collaborator/host, Danish National Research Council: “Aboveground – belowground functional interactions between plant effect traits and fungal response traits in forests”; funds postdoctoral scholar research stay in my lab at NMSU; 2023
- Associate Investigator, Marsden-Fast Grant of New Zealand: “Turning up the heat on soil food webs: will global warming erode ecosystem resilience?”; $25,000; 2023
- Senior personnel, NSF Predictive Intelligence for Pandemic Prevention, “Center for pathogen observation and policy”; $25,000; 2022
- PI, NM-INBRE Developmental Research Project (DRPP), “Effects of global climate change on pathogenic soil microbial communities”; $30,000; 2021, 2022, 2023
- PI, Arrowhead center, “Identifying fungal contaminants in wood blocks for business Full Circle Mushrooms”; $5,000; 2021
- Co-PI, NASA Plant the Moon, “Using moon-like rock substrate simulant to grow crops and edible mushrooms”; $5,000; 2021

PUBLICATIONS

18 peer-reviewed (P), 1 book chapters (B), 3 other (O)
Google Scholar h-index, 13
ORCID: 0000-0003-0287-3043
*corresponding author, +lead author, =equal contribution, ^mentored undergraduate student, ^^mentored graduate student

Published

(P) Hansen F., James D.K., Anderson J.P., Meredith C.S., Dominguez A.J., Pombubpa N., Stajich J.E., **Romero-Olivares A.L.**, Salley S.W., Pietrasiak N., 2023. Lanscapre characteristics shape surface soil microbiomes in the Chihuahuan Desert, Frontiers in Microbiology, DOI: https://doi.org/10.3389/fmicb.2023.1135800.

(O) American Academy for Microbiology Report, Challenges for integrating microbes into climate change models, https://asm.org/Reports/Microbes-in-Models-Integrating-Microbes-into-Earth

(P) **Romero-Olivares A.L.***, Kramshøj M., Davie-Martin C.L., Rinnan R., Frey S. Soil volatile organic compound emissions in response to soil warming and nitrogen deposition, Elementa: Science of the Anthropocene, DOI: 10.1525/elementa.2021.00065.

(P) Haelewaters D., Hofmann T.A., **Romero-Olivares A.L.*⁺,** 2021. Ten simple rules for Global North researchers to stop perpetuating helicopter research in the Global South, Plos Computational Biology, DOI:10.1371/journal.pcbi.1009277.

(P) Ishaq S., Parada Flores F., Wolf P., Bonilla C., Carney M., Benezra A., Wissel E., Friedman M., DeAngelis K., Robinson J., Fahimipour A., Manus M., Grieneisen L., Dietz L., Chauhan A., Pathak A., Kuthyar S., Stewart J., Dasari M., Nonnamaker E., Choudoir M., Horve P., Zimmerman N., Kozik A.J., Darling K., **Romero-Olivares A.L.**, Hariharan J., Farmer N., Maki K., Collier J.L., O'Doherty K., Letourneau J., Kline J., Moses P., and Morar N., 2021. Introducing the Microbes and Social Equity Working Group: Considering the Microbial Components of Social, Environmental, and Health Justice, mSystems, DOI: 10.1128/mSystems.00471-21.

(P) Defrenne, C.E., Abs, E., Longhi Cordeiro, A., Dietterich, L., Hough, M., Jones, J.J., Kivlin, S.N., Chen, W., Cusack, D., Franco, A.L.C., Khasanova, A., Stover, D., **Romero-Olivares, A.L.⁺**, 2021**.** The Ecology Underground coalition: building a collaborative future of belowground ecology and ecologists, New Phytologist, DOI: 10.1111/nph.17163.

(P) **Romero-Olivares A.L.***, Morrison, E.W., Pringle, A., Frey, S.D., 2021. Linking genes to traits in fungi. Microbial Ecology, DOI: 10.1007/s00248-021-01687-x

(P) Xie H.W, **Romero-Olivares A.L.**, Guindani M., Allison, S.D., 2020. A Bayesian approach to evaluation of soil biogeochemical models. Biogeosciences, DOI: 10.5194/bg-2020-23.

(P) **Romero-Olivares A.L.***, Meléndrez-Carballo G., Lago-Lestón A., Treseder K.K., 2019. Soil metatranscriptomes under long-term experimental warming and drying: fungi allocate resources to cell metabolic maintenance rather than decay. Frontiers in Microbiology, DOI: 10.3389/fmicb.2019.01914.

(B) DeAngelis K. M., Chowdhury P.R., Pold G., **Romero-Olivares A.L.**, Frey, S., 2019. Ecosystem Consequences of Soil Warming Microbial Responses to Experimental Soil Warming: Five Testable Hypotheses. Elsevier Inc. DOI: 10.1016/B978-0-12-813493-1.00001-7.

(P) ⁼Allison S.D., ⁼**Romero-Olivares A.L.**, Lu. Y., Taylor J.W., Treseder, K.K, 2018. Temperature acclimation and adaptation of enzyme physiology in *Neurospora discreta*. Fungal Ecology, DOI: 10.1016/j.funeco.2018.07.005.

(P) Allison S.D., **Romero-Olivares A.L.**, Lu Y., Taylor J.W., Treseder, K.K., 2018. Temperature sensitivities of extracellular enzyme Vmax and Km across thermal environments. Global Change Biology, DOI: 10.1111/gcb.14045.

(P) **Romero-Olivares A.L.***, Allison S.D., Treseder K.K., 2017. Decomposition of recalcitrant carbon under warming in boreal forest. PlosOne, DOI: 10.1371/journal.pone.0179674.

(P) **Romero-Olivares A.L.***, Allison S.D., Treseder K.K., 2017. Soil microbes and their response to experimental warming over time: a meta-analysis of field studies. Soil Biology and Biochemistry, DOI: 10.1016/j.soilbio.2016.12.026.

(O) **Romero-Olivares A.L.**, **2017.** Ph.D. Dissertation, “Adaptation of soil fungi to warming and consequences to decomposition and the carbon cycle”, University of California.

(P) Treseder K.K., Marusenko Y., **Romero-Olivares A.L.**, Maltz M.R., 2016. Experimental warming alters potential function of the fungal community in boreal forest. Global Change Biology, DOI: 10.1111/gcb.13238.

(P) **Romero-Olivares A.L.***, Taylor J.W., Treseder K.K., 2015. *Neurospora discreta* as a model to assess adaptation of soil fungi to warming. BMC Evolutionary Biology, DOI: 10.1186/s12862-015-0482-2.

(P) Vargas-Gastélum L., **Romero-Olivares A.L.**, Escalante A.E., Brizuela C., Rocha-Olivares A., Riquelme M., 2015. Impact of seasonal changes on fungal diversity of a semiarid ecosystem revealed by 454 pyrosequencing. FEMS Microbiology Ecology, DOI: 10.1093/femsec/fiv044.

(P) Catalán-Dibene J., Johnson S.M., Eaton R., **Romero-Olivares A.L.**, Baptista-Rosas R.C., Pappagianis D., Riquelme M., 2014. Detection of coccidioidal antibodies in serum of a small rodent community in Baja California, Mexico. Fungal Biology, DOI: 10.1016/j.funbio.2014.01.006.

(P) **Romero-Olivares A.L.**, Baptista-Rosas R.C., Escalante A.E., Bullock S., Riquelme M., 2013. Distribution patterns of Dikarya in arid and semiarid soils of Baja California, Mexico. Fungal Ecology, DOI: 10.1016/j.funeco.2012.09.004.

(P) Baptista-Rosas R.C., Catalán-Dibene J., **Romero-Olivares A.L.**, Hinojosa A., Cavazos-Perez M.T., Riquelme M., 2012. Molecular detection of *Coccidioides* spp. from environmental samples in Baja California: linking Valley Fever to soil and climate conditions. Fungal Ecology, DOI: 10.1016/j.funeco.2011.08.004.

(O) **Romero-Olivares A.L., 2010.** M.S. Dissertation**,** “Characterization of the fungal biodiversity of arid ecosystems of Baja California, Mexico”, Autonomous University of Baja California.

Submitted (can provide upon request)

Romero-Olivares A.L.*[+], Frey S.D., Treseder K.K., “Tracking species-level fungal responses to long-term field experimental warming and drying”, *in revision*, FEMS Microbiology Letters.

Lopez A.^^, Anthony M., Catalan-Dibene J., Ferrenberg S., Osborne B., Reed S., **Romero-Olivares A.L.***+, "Dryland fungi are spatially heterogeneous and resistant to global change drivers in the northern Chihuahuan Desert", *in review*, Ecology.

TEACHING EXPERIENCE

Instructor of record

- Adaptation of Biological Systems to Global Climate Change – upper division class; enrollment 10-35 students (Spring 2020, 2021, Fall 2022, 2023)
- General Microbiology – lower division class, enrollment 90-130 students (Fall 2021, 2022, 2023)
- Medical Microbiology – upper division class, enrollment 30-40 students (Spring 2021, 2022, 2023)
- Fungal Microbiology – graduate course, enrollment 20 students (Spring 2011)
- Systematics and Conservation – upper division class, enrollment 10 students (Spring 2011)

Invited lectures

- New Mexico State University, invited lecture in soil ecology class, 2021
- New Mexico State University, invited lecture on microbial ecology for MARC scholars, 2021
- California State University San Marcos, "Genomics class on microbial responses to climate change: from tiny genes to big ecosystems", 2020
- Technological Institute of Tijuana, "Entendiendo el cambio climático a escalas: de genes a ecosistemas", 2020
- New Mexico State University, "Microbial responses to climate change: from tiny genes to big ecosystems", 2020
- University of New England, "Environmental justice - why should we care?", 2020
- University of New England, "Empowering people to deal with the effects of climate change", 2020

STUDENTS AND MENTORING EXPERIENCE (since August 2020)

*Independent research project

Undergraduates/post-bac/technicians (14)
Graduate students (4)

- *Sarah Ramirez, Master's degree student – 2022-present
- *Emily Embury, Master's degree student – 2022-present
- *Gisell Valdez, Visiting PhD student – 2023-present
- *Abril Romero, Maximizing Access to Research Careers (MARC) undergraduate student, Biology and Biochemistry – 2022-present
- *Shad Abubaker, Chemical Engineering – 2022-present
- *Caleb Jimenez, Biology (transferred from El Paso Community College) – 2023-present

- *Maya Claussen, Fish and Wildlife – 2023-present
- *Karim Rojo, Biology major – 2023-present
- *Meghan Aguilera, Chemistry major – 2023-present
- *Harrison Kaspar – NISE Undergraduate 2023 Summer Student (New Mexico Tech)
- *Vipul Konda – Computer Sciences, 2023 Summer Graduate Student
- *Marcos Marmolejo, MARC undergraduate student, Biology, 2021-2023
- *Daniela Palacios, NM Alliance for Minority Participation (NM-AMP) undergraduate student, Chemical Engineering – 2021-2023
- Andrea Lopez, lab technician – 2021-2023
- Diego Ruiz, Biology – 2021-2022
- Jessica Bennett, Biology – 2021-2023
- Co-mentor – Harvard Forest Research Experience for Undergraduate (REU), 2021; *Emily Embury, *Jennie Wuest, *Jonathan Carcache

INVITED SEMINARS

- University of California Berkeley, 2023
- Arizona State University, 2023
- Syracuse University, 2023, Keynote speaker for the Jack & Pat Bryan Life Sciences Distinguished Lecture Series at Syracuse University
- Rutgers University, 2022
- UNAM Horizons in Genomics, 2023
- Northern New Mexico College, 2022
- Pacific Northwest National Laboratory - EMSL, 2022
- El Zoominario, University of Wisconsin Madison, 2022
- New Mexico State University, 2021
- Indiana University Bloomington, 2021
- Autonomous University of Baja California, 2021
- University of Arizona, 2021
- University of Wisconsin Madison, 2021
- Stanford University, 2021
- University of San Francisco, 2021
- University of Oregon, 2021
- Southern Illinois University, 2021
- Swedish University of Agricultural Sciences, 2021
- University of Texas at El Paso, 2021
- University of Colorado Denver, 2021
- University of Alaska Institute of Arctic Biology, 2021
- University of California Santa Barbara, 2021
- Colegio de Biologos de Baja California, 2021
- University of New Mexico, 2020

- Washington State University, 2020
- University of Massachusetts Amherst, 2019
- Rice University, 2019
- Harvard University, Farlow herbarium seminar, 2019
- New Mexico State University, 2019
- University of New England, 2019
- Center for Scientific Research and Higher Education of Ensenada, 2019
- University of California Riverside, 2018

INVITED TALKS

- Keynote speaker, XIV Conference of Molecular and Cellular Biology of Fungi of the Mexican Society of Biochemistry, “Fungal responses to global climate change and potential impacts to public health”, 2023.
- Mushroom Club of Georgia, “Mycology for climate change, food, and inclusion”, 2023
- Fiber and Fungi annual symposium, “Mycology for climate change food, and inclusion”, 2022
- Club EcoEvo Latin America, “Los hongos frente al cambio climático y nuestros ecosistemas”, 2022
- Connections across borders – Microbial communities at the interface between ecology and evolution, “Fungal responses to drought and disturbance in a desert ecosystem and potential impacts to public health”, 2022
- Ecological Society of America annual meeting, “Fungal responses to climate change and potential impacts to public health”, 2022
- Ecological Society of America annual meeting, “Decolonizing ecology beyond the Global North, 2022
- West Texas Fungi Fest, “Mycology for climate change, food, and inclusion”, 2022
- American Society for Microbiology annual meeting, “Fungal responses to drought and disturbance in a desert ecosystem and potential feedbacks to climate change”, 2022
- The Jornada LTER annual symposium, “Fungal responses to drought and disturbance in a desert ecosystem and potential feedbacks to climate change”, 2022
- Ecological Society of America annual meeting, “What soil fungi have taught me about diversity, inclusion, and intersectionality”, 2021
- PIDapalooza 2021, “How PIDs have made my life easy and what could be improved”, 2021
- SACNAS annual meeting, “Climate change stinks, literally”, 2020
- Ecological Society of America annual meeting, “Harnessing gene and function data in fungi for ecological research”, 2020
- TEDxPitic, “Como los hongos pueden empeorar el calentamiento global”, May 2017.
- *Neurospora* meeting, “*Neurospora discreta* as a model to assess adaptation of soil fungi to warming”, 2016

- Center for Scientific Research and Higher Education of Ensenada, "*Neurospora* as a model for understanding the consequences of global warming", 2016

CONTRIBUTED TALKS

*presenter +undergraduate student ++graduate student

- NMSU Biosymposium, *+Palacios D., Romero-Olivares A.L., "Exploration of Biomaterials", 2023.
- NMSU Undergraduate Research and Creativity week, *+Palacios D., Romero-Olivares A.L., "Exploration of Biomaterials", 2023; won best talk.
- NMSU Research and Creativity week, *+Marmolejo M., Romero-Olivares A.L. "The influence of global change drivers on melanated fungi", 2021
- NMSU Research and Creativity week, *+Palacios D., Romero-Olivares A.L. "Establishing best practices for the development of bio-based material", 2021
- NMSU Research and Creativity week, *+Bennett J., Romero-Olivares A.L. "The presence of melanin and the ability of fungi to grow in harsh environments", 2021
- SACNAS annual meeting, *Romero-Olivares A.L., Morrison E.W., Pringle A., Frey S.D. "Response of soil fungi to long-term simulated nitrogen deposition and implications for carbon cycling", 2020
- Ecological Society of America annual meeting, *Romero-Olivares A.L., Frey S.D. "Fungal adaptation to simulated nitrogen deposition and implications for carbon cycling", 2019
- MassMyco symposium, *Romero-Olivares A.L., Frey S.D. "Carbon and nitrogen metabolism gene frequencies across fungal functional groups." 2018
- International Mycological Congress, *Romero-Olivares A.L., Pringle A., Frey S.D. 2018 "Carbon and nitrogen metabolism gene frequencies across fungal functional groups and implications for ecosystem ecology", 2019

POSTER presentation

*presenter +undergraduate student ++graduate student

- Ecological Society of America annual meeting, *++Ramirez S., Romero-Olivares A.L., "Effects of microbial desert scents on plant germination and growth", 2023
- Ecological Society of America annual meeting, *++Embury E., Romero-Olivares A.L., "Fungal communities in the changing vegetation of the Chihuahuan Desert", 2023
- El Paso Community College RISE to the challenge bridge program, *+Jimenez, C., Catalan-Dibene, J., Romero-Olivares, A.L., "Searching for *Coccidioides* presence in the Chihuahuan Desert", 2023
- IdeA Western Regional Meeting, *+Kaspar H., +Bennett J., Romero-Olivares A.L., "Impacts on warming and drought on soil fungal physiology and assessments of risks to our ecosystems", 2023
- NMSU Biosymposium, *++Ramirez S., Romero-Olivares A.L., "Effects of microbial desert scents on plant germination and growth", 2023

- NMSU Biosymposium, *++Embury E., Romero-Olivares A.L., “Fungal communities in the changing vegetation of the Chihuahuan Desert”, 2023
- NMSU Biosymposium, *+Abubaker, S., Romero-Olivares A.L., “Making the most of farm waste: can spent mushroom substrate be used as an alternative to compost?”, 2023
- NMSU Undergraduate Research and Creativity week, *+Romero A., Romero-Olivares A.L., “Fungal decomposition under global climate change”, 2023
- NMSU Undergraduate Research and Creativity week, *+Marmolejo M., Romero-Olivares A.L., “The influence of global warming on melanized fungi”, 2023
- SACNAS, *+Marmolejo M., Romero-Olivares A.L., “The influence of global warming on melanated fungi”, 2022
- NMSU Research and Creativity week, *Gabinowitzch M., *+Palacios D., “Growing plants and mushrooms in lunar regolith simulant – A Plant the Moon Challenge”, 2021
- Gordon Research Conference on Ecological and Evolutionary Genomics, *Romero-Olivares A.L., Pfister D., Frey S., “Fungal Evolution in Response to Domestication”, 2019
- Ecology of Soil Microorganisms Conference, *Romero-Olivares A.L., Pringle A., Frey S., “Carbon and nitrogen metabolism of fungal functional groups and implications for ecosystems under nitrogen deposition”, 2018
- Mycological Society of America, *Romero-Olivares A.L., Taylor J., Treseder K., “Exploring *Neurospora discreta*’s ability to decompose organic carbon under global warming”, 2016
- DOE Joint Genome Institute Conference, *Romero-Olivares A.L., Taylor J., Treseder K., "Assessing the adaptation of the soil fungal community to global warming”, 2016
- Mycological Society of America. *Romero-Olivares A.L., Taylor J., Treseder K., “Can fungi adapt to global warming? *Neurospora discreta* holds the answer”, 2014

SERVICE

Grant reviewer

- **Ad Hoc reviewer** for NSF, 2020, 2021
- **Ad Hoc reviewer** for DOE 2023
- **Panelist** for NSF, 2021, 2023

Peer-review

- **Reviewer** (2013-present) for 41 different journals in the area of Ecology, Climate Change Biology, and Microbiology (complete reviewer profile at https://www.webofscience.com/wos/author/record/V-6534-2018)
- **Associate Editor**, Special Issue on Fungi and Climate Change, Frontiers in Forest and Global Change, 2021

To profession

- **Organizer**, Ecological Society of America annual meeting, “Microbes as tools to solve ecological problems for all”, August 2023
- **Co-Organizer**, Ecological Society of America annual meeting, “Linking microbial evolution to ecosystem processes for all ecologists”, August 2023
- **Organizer**, American Society for Microbiology annual meeting, “Centering social and environmental justice within microbiology climate change research”, August 2023
- **Organizer**, American Society for Microbiology annual meeting, “Navigating roadmaps of funding opportunities in climate change microbiology”, August 2023
- **Organizer**, American Society for Microbiology annual meeting, “Microbes and climate crisis – problems and solutions”, June 2023
- **Committee Member**, American Society for Microbiology Climate change guest track program, 2022-2023
- **Advisory Board Member**, Women of Color in EEB community, 2021-present
- **Chair**, Ecological Society of America Microbial Ecology Section, 2022-2023
- **Co-Organizer**, Ecological Society of America annual meeting, “Microbial adaptation is gonna change our understanding of soil-carbon feedbacks”, August 2022.
- **Organizer**, Ecological Society of America annual meeting, “Connecting evolutionary and ecological perspectives to find what matters in microbial response to change”, August 2021.
- **Committee Member**, Shreve Award, International Ecology Award, and Whittaker Distinguished Ecologist Award Subcommittee, Ecological Society of America, 2021-present
- **Vice-chair**, Ecological Society of America Microbial Ecology Section, 2021-2022
- **Secretary**, Ecological Society of America Microbial Ecology Section, 2020-2021
- **Co-organizer**, Ecological Society of America annual meeting, “Linking climate, microbial adaptation, and ecosystem processes” August 2020.
- **Co-Organizer**, “Ecology Underground”, August 2020
- **Diversity Liaison**, Ecological Society of America Microbial Ecology Section, 2018-2020
- **Chair**, Mycological Society of America, Diversity Committee, 2018-2019
- **Committee Member**, Mycological Society of America, Diversity Committee, 2017-2018

To university

- **Volunteer**, College of Arts and Sciences Night at the Museum, mushroom/fungal display
- **Curriculum committee member**, NMSU Molecular Biology Program, 2023-present
- **Search committee member**, NMSU Department of Biology, Fall 2022 and Spring 2023
- **Diversity committee member**, NMSU Department of Biology, 2020-present
- **Biosymposium committee member**, NMSU Department of Biology, 2020-present
- **Postdoctoral representative** of the Diversity Committee, UNH Department of Natural Resources and the Environment, 2018-2020

- **Co-organizer**, “Macrobes to Microbes” Extending ecological theory to Earth’s iniest residents”, University of New Hampshire, Fall 2019
- **Co-organizer**, “This microbial life: new perceptions of our microbial world”, University of New Hampshire, Fall 2018
- **Graduate student representative** for search committee, UCI Department of Ecology and Evolutionary Biology, Spring 2016

PROFESSIONAL DEVELOPMENT

- Workshop, NMSU teaching academy, “When and how to listen to both sides”, 2023
- Workshop, HIS STEM Hub, “Preparing for an NSF CAREER application grantsmanship”, 2023
- Workshop, NMSU teaching academy, “University, equity, and inclusion emerging issues in US higher Ed”, 2023
- Course, NMSU teaching academy, “Power, Privilege, and Oppression, Teaching Academy”, 2022
- Course, NMSU teaching academy, “Fostering a sense of belonging in STEM”, 2022
- Faculty for the future alumni program, Spring 2021, 2022; Fall 2021, 2022
- Faculty for the future, Fall 2020
- Course, NMSU teaching academy, “Controversial topics and difficult dialogues: effectively engaging in critical conversations”, 2021
- Course, NMSU teaching academy, “Engaging Students Online Using Zoom and Canvas”, 2021
- Course, NMSU teaching academy, “Considering cultural diversity in the classroom”, 2020
- Workshop, University of Copenhagen, “Biogenic volatiles – exchange at different scales and interactions with ecosystem processes”, 2019
- Working group, University of California San Diego, “Microbial Eukaryotes – OMICS, 2019
- Certified mentor, University of California Irvine, “Mentoring Excellence Program”
- Workshop, DOE JGI, Microbial genomics and metagenomics, 2016
- Workshop, Colorado State University, Computational biology and genomics, 2016.
- Workshop, Latin American Association for Conservation Genetics, “Microevoluationary processes in wildlife”, 2010

COMMITMENT TO DIVERSITY, EQUITY, INCLUSION, AND JUSTICE

- **Participant**, “WOCinEEB networks of success workshop”, 2023
- **Speaker**, La Semilla Food Center, “Mycology for climate change food, and inclusion”, 2021-2023
- **Invited panelist**, Mycological Society of America annual meeting, “LatinX Mycelium”, July 2022

- **Poster presentation**, Mycological Society of America annual meeting, “Mycology for climate change, food, and inclusion: a case study on the importance of exposure to increasing diversity, equity, and inclusion in the field of mycology”, July 2022
- **Invited panelist**, “Parachute sciences at the Society for Molecular Biology and Evolution annual conference, July 2022
- **Contributor**, This View of Life Magazine, “What will take to decolonize Ecology”, https://thisviewoflife.com/what-will-it-take-to-decolonize-ecology/
- **Co-organizer**, Ecological Society of America, Special Session: “WoCinEEB and the importance of affinity groups in ecology”, 2022
- **Organizer**, Ecological Society of America, Special Session: “Vital Connections for Women of Color and Non-Binary People of Color in Ecology”, 2021
- **Mentor**, Ecological Society of America, SEEDS, 2018-2021, 2023
- **Invited panelist**, Society for Scholarly Publishing, “Retrogressing in research and limiting diversity: the impact of the pandemic on scholarly publishing's inequities”, 2021
- **Invited panelist**, Ecological Society of America, SEEDS, “Diversity in Ecology Careers Panel”, 2020
- **Invited panelist**, Society for Scholarly Publishing, “Supporting researchers, not just their science”, Virtual seminar: New directions in scholarly publishing, 2020
- “Working with multi-language authors”, annual meeting report, Science Editor, 2020,43:2, https://doi.org/10.36591/SE-D-4302-61
- **Invited speaker**, SACNAS UCI, “From postdoc to PI”, 2020
- **Contributor**, SISTER, “Sexism shapes the way we think about supervisors in STEM” https://sisterstem.org/2020/03/25/sexism-shapes-the-way-we-think-about-supervisors-in-stem/
- **Contributor**, The Xylom, “Adriana Romero-Olivares: On the move, transitioning from postdoc to PI” https://www.thexylom.com/post/adriana-romero-olivares-on-the-move
- **Contributor**, Massive Science, “In fieldwork, other humans pose as much risk to LGBTQIA+ people as the elements” https://massivesci.com/notes/diversity-fieldwork-field-work/
- **Romero-Olivares A.L.**, American Association for the Advancement of Science, “Review with care”, DOI: 10.1126/science.366.6461.146 https://science.sciencemag.org/content/366/6461/146
- **Contributor**, Science Connected Magazine, “Decolonizing ecology for socially just science” https://magazine.scienceconnected.org/2019/08/decolonize-science-with-global-collaboration/
- **Mentor**, WISE, Women in Soil Ecology, 2019
- **Mentor,** Científico Latino, Graduate School Mentorship Initiative (CL-GSMI), 2019-2021

- **Invited speaker** for Reclaiming STEM East Coast, “Rising, resisting, and reclaiming: using your story and activism to decolonize systems of oppression”
- **Mentor,** Mujeres Líderes en STEAM, USA-Mexico Leaders Network
- **Contributor**, The Professor Is In, “The Power of Privilege: A Mexican Ecologist in Academia in the USA” http://theprofessorisin.com/2018/12/14/the-power-of-privilege-a-mexican-ecologist-in-academia-in-the-usa-guest-post/
- **Contributor**, The Professor Is In, “Unapologetically “too ethnic” for STEM (and on a budget) http://theprofessorisin.com/2018/12/17/makeupmonday-unapologetically-too-ethnic-for-stem-and-on-a-budget/
- **Volunteer reviewer**, SACNAS travel scholarship
- **Speaker**, Thinking about grad school? Advice from a PhD in STEM, University of Maryland

SCIENCE COMMUNICATION

- **Contributor**, “Los hongos y el cambio climático”, Revista de la Universidad de México https://www.revistadelauniversidad.mx/articles/2239890a-8880-47d4-8540-ee169a2dfd13/los-hongos-y-el-cambio-climatico
- **Science advisor**, “Is mold alive? A look at fascinating fungus” https://www.brainson.org/episode/2021/05/04/is-mold-alive-a-look-at-fascinating-fungus
- **Contributor**, “Guinea pig evolution can teach us about human history in the Americas” https://massivesci.com/notes/guinea-pig-science-testing-evolution-history-dna/
- **Invited collaborator**, Art ± Biology, Massachusetts College of Art and Design, 2020 http://www.biomedia-lab.org/flashcollab-fungi
- **Massive Photon Fellow**, Massive Science – 2019
“It’s time to highlight our fungus friends in our microbiomes” https://massivesci.com/articles/fungi-protists-in-microbiome-research-mycobiome/

NEWS COVERAGE/MEDIA REQUEST

- The Atlantic, “The bigger this fungus gets, the worse we’re doing”, https://www.theatlantic.com/science/archive/2022/08/humongous-fungus-climate-change-biggest-organism/671109/
- The Scientist, “Adriana L. Romero-Olivares tracks fungi’s responses to climate change” https://www.the-scientist.com/scientist-to-watch/adriana-l-romero-olivares-tracks-fungi-s-response-to-climate-change-68817
- ORCID, “Use your ORCID record to build your career: an interview with Dr. Adriana Romero-Olivares” https://info.orcid.org/orcid-contributes-to-academic-career/
- AlJazeera, “Fantastic fungi: can mushrooms heal the planet?”

https://www.youtube.com/watch?v=nDb11Pi3hkc&feature=youtu.be&ab_channel=AlJazeeraEnglish
- New York Times, “Infected by a virus, a killer fungus turns into a friend”
https://www.nytimes.com/2020/09/29/science/virus-fungi-farming.html
- Forbes, “Climate change forces decomposer fungi to focus on survival”
https://www.forbes.com/sites/linhanhcat/2019/08/25/decomposer-fungi-under-climate-change/#78d06e231a10

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science (AAAS)
American Association of University Women (AAUW)
American Geophysical Union (AGU)
American Society of Microbiology (ASM)
Ecological Society of America (ESA)
Mycological Society of America (MSA)
Society for the Advancement of Chicano/Hispanics and Native American (SACNAS)