Anna M. Davidson, Ph.D.

Artist. Educator. Scientist. Public Outreach.

Cornell Ecological Arts

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EDUCATION

MFA, Art Studio, Department of Art, University of California, Davis, Davis, CA, 2016

PhD, Department of Plant Sciences, University of California Davis, Davis, CA, 2014

BA, Biology, Ripon College, Ripon, Wisconsin, 2006

Art Studio, Massachusetts College of Art and Design Boston, MA. Hellenic International Studies in the Arts, Paros, Greece, 2005

PROFESSIONAL APPOINTMENTS

Director of Cornell Ecological Arts, Senior Research Associate & Lecturer, Department of Natural Resources the Environment, Cornell University, 2021-Present

Postdoctoral Researcher, Department of Plant Sciences, University of California Davis, 2016-2021

Adjunct Professor, Department of Art, Sierra Nevada University, 2020-2021

Adjunct Professor, Department of Art, California State University, Sacramento, 2017-2020

Adjunct Professor, Department of Art, San Francisco Art Institute, 2017

SELECTED EXHIBITIONS

Memories of a Watershed, Soil Factory, Ithaca, NY 2025

Shifting Topographies, Soil Factory, Ithaca, NY 2025

Invasive Species, Cornell University, Ithaca, NY 2025

Mohawk River Project, Cornell University, Ithaca, NY 2024

Nature Noticed, Soil Factory, Ithaca, NY, 2024

Messages from the Mohawk, New York State Capitol. Albany, NY, 2024

Emergent Ecologies, Winthrop University, Rock Hill, SC, 2024

Connected Waterways, People, Place & Environment, Schoharie River Center, Esperance, NY, 2024

Picturing a Resilient, Equitable, and Healthy Food Future, CAP Art Space, Ithaca, NY, 2024

The Lost City, Work by Anna Davidson. McKissick Museum, Columbia, SC, 2023

Lost City, Work by Anna Davidson, Cornell University, Ithaca, NY, 2022

Coordinates: Ice Pac, Sacramento, CA, 2022

The Lost City, Work by Anna Davidson. University of Utah, Salt Lake City, UT, 2022

Tropical Lab Alumni Show Online Exhibition. La Salle College of the Arts, Singapore, 2020

The Performer, Loosenart Gallery, Millepiani Exhibition Space, Rome, Italy, 2020

Exquisite Corpse: Art in the time of the virus. Online Exhibition, 2020

Art in isolation. Santa Clarita Arts. Virtual Gallery, Santa Clarita, CA, 2020

Corona Portrait. Online Exhibition. www.cornoaaportrait.com, 2020

Arctic Makes: Observations, Lessons and Solutions from the Geographic Periphery. Arctic Design School, Urals State University of Architecture and Art, Ekaterinburg, Russia, 2020

Arctic Circle. Tremaine Art Gallery, Lakeville, CT, 2020 (*postponed due to Covid 19*)

Au-delà du Nord (Beyond North) Galerie d'art Louise-et-Reuben-Cohen Université de Moncton, New Brunswick, Canada, 2019

The Arctic: Documenting Nature, Sidespace Gallery, Salamanca Arts Centre, Hobart, Tasmania, Australia, 2019

Shine, The Flamingo House, Sacramento, CA, 2019
Tiny Little Life Boats, The Wurks Gallery. Providence, RI, 2018
Science Inspires Art: OCEAN New York Hall of Science, New York, NY, 2017
Djerassi Resident Artists Program-Open House, Woodside, CA, 2017
81 Degrees North, Galleri Metripol,Tallinn, Estonia, 2016
Pole Saw, Pyramiden, Svalbard, Norway, 2016
Having Happened, Verge Center for the Arts, Sacramento, CA, 2016
Cocktail Party Effect, Embark Gallery, San Francisco, CA, 2016
Third Space Art Collective Group Show, Davis, CA, 2016
Consilience, Art/Science, The Pence Gallery, Davis, CA, 2015
Mental Throes, Third Space Art Collective, Davis, CA, 2015
Tropical Lab, La Sale College of the Arts, Singapore, 2015
Subject to Change, Beatnik Studios, Sacramento, CA, 2015
White Line Fever, Third Space Art Collective, Davis, CA 2015
Third Space Art Collective Group Show Davis, CA, 2014
Organism, Art exhibit fusing Art, Science & Technology. Old Nelson Gallery. Davis, CA, 2013
Cabinets of Curiosities. Davis, CA, 2011
Consilience, Art/Science, The Pence Gallery. Davis, CA, 2010
The Grotesque, Newandart Gallery. Ashland, Oregon, 2006
Final Exhibition, Hellenic International Studies in the Arts. Paros, Greece, 2005

PERMANENT COLLECTIONS

Woods Hole Oceanographic Institute, Procured 2023
Nevada Museum of Art, Center for Art and Environment Archive, Procured 2022, *https://www.nevadaart.org/art/the-center/*

PUBLICATIONS

Mehlhorn, A., Stedman, R., Treibergs, K., Goebel, M., Davidson, A.M. *(in progress*). The role of arts and humanities in deepening *sense of place* in environmental field courses of higher education. *Environment and Behavior*.

Davidson, A.M. "Poseidon" Leonardo Gallery: By Aesthetic Means. MIT Press: Leonardo, (forthcoming Spring 2026).

Mehlhorn, A., Davidson, A.M. *(2026)* Art adds value to ecological Field Courses: A multiyear case study in higher education. *Ecology and Evolution, 16 Evolution16, no. 4: e73232. https://doi.org/10.1002/ece3.73232.*

Davidson, A.M., Brazelton, B.J., Lang, S.Q. (*2026*). Portholes into the deep: Exploring ocean memory of Lost City through art and science. *Elementa: Science of the Anthropocene*. 14(1):1-14 https://doi.org/10.1525/elementa.2025.00052

Zwieniecki, M. A., Davidson, Orozco, J., A.M. Cooper, K., Guzman Delgado, P. (*2022)* The impact of non-structural carbohydrates (NSC) concentration on yield in *Prunus dulcis, Pistacia vera,* and *Juglans Regia. Scientific Reports, 12(1): 4360, doi:10.1038/s41598-022-08289-8.*

Davidson, A.M., Cooper, K., Le, S., Lange, E. Zwieniecki, M.A. (2021). No time to rest – seasonal dynamics of non-structural carbohydrates in twigs of three Mediterranean tree species suggest year-round activity. *Scientific Reports*, 11, 5181 https://doi.org/10.1038/s41598-021-83935-1

Sperling, O., Kamai, Tixier, A., Davidson, A., Jarvis-Shean, K., Raveh, E., DeJong, T., Zwieniecki, M. (2019) Predicting bloom dates by temperature mediated kinetics of carbohydrate metabolism in deciduous trees. *Agriculture and Forest Meteorology*, 276-277

Davidson, A.M., Da Silva, DeJong, T.M. (2019). Rate of Shoot development (phyllochron is dependent on carbon availability, shoot type, and rank in peach trees. *Trees, Structure and function*. P.1-8 DOI: 10.1007/s00468-019-01881-y

Davidson, A.M. (2018) 81 Degrees North. Leonardo. 51:3 doi: 10.1162/LEON_a_01612

Davidson, A.M., Da Silva, D., DeJong, T.M. (2017) The phyllochron of well-watered and water-deficit of mature peach trees varies with shoot type and vigor. *Annals of Botany, Plants*, 9(5): plx042http://doi:10.1093/aobpla/plx042.

Davidson, A.M., Da Silva, D., Saa, S., DeJong, T.M. (2016) Elevated CO_2 increased photosynthesis and carbohydrate status, but did not affect the phyllochron or incremental shoot growth in young peach (*Prunus persica*) trees. *Horticulture, Environment and Biotechnology*, 57:364, pp. 364-370

Davidson, A.M., Da Silva, D., Quintano, B., DeJong, T.M. (2015). The phyllochron of *Prunus persica* shoots is relatively constant under controlled growth conditions but seasonally increases in the field in ways unrelated to patterns of temperature or radiation. *Scientia Horticulturae*, 184, 106-113

Davidson, A., Keller, F., & Turgeon, R. (2011). Phloem loading, plant growth form, and climate. *Protoplasma*, 248(1), 153- 163

Non-Peer Reviewed & Extension:

Davidson, A and Maciej Zwieniecki (2020) Seasonal Trends of Carbohydrates in Almonds. California Almond Board, Extension Article.

Davidson, A and Maciej Zwieniecki (2018) Carbohydrates, the seasonal "currency" of trees, responses to management and the environment: A citizen Science Project. *California Walnuts*. Published online October 23, 2018.

Davidson, A.M., Da Silva, D. and DeJong, T.M. (2015). Seasonal variability of leaf appearance rate of proleptic and epicormic shoots of peach (*Prunus persica*) grown in normal and deficit irrigation treatments. *Acta Horticulturae* (ISHS) 1084: 313-320

Davidson, A.M., Da Silva, D. and DeJong, T.M. (2015). Seasonal variability of leaf appearance rate of proleptic and epicormic shoots of peach (*Prunus persica*) grown in normal and deficit irrigation treatments. *Acta Horticulturae* (ISHS) 1084: 313-320

Davidson, A. (2013). Transcending the Disciplines, Teaching for the UC Davis Art Science Fusion Program. Future Nature Future Culture(s). Balance Unbalance Conference Proceedings pp. 91-97

Artwork Featured in Publication:

Davidson, A.M. "Poseidon (2022)." Leonardo Gallery: By Aesthetic Means. MIT Press: Leonardo, (forthcoming Spring 2026).

Performer, Loosenart Magazine, 2020 www.loosenart.com

Human, Murze Magazine. 2020. Issue 12 Murze.org

GRANTS

Art & Education:

2025

Development of a Physiological and Climatic Model to Optimize Timing and Effectiveness of Imidacloprid Application for Controlling Hemlock Woolly Adelgid (*Adelges tsugae*) in Eastern Hemlock (*Tsuga canadensis*) and Minimizing Environmental Impact, New York State Department of Environmental Conservation. Anna Davidson (PI) and Mark Whitmore. $60,000

2024

Community Engaged Artwork of the Mohawk River Watershed in Central NY. Rural Cornell Rural Humanities Initiative, Mellon Foundation, PI $10,000

Understanding the Role of Environmental Art and Humanities Methods in Deepening Sense of Place in Rural Upstate New York. Rural Cornell Rural Humanities Initiative, Mellon Foundation, PI $10,000

Center for Teaching and Innovation. Cornell University. PI $1,000

Continuing to Improve Water Literacy and Education of the Mohawk River through Art and Science, New York State Water Resources Institute, PI, $40,000

2023

Expansion and sustainability of Cornell EcoArts' community-engaged research and teaching program. Cornell University Einhorn Center for Community Engagement, Engaged Research Project Grant, PI, $20,0000

Art, Science and Community Engagement in the Mohawk River Basin, Cornell University Einhorn Center for Community Engagement, Engaged Opportunity Grant, PI, $3,000

Einhorn Center for Community Engagement Faculty Fellowship, PI $2,000

Improving Water Literacy and Education of the Mohawk River Watershed through Art and Science, New York State Water Resources Institute, PI, $40,000

2021

Examining the value and impact of art integration in an intensive, low residency traveling field school in art, ecology and land use in New York, National Endowment of the Arts, PI, $75,000

Investigating the impact of Andean biogeography on diversification of chemical defenses in the wild tomato *Solanum habrochaites*, National Science Foundation, Senior Research Personal/Collaborator, $1,200,000, Subaward for Broader Impacts $34,000 *(unfunded)*

2020

Decent and Transformation. An interdisciplinary art and science grant funded by the Ocean Memory Project, a subaward of the National Academies Keck Futures Initiative, Co-PI, $10,000

2018

Ocean Memory: A New Cross-Disciplinary Approach to Global-Scale Challenges. National Academies Keck Futures Initiative. Sub-award/collaborator, $500,000

2016

Lost City Hydrothermal Vents-Subaward (outreach), National Science Foundation, $4,200

Science:

2020

Cross-project approach to accelerate multidisciplinary research on the interaction of nonstructural carbohydrates (NSC) with biotic and abiotic stresses, management practices, and varieties in assessing NSC's dynamics impact on yield. Amendment to an ongoing Carbohydrate Observatory project. Almond Board of California, C0-PI, $368,000

Applying four years of citizen-carbohydrate tracking in nut trees to improve management yields, and combat climate change, Department of Food and Agriculture Specialty Crop Block Grant Program, Co-PI, $313,000

How to irrigate almond orchards-for current year's expected yield for maximum yield potential? Almond Board of California, Research Collaborator $428,000

Carbohydrate management in pistachio. Pistachio Grower Association, Co-PI, $75,000

Collaboration with Olam International, gift to Carbohydrate Observatory Project, $10,000

Collaboration with Wilbur Ellis, gift to Carbohydrate Observatory Project, $15,000

Oregon Hazelnut Board, gift to Carbohydrate Observatory Project, $8,000

2019

Carbohydrate management in pistachio. Pistachio Grower Association, Co-PI, $75,000

Carbohydrate management in walnut trees. Walnut Grower Association, Co-PI, $38,000

Carbohydrate management in almond trees. California Almond Board, Co-PI, $83,000

Collaboration with Olam International, gift to Carbohydrate Observatory Project, $10,000

2018

Carbohydrate Budget Analysis Tool for Improved Management of Nut Tree Orchards Threatened by Climate Change. California Department of Food and Agriculture Specialty Crop Block Grant Program, Co-PI, $268,258

Carbohydrate management in pistachio. Pistachio Grower Association, Co-PI, $75,000

Carbohydrate management in walnut trees. Walnut Grower Association, Co-PI, $74,000

Carbohydrate management in almond trees. California Almond Board, Co-PI, $68,000

2017

Carbohydrate management in walnut trees. Walnut Grower Association, Co-PI, $74,000

Carbohydrate management in pistachio. Pistachio Grower Association, Co-PI, $84,000

Carbohydrate management in almond trees. California Almond Board, Co-PI, $68,800

ARTIST RESIDENCIES

Artist in Residence, National Academy of Sciences / Keck Futures Initiative funded Art/Science Ocean Memory Project, University of Southern California, Wrigley Marine Science Center, Catalina Island, CA, USA 2019

Artist at Sea, Expedition to the Lost City hydrothermal vent system on the ocean research vessel, the Atlantis (Woods Hole Oceanographic Institute), Funded by National Science Foundation, 2018

Artist in Residence, Djerassi & Ocean Memory Project – funded by National Academy of Sciences / Keck Futures Initiative, Woodside, CA, USA 2018

Artist in Residence, Djerassi, Scientific Delirium Madness 4.0. Woodside, CA USA 2017

Artist in Residence, National Academy of Sciences / Keck Futures Initiative funded Art/Science Ocean Memory Project, Friday Harbor Marine Laboratories, University of Washington WA, USA 2017

Artist in Residence, Arctic Circle Residency Program, Svalbard, Norway, 2016

Artist in Residence, Tropical Lab, La Salle College of the Arts, Singapore, 2015

Apprentice, Red Oak Glass Blowing, Central Point, OR, USA 2007

CURATORIAL

Earthen Acts. For Elemental Readings III: The Matter of Earth. The Soil Factory, Ithaca, NY 2026

Mohawk Musings, An exhibition by Cornell Students in NTRES/ENVS 4700, Schoharie River Center, Esperence, NY, 2025

Shifting Topographies, An exhibition by Cornell Students in NTRES/ENVS 3020, The Soil Factory, Ithaca, NY, 2025

Nature Noticed, An exhibition by Cornell Students in NTRES/ENVS 3020, The Soil Factory, Ithaca, NY, 2024

Connected Waterways, An exhibition by Cornell Students in NTRES/ENVS 4700, Schoharie River Center, Esperence, NY, 2024

Earth Projects, An exhibition by Cornell Students in NTRES/ENVS 3020, The Soil Factory, Ithaca, NY, 2023

Embodied Place, An exhibition by Cornell Students in Field Research in the Ecological Arts, The Soil Factory, Ithaca, NY 2022

Jurror, *Climate Justice = Social Justice*, University Galleries, California State University, Sacramento, CA, 2021

Curator, *Exquisite Corpse: Art in the time of the virus*. Online ongoing project. 2020

Co-organizer, Meeting for The Ocean Memory Project, Boone Center for Environmental Studies, Catalina Island, CA, 2019

Master of Ceremonies, Symposium-Engineering the Future, Life Art Science and Technology Festival. Stanford University, Zero 1 Garage, and San Jose State, CA, 2014-2017

Curator, Mental Throes. Third Space Art Collective, Davis, CA, 2015

Curator, The Secret World of Insects. Third Space Art Collective, Davis, CA, 2014

Juror, The Consilience of Art and Science. The Pence Gallery, Davis, CA, 2013

Curator, Organism. Art exhibit fusing Art, Science & Technology. Old Nelson Gallery, Davis, CA, 2012

Curator, Cabinets of Curiosities. Art Science Fusion Final Student Exhibition, Davis, CA, 2011

Curator, Milk and America. Davis Performance Art Ensemble. Big TV Gallery, Davis, CA, 2011

Curator, Davis Community Art Show. Davis, CA, 2010-2013

HONORS & AWARDS

Cornell Einhorn Center for Community Engagement, Engaged Faculty Fellow, 2023

Cornell Atkinson Center for Sustainability Faculty Fellow, 2023

National Academies Keck Futures Initiative-Ocean Memory Working Group, 2017-2019

Freeman Gadberry Award, UC Davis, 2015/16

Margrit Mondavi Fellowship, UC Davis, $5,000, 2015

Dean's Prize for Best Artwork. UCD Interdisciplinary Graduate Student Symposium, $1,000, 2015

People's Choice for Best Artwork. UCD Interdisciplinary Graduate Student Symposium, $1,000, 2015

Graduate Student Association Travel Grant, UC Davis $300, 2015

Graduate Student Association Funding for Special Projects $500, 2015

UC Davis Jack Pickett Agriculture Scholarship, $3,000, 2010-2014

UC Davis Henry A. Jastro Research Award, $3,000 2011 & 2014

UC Davis Plant Science Travel Award $300, 2013 & 2014
Dr. Charles Nichols Award in Biology for Excellence in Botany, Ripon College, 2006
Leadership Scholarship, Ripon College, 2002-2006
Biological Honorary Society, Ripon College, 2003-2005

TEACHING EXPERIENCE

Art:

Instructor of Record

2022-2025 NTRES/ENVS 3020 Earth Projects. Cornell Ecological Arts, Environment and Sustainability major, Dpt. of Natural Resources and Environment, Cornell University, Ithaca, NY

2024-2025 NTRES/ENVS 4600 Art and Science of the Mohawk River, Cornell Ecological Arts, Environment and Sustainability major, Dpt. of Natural Resources and Environment, Cornell University, Ithaca, NY

2022 NTRES 2600/ENVS2600 Field Research in the Ecological Arts, Cornell Ecological Arts, Environment and Sustainability major, Dpt. of Natural Resources and Environment, Cornell University, Ithaca, NY

2021 ENVS 4940 Field Research in the Ecological Arts Cornell Ecological Arts, Environment and Sustainability major, Dpt. of Natural Resources and Environment, Cornell University, Ithaca, NY

2020-21 Focused Studio Practice-*Habitat*, Adjunct Faculty, Dpt. of Art, Sierra Nevada University, Interdisciplinary Arts Low-Residency MFA Program, Incline Village, NV

Mentored Studio Practice, Adjunct Faculty, Dpt. of Art, Sierra Nevada University, Interdisciplinary Arts Low-Residency MFA Program, Incline Village, NV

2017-2020 Beginning Sculpture, Adjunct Faculty, Dpt. of Art, California State University, Sacramento

2017 Science 100-01 Alive! The Art and Poetics of Biology, Adjunct Faculty, San Francisco Art Institute

2016 Beginning Sculpture, Co- Instructor (Associate In), Dpt. of Art, UC Davis (Spring & Fall)

2015 ARTificial Plant, Co-instructor, freshman seminar fusing art and plant physiology, Dpt. of Plant Sciences, UC Davis

Teaching Assistant

2016 Physics and Photography, Bridging Art and Science, Art Science Fusion Program, UC Davis

2015 Digital Photography, Department of Art, UC Davis

Advanced Metal Sculpture, Department of Art, UC Davis

BioArt Studio, Entomology1, Art Science and the World of Insects. Art and Science Fusion Program, UC Davis

Intermediate Ceramics, Sculpture, Mold-making Department of Art, UC Davis 2014

Beginning Sculpture, Department of Art, UC Davis

2014 Printmaking Studio, Entomology1, Art Science and the World of Insects, Art and Science, Art Science Fusion Program, UC Davis

Found Objects & Sculpture Studio, Entomology1, Art, Science and the World of Insects, Art and Science, Art Science Fusion Program, UC Davis

Science:

2014 Woody Plants in the Landscape, UC Davis

2013 Introduction to Biology, UC Davis

2011-14 Biological Principles of Fruit Production, UC Davis

2011-2014 Biological Applications in Fruit Tree Management, UC Davis

Invited Teaching & Critiques

2023 Guest Lecture, ENVS2000 Environment and Sustainability Colloquium, Cornell University

2022 Guest Lecture, BIOEE 1780, An Introduction to Evolutionary Biology and Diversity-Writing in the Major, Dpt. of Ecology and Evolutionary Biology, Cornell University

2021 Guest Critic, LA3010, Integrating Theory and Practice-The Alternative Test Kitchen, Dpt. of Landscape Architecture, Cornell, University

Guest Lecture, ART 3699, Photography: Special Topics, Dpt. Of Art, Cornell University

Guest Lecture, ENVS 2000 Environment and Sustainability Colloquium, Cornell University

Guest Critic, LA4020, Adaptive Design Research Studio, Dpt. of Landscape Architecture, Cornell, University

2019 Guest Lecture, Biomedia, Dpt. of Emergent Digital Practices, University of Denver

2018 Guest Critic, Design Foundations, Department of Experimental and Foundations Studies, Rhode Island School of Design

2016 Guest Lecture, Graduate Multimedia Program Forum, California State University, East Bay

2016 Guest Lecture, BioDesign Theory and Practice, Dpt. of Design, UC Davis

2015 Guest Lecture, Life Studies: Art and Biology, San Francisco Art Institute

RELATED PROFESSIONAL EXPERIENCE/ OUTREACH

West Harlem Art Fund, NY, NY 2025

Art Education Consultant, Discover Cayuga Lake, Ithaca, NY 2024

Eco Artivism. Faculty Advisor for Student organization. 2024-Present

Advisory Board Member, Cornell University Press, 2022-2025

Art Curator, Fernow Hall, Cornell University, 2021-Present

Founder of the Leonardo Art Science Evening Rendezvous (L.A.S.E.R.) speaker series at UC Davis. Its mission is to provide the general public with a snapshot of the cultural environment of the Davis/ Bay Area and to foster interdisciplinary networking with an emphasis on art and science, 2013-2016

Emcee, Bay Area Life, Art, Science and Technology festival (L.A.S.T.). An event with art, music, dance and speakers from all disciplines, including technology, space exploration and visual arts. Zero 1, San Jose, CA 2014, Stanford, 2016, San Jose State, 2017, SLAC-National Accelerator Laboratory, 2018

Advisory Board Member of Third Space Art Collective. Davis, CA. I serve as the liaison between the collective and UC Davis. Third Space is a group of artists, performers and educators striving to enrich the culture of our community by making the creation and exhibition of art and music accessible to all people regardless of age or economic standing, 2013 -2016

Mentor for SEEDS, Students Engaging, Exploring and Discovering Science. UC Davis, 2012-2013

PROFESSIONAL PRESENTATIONS AND MEETINGS

Art:

Teaching about Climate Change: Art, Action and Reflection. Creative educational strategies for K-12 Educators. Herbert F. Johnson Museum of Art. 2026

Teaching about Climate Change: Art, Action and Reflection. Faculty Panel. Herbert F. Johnson Museum of Art. 2026

A2RU. Alliance for the Arts in Research Universities, Madison, WI, 2025

“Flood Risks” Documenting flooding of Upstate New York through Art. Society for Literature Science and Art. Oregon State University, Corvalis, OR. 2025

Ecological Art by Anna Davidson. West Harlem Art Fund. Ny, NY, 2025

Mohawk River Project. NY Water Resources Institute, Cornell University, Ithaca, NY, 2025

Art for Environmental Change. Society for Literature, Science, and Art. Dallas, TX. 2024

The Weather Report, Department of Natural Resources and the Environment Seminar Series. Cornell University. Ithaca, NY 2024

Davidson, Anna (June 23-29, 2024). *Cornell EcoArts*. Fifth International Conference FEMeeting: Women in Art, Science and Technology, Windsor, Ontario, CA

Mehlhorn, A., Davidson, A., (May 29-31, 2024) *Investing in Art: Art Integration Enhances the Undergraduate Field Course Experience*. Society of Advancement of Biology Education Research (East), Rochester, NY 2024

Artist Talk, McKissick Museum, Columbia, SC, March, 2023

Invited Speaker & Panelist, Ocean Memory, Science of Team Science Conference, online, August 2022.

Invited Speaker, Shoals Marine Laboratory “Rock Talks” Appledore Island, Kittery, Maine July, 2022

Panelist, Creativity-CoCreation-Collaboration: A Panel Conversation. The Soil Factory, Ithaca, NY, March, 2022
Visiting Artist Talk, Sierra Nevada University, Interdisciplinary Arts Low-Residency MFA Program, Incline Village, NV, 2020
The Ocean Memory Project. Boone Center for Environmental Studies, Catalina Island, CA 2019
Gray Area, San Francisco, CA, 2019
Speaker, Ocean Memory Working Group, Djerassi Artist Residency, 2018
Visiting Artist Talk, California State University Sacramento, Art Studio Graduate Group, 2017
Invited Speaker, Singularity Global Summit. San Francisco, CA, 2016
Invited Speaker, Graduate Multimedia Program Forum, California State University, East Bay, 2016
Invited Speaker, Bioart, Leonardo Art Science Evening Rendezvous, University of California, San Francisco, 2016
Invited Speaker, Artist Talk, Leonardo Art Science Evening Rendezvous/ UC Davis, Davis, CA, 2016
Lecture, La Salle College of the Arts, Singapore, 2015
Invited Speaker, Leonardo Art Science Evening Rendezvous/ UC Berkeley, 2014
Naturally Hypernatural International Bioart Conference, School of Visual Arts, NY, 2014
Balance Unbalance. Art, Science, Technology, Environment, Noosa, Australia, 2013

PROFESSIONAL ORGANIZATIONS

Artists for Evidence, 2025
A2RU- Alliance for Art in Research Universitites-2025
Society for Literature, Science, and Art. 2024-current
Cornell Atkinson Center for Sustainability Faculty Fellow, 2023
Ocean Memory Project (https://memory.ocean.washington.edu/) 2018-current
Art and Science Collaborations, Inc. 2014-current
College Art Association, 2017-Current
Leonardo International Society for the Arts, Sciences and Technology, 2008
Association for Women in Science, 2013-2021
International Society for Horticulture Science, 2013
Ecological Society of America, 2012-2021
Graduate Student Association, UC Davis, 2009
American Society of Plant Biology, 2008

SCIENTIFIC RESEARCH EXPERIENCE

Postdoctoral Researcher, Laboratory of Dr. Maciej Zwieniecki, Department of Plant Sciences, University of California, Davis. Davis, CA. 2016-2020

I co-created and managed a large state-wide citizen science-based research project called the "Carbohydrate Observatory" studying seasonal multi-year carbohydrate trends in California's most important specialty crops.

Graduate Student Researcher, Laboratory of Dr. Ted DeJong, Department of Plant Sciences, University of California Davis. Davis, CA. 2009-2014

Model the physiological growth responses to cultural and environmental inflictions including temperature, water, pruning regime and crop-load on the canopy architecture of *Prunus persica* over the entirety of the growing season. This canopy sub-model was incorporated into an interactive computerized growth model for peach already underway. Additionally, I experimented with young peach trees and their growth responses to increased levels of atmospheric CO_2 and interactions with different nitrogen sources.

Junior Specialist, Laboratory of Dr. Sham Goyal, Department of Plant Sciences, University of California Davis. Davis, CA. March 2008-2009

Studied *Jatropha curcas*, a potential drought tolerant bio-diesel plant. I was responsible for all field management in several sites around California, all data collection and data analysis using basic statistics. I was also responsible for all greenhouse and laboratory (chemistry) activities and experiments.

Research Associate, Department of Research-Trait Discovery-Drought Tolerance, Pioneer Hi-Bred International, Woodland, CA 2007-2008

Screened of transgenes for drought tolerance in corn. Played a lead role in all field activities including the observation and sampling activities of the phenotypic and molecular characterization studies. Supervised several part time contract employees and college interns.