

Anna Margaret Davidson, Ph.D.

Artist and Scientist

University of California, Davis

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EDUCATION

- 2016 M.F.A. Art Studio, Department of Art, University of California, Davis, Davis, CA
- 2014 Ph.D. Department of Plant Sciences, University of California Davis, Davis, CA
- 2006 B.A. Biology/Art, Ripon College, Ripon, Wisconsin.
- 2005 Study abroad in Art Studio, Massachusetts College of Art and Design Boston, MA. Hellenic International Studies in the Arts Paros, Greece

HONORS AND AWARDS

- 2017 National Academies Keck Futures Initiative-Ocean Memory Working Group
- 2015/2016 Freeman Gadberry Award
- 2015 Margrit Mondavi Fellowship, UC Davis
Dean's Prize for Best Artwork. UCD Interdisciplinary Graduate Student Symposium
People's Choice for Best Artwork. UCD Interdisciplinary Graduate Student Symposium
Graduate Student Association Travel Grant, UC Davis
Graduate Student Association Funding for Special Projects
- 2010-2014 UC Davis Jack Pickett Agriculture Scholarship
- 2011, 2014 UC Davis Henry A. Jastro Research Award
- 2013, 2014 UC Davis Plant Science Travel Grant
- 2006 Dr. Charles Nichols Award in Biology for Excellence in Botany, Ripon College
- 2002-2006 Leadership Scholarship, Ripon College
- 2003-2006 Beta Beta Beta Biological Honorary Society, Ripon College

ARTIST RESIDENCIES

- 2017 Djerassi Resident Artists Program- Scientific Delirium Madness 4.0. Woodside, CA
- 2016 The Arctic Circle Residency Program, Svalbard, Norway
- 2015 Tropical Lab, La Salle College of the Arts, Singapore
- 2007 Glass Blowing Apprenticeship, Red Oak Glass, Central Point, OR.

PUBLICATIONS

- Davidson, A.M., (2018-*in press*) 81 Degrees North. *Leonardo*. 51:3
- 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): *plx04*. oi:10.1093/aobpla/plx042.
- Davidson, A.M., Da Silva' D., Saa, S., DeJong, T.M. (2016) Elevated CO₂ 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.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
- Davidson, A., Keller, F., & Turgeon, R. (2011). Phloem loading, plant growth form, and climate. *Protoplasma*, 248(1), 153-163

SELECTED EXHIBITIONS

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

SCIENTIFIC RESEARCH EXPERIENCE

- 2016-Present Postdoctoral Researcher, Laboratory of Dr. Maciej Zwieniecki, Dpt. Plant Sciences, UC Davis
- 2015, 2016 Laboratory Researcher, Laboratory of Dr. Maciej Zwieniecki, Dpt. Plant Sciences, UC Davis
- 2009-2014 Graduate Student Researcher, Laboratory of Dr. Ted DeJong, Dpt. of Plant Sciences, UC Davis
- 2008-2009 Junior Specialist, Laboratory of Sham Goyal, Dpt. Of Plant Sciences, UC Davis
- 2007-2008 Research Associate, Dpt. of Research-Trait Discovery-Drought Tolerance, Pioneer Hi-Bred Intl., Woodland, CA
- 2006 Undergraduate Research Assistant, Ripon College Dr. George Wittler, advisor
- 2004 Undergraduate Student Researcher, La Selva Biological Field Station, and La Bosque Seco Research Station, Costa Rica. Via Associated Colleges of the Midwest. Dr. Walter Marin, advisor
- 2003-2005 NSF Research Experience for Undergraduates Intern, Cornell University Dr. Robert Turgeon, advisor

TEACHING EXPERIENCE

- 2017, Fall *Beginning Sculpture*, Part-time Faculty, California State University, Sacramento
- 2017, Spring *Science 100-01 Alive! The Art and Poetics of Biology*, Visiting Faculty, San Francisco Art Institute
- 2016, Spring *Beginning Sculpture*, Co- Instructor (Associate In) UC Davis
- 2016, Spring *Physics and Photography, Bridging Art and Science*, Teaching Assistant, UC Davis
- 2016, Winter *Beginning Sculpture*, Co- Instructor (Associate In) UC Davis
- 2016, Winter Guest Lecturer, Graduate Multimedia Program Forum, California State University, East Bay
- 2015, Fall *Digital Photography*, Teaching Assistant, UC Davis
- 2015, Spring *Advanced Metal Sculpture*, Teaching Assistant, UC Davis
- 2015, Spring *BioArt Studio*, Entomology1, Art Science and the World of Insects. Teaching Assistant, UC Davis
- 2015, Spring Guest Lecturer, *Life Studies: Art and Biology* San Francisco Art Institute
- 2015, Winter *ARTificial Plant*, Co-Instructor, *Department of Plant Sciences*, UC Davis

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- 2015, Winter *Intermediate Ceramics, Sculpture, Mold-making* Teaching Assistant, UC Davis
2014, Fall *Beginning Sculpture*, Teaching Assistant, UC Davis
2014, Spring *Printmaking Studio*, Independent Student teacher for *Entomology1, Art Science and the World of Insects*.
2013, Fall *Found Objects & Sculpture Studio*, Independent Student teacher for Entomology1, Art Science and the World of Insects
2014, Winter *Woody Plants in the Landscape ENH 133*, Teaching Assistantship, UC Davis
2011-'14 Spring *Biological Principles of Fruit Production PLS 114*, Lecturer/Teaching Assistantship, UC Davis
2013, Fall, Winter *BIS 2C Introduction to Biology*. Teaching Assistantship, UC Davis
2011-2014, Winter *Biological Applications in Fruit Tree Management (PLS 114)* Teaching Assistantship, UC Davis

RELATED PROFESSIONAL EXPERIENCE

- 2013-2016 **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 **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.
- 2010-2014 **Co-founder and Member** of W.I.S.E. (Women In Science Engaging)
- 2012-2013 **Mentor** for SEEDS, Students Engaging, Exploring and Discovering Science. UC Davis
- 2002-2006 **Volunteer**, Ripon Area School District BRAVE program (Building Resiliency, Assets, and Values in Everyone). Barlow Park Elementary School. Ripon, WI.

PROFESSIONAL ORGANIZATIONS

- 2017-current Art and Science Collaborations, Inc.
2014-Current College Art Association
2008-Current Leonardo International Society for the Arts, Sciences and Technology
2013-Current Association for Women in Science
2013 International Society for Horticulture Science
2012-Current Ecological Society of America
2009 Graduate Student Association, UC Davis.
2008 American Society of Plant Biology

PROFESSIONAL MEETINGS AND PRESENTATIONS

- 2017 Visiting Artist talk, California State University Sacramento, Art Studio Graduate Group
Ecological Society of America, Portland, OR, USA
- 2016 Invited Speaker, Singularity Global Summit. San Francisco, CA
Invited Speaker, Graduate Multimedia Program Forum, California State University, East Bay
Invited Speaker, Leonardo Art Science Evening Rendezvous, University of California, San Francisco
Invited Speaker, Artist Talk, *Leonardo Art Science Evening Rendezvous/ UC Davis*, Davis, CA
Guest Lecturer, BioDesign Theory and Practice, Department of Design, UC Davis, Davis, CA
- 2015 Lecture, La Salle College of the Arts, Singapore
Guest Lecturer, *Life Studies: Art and Biology*, San Francisco Art Institute
- 2014 Invited Speaker, Leonardo Art Science Evening Rendezvous/ UC Berkeley
Naturally Hypernatural International Bioart Conference. School of Visual Arts, NY.
- 2013 Balance Unbalance. Art, Science, Technology, Environment. Noosa, Australia
- 2012 International Symposium for Electronic Art. Sydney, Australia
ISHS International Peach Symposium Matera, Italy

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Ecological Society of America. Portland, OR, USA

Katherine Esau Research Symposium: Integrating Plant Structure with Function, Development and Evolution. UCD.

Guest Lecturer, UC Davis Extension Ornamental Horticulture-Japanese Agricultural Training Program

2010 Functional Structural Plant Modeling. Davis, CA, USA

2009 American Society for Plant Biology Merida, Mexico

2009 The Pan American Congress on Plants and Bioenergy Merida, Mexico

CURATORIAL

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

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

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

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

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

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

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

2010-2013 Davis Community Art Show. Davis, CA

LANGUAGES

Fluent in English (native) and Spanish

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