

Enid T. González-Orta

Department of Biological Sciences • Sacramento State • 6000 J St. Sacramento, CA. 95819-6077

E-mail: gonzalezorta@csus.edu

Websites: gonzalezorta.com • bit.ly/GonzalezOrta CSUS

EDUCATION

2005-2008	Post-Doc	U.S. Department of Agriculture-Agricultural Research Service Crops Pathology and Genetics Research Unit Davis, CA PI: Dr. Daniel Kluepfel Research Projects: (1) Global gene expression analysis of <i>Pseudomonas putida</i> KT2440 during growth in the <i>Arabidopsis thaliana</i> rhizosphere and (2) Assessing the genetic diversity of <i>Agrobacterium tumefaciens</i> in California walnut growing regions and resistance to the biocontrol agent, <i>Agrobacterium rhizogenes</i> K84.
2005	Ph.D.	Microbiology University of Wisconsin-Madison Microbiology Doctoral Training Program Department of Plant Pathology PI: Dr. Caitilyn Allen <i>Dissertation:</i> Plant Cell Wall-Degradation and Twin-Arginine Translocation: Exploring <i>Ralstonia solanacearum</i> virulence factors.
1998	B.S.	Biochemistry University of Minnesota-Twin Cities

ACADEMIC APPOINTMENTS

Aug. 2019-present	<u>Professor</u> , Department of Biological Sciences, California State University, Sacramento.
Aug. 2014-Aug. 2019	<u>Associate Professor</u> , Department of Biological Sciences, California State University, Sacramento.
Aug. 2008-Aug. 2014	<u>Assistant Professor</u> , Department of Biological Sciences, California State University-Sacramento.

LEADERSHIP APPOINTMENTS

August 2011-present	<u>Director</u> , Science Educational Equity Program. College of Natural Sciences and Mathematics, California State University, Sacramento.
October 2015-August 2018	<u>Director (founding)</u> , Center for Science and Math Success, College of Natural Sciences and Mathematics. California State University, Sacramento.
March 2015-October 2015	<u>Interim Director</u> , Center for Science and Math Success, College of Natural Sciences and Mathematics. California State University, Sacramento
August 2011-present	<u>Co-Campus Coordinator</u> , CSU LSAMP Program at Sacramento State. California State University, Sacramento.

ADDITIONAL WORK EXPERIENCE

July 2018-July 2019	<u>Visiting Scientist</u> , USDA-ARS, Crops Pathology and Genetics Research Unit Davis, CA, PI: Dr. Amisha Poret-Peterson
Sept. 2002-Dec. 2002	<u>Intern, Visiting Scientist</u> with Dr. Jan Dirk van Elsas, Crop and Production Ecology Business Unit, Plant Research International, Wageningen, the Netherlands.
July 1998-May 1999	<u>Senior Laboratory Technician</u> with Dr. Anath Das, Department of Biophysics, Biochemistry and Molecular Biology, University of Minnesota-Twin Cities.

AWARDS/HONORS

2018	Outstanding Community Service Award, College of Natural Sciences and Mathematics
2017	Sabbatical Leave, Sacramento State
2016	Outstanding University Service Award, College of Natural Sciences and Mathematics
2015	Award of the Gold Clover for 10 years of Service, Sacramento County 4-H Program.
2014	4-H Golden Clover Award. Category: Robert Brownlee Science Award.
2012	Phi Kappa Phi Honor Society, Faculty Initiate.
2011	Outstanding Faculty Award, Science Educational Equity Program and Multicultural Organization of Science Students.
2010	Annual Biomedical Research Conference for Minority Students Judges' Travel Subsidy
2010	Award of the Silver Clover for Five Years of Service, Sacramento County 4-H Program.
2010	4-H Outstanding Volunteer Award, Sacramento County 4-H Program.
2010	ASM Textbook Travel Award for the American Society for Microbiology Conference for Undergraduate Educators.
2006	USDA-ARS Spot Award
2004	Howard Hughes Medical Institute Mentoring Fellowship
1999	NIH-Biotechnology Training Grant Fellowship (1999-2005)

GRANTS AWARDED

2021	Instructionally Related Activities, (PIs: González-Orta and Aguirre) SEE Research Program \$46,168.00 AY 21-22
2020	Expanding Sustainable Interdisciplinary Research to Inspire Undergraduate Success, NSF IUSE (201289), \$2,679,250.00, (PI: McDonald Co-PIs: Fogarty, González-Orta, Ishikawa, and Zarzana). 2020-2025.
2020	Instructionally Related Activities Grant (PIs: González-Orta and Aguirre) SEE Research Program \$55,696.00 AY 20-21
2019	Instructionally Related Activities Grant (PIs: González-Orta and Aguirre) SEE Research Program \$14,000.00 AY 19-20
2018	Goethe Project Funds for proposal entitled Comparative analysis of the diversity of antibiotic-producing bacteria from the Sacramento State Campus using culture dependent and culture-independent methods. \$2,286.66
2016	Hornet Science Scholars Program, NSF S-STEM (DUE 1644273), \$959,999 (PI: Lundmark Co-PIs: González-Orta, and Mills) 2016-2021.

- 2015 UEI Campus Grant Program, Commit to Study Initiative, \$2,500 (PIs: González-Orta, Paradis, Montanez, and Stoner)
- 2015 CSU STEM VISTA Program: Building Institutional Capacity for a Stronger Baccalaureate-Two VISTA volunteer placements (PIs: González-Orta and Lundmark).
- 2015 Instructionally Related Activities, SEE Research Activities, (PIs: McCarthy Hintz, Quiñones-Soto, and González-Orta) \$14,829.
- 2014 NIH-NIGMS Bridges to the Baccalaureate Grant Extension for the Science Transfer Project, \$63,433 (PI: González-Orta and Co-PI: McCarthy Hintz).
- 2013 Instructionally Related Activities, SEE Research Activities (McCarthy Hintz-PI; González-Orta, Co-PI) \$6,000.
- 2013 Associated Students, Incorporated. Health Professions Pipeline Partnership Project. \$1,000.
- 2012 University Enterprises, Inc. Campus Grant Program. SEE Pre-Health Professional Workshop Series \$2,000 (PIs: González-Orta and Aguirre).
- 2012 Pedagogy Enhancement Award. Revision and pedagogical enhancement of the General Microbiology Laboratory (BIO 139-González-Orta, Kirvan, and Bendorf).
- 2011 University Enterprises, Inc. Campus Grant Program. Microbial Diversity at California State University, Sacramento \$2,500.
- 2011 The California Wellness Foundation (2011-2014) for the proposal *Preparation of Pre-Health Professional Students: The Source for Diversity in the Health Professions* \$160,000. (PIs: González-Orta and McCarthy Hintz)
- 2010 California State University Program for Education and Research in Biotechnology (CSUPERB) SEED Grant for the proposal entitled *Metagenomic and Metabolic Study of Bacteria in California Vernal Pools* \$14,174 (PIs: González-Orta and Kneitel)
- 2010 University Enterprises, Inc. Grant. California State University-Sacramento \$750.
- 2009 Goethe Project Funds for proposal entitled *Functional and Genetic Diversity Analysis of Bacterial Populations in California Vernal Pools* \$2,500.
- 2009 Soroptomist Grant, submitted on behalf of the 4H-On the Wild Side Program \$250.
- 2008 Walnut Marketing Board Research Grant for Proposal entitled *An ecological and molecular study of the biocontrol agent Agrobacterium rhizogenes K84 and its effectiveness in controlling crown gall of walnut caused by the bacterium Agrobacterium tumefaciens.* \$15,000.

GRANT/PROGRAM COLLABORATIONS

- 2021-2018- Sacramento State NIH-RISE Program, Program Evaluator
Tiny Earth Network. Wisconsin Institute of Discovery. University of Wisconsin. Madison, WI. (González-Orta, Tiny Earth Network Partner Instructor, Trainer, and Curriculum Committee Chair).
- 2015-2020 Sustainable Interdisciplinary Research to Inspire Undergraduate Success (SIRIUS) Project. NSF-IUSE Grant. (González-Orta, Faculty Collaborator).
- 2015-2017 Department of Education. Developing Hispanic-Serving Institutions (HIS) Program. Institutional Networks for (Student) Success (Peer) Programs and Instructional Redesign Efforts (INSPIRE) (González-Orta, Project INSPIRE Co-Director for the Network for Peer Assisted Student Success)

INVITED TALKS

- CUREnet and ASCB Webinar. Invited Panelist. *Teaching CURES in the Time of COVID-19*. June 18th, 2020. Virtual.
- Sacramento State Department of Chemistry Seminar Series. Invited Speaker. *Tiny Earth Network: Implementation of a National Course-Based Undergraduate Research Experience (CURE) Centered on Antibiotic Discovery at Sacramento State*. January 31st, 2020.
- UC Davis Microbiome Special Research Program Seminar Series. Invited Speaker. *Tiny Earth Network and Diversity of Microorganisms*. June 11th, 2020.
- Chico State Department of Biological Sciences Seminar Series. Invited Speaker. *A Comparative Study of the Microbial Ecology of Vernal Pools in the Sacramento Valley*. September 25, 2015.
- Barrena, J.C., **González, E.T.**, De La Cerda, L., and Jefferson, M. 2012. Programs and Best Practices to Increase Retention and Graduation Rates of Students from Underrepresented Groups in STEM. Invited Speaker. *American Society for Microbiology Conference of Undergraduate Educators*. San Mateo, CA. USA
- Sacramento State Friends of the Library and Sacramento State Retirees Association. Invited Speaker. *Microbes Everywhere: Hitchhikers, Friends and Foes*. California State University, Sacramento. December 7, 2011.
- **González, E.T.**, Wechter, W.P., and Kluepfel, D.A. 2008. *Pseudomonas* gene expression during growth in the rhizosphere. Invited Speaker for Centennial Meeting Special Session: Plant-Associated Bacteria in their Natural Habitat. *American Phytopathological Society Annual Meeting*. Minneapolis, MN USA.

PUBLICATIONS

- Poret-Peterson, A.T., Sayed, N., Glyzowski, N., Forbes, H., **González-Orta, E.**, and Kluepfel, D.A. 2019 Temporal responses of microbial communities to anaerobic soil disinfestation. *Microbial Ecology*. 80:191-201. <https://doi.org/10.1007/s00248-019-01477-6>
- Dalsing B.L., Truchon A.N., **González Orta, E.T.**, Milling A.S., Allen C. 2015. *Ralstonia solanacearum* uses inorganic nitrogen metabolism for virulence, ATP production, and detoxification in the oxygen-limited host xylem environment. *mBio* 6(2):e02471-14. doi:10.1128/mBio.02471-14.
- Kluepfel, D.A., Zaid, M.B., Maccree, M.M., and **González, E.T.** 2008. Assessing the genetic diversity of *Agrobacterium tumefaciens* in California walnut growing regions and resistance to the biocontrol agent, *A. rhizogenes* K84. *Walnut Research Reports*. <http://walnutresearch.ucdavis.edu>
- **González, E.T.**, Maccree, M.M., Zaid, M.B., and Kluepfel, D.A. 2007. Assessing the genetic diversity of *Agrobacterium tumefaciens* in California walnut growing regions and resistance to the biocontrol agent, *A. rhizogenes* K84. *Walnut Research Reports*. <http://walnutresearch.ucdavis.edu>.
- **González, E.T.**, Brown, D.G., Swanson, J.K., and Allen, C. 2007 Using the *Ralstonia solanacearum* Tat Secretome to identify bacterial wilt virulence factors. *Applied and Environmental Microbiology*. 73: 3779-3786.
- Gabriel, D.W., Allen, C., Schell, M., Denny, T.P., Greenberg, J.T., Duan, Y.P., Flores-Cruz, Z., Huang, Q., Clifford, J.M., Presting, G., **González, E.T.**, Reddy, J., Elphinstone, J., Swanson, J., Yao, J., Mulholland, V., Liu, L., Farmerie, W., Patnaikuni, M., Balogh, B., Norman, D., Alvarez, A., Castillo, J.A., Jones, J., Saddler, G., Walunas, T., Zhukov, A., and Mikhailova, N. 2006. Identification of Open Reading Frames Unique to a Select Agent: *Ralstonia solanacearum* Race 3 Biovar 2. *Molecular Plant-Microbe Interactions*. 19(1):69-79.

- Allen, C., Tans-Kersten, J., and **González, E.T. 2005**. Genes involved in early bacterial wilt pathogenesis. Bacterial Wilt Disease and the *Ralstonia solanacearum* Species Complex. Allen, C., Prior, P., and Hayward, A.C., eds. The American Phytopathological Society Press. St. Paul, MN.
- **González, E.T.** and Allen C. **2003**. Characterization of a *Ralstonia solanacearum* operon required for polygalacturonate degradation and uptake of galacturonic acid. *Molecular Plant-Microbe Interactions* 16(6):536-544.
- Kim, S., Ayala, I., Steenhuis, J.J., **González, E.T.**, and Barry, B. **1998**. Infrared spectroscopic identification of the C-O stretching vibration associated with tyrosyl Z and D radicals of photosystem II. *Biochimica et Biophysica Acta*. 1364(3):337-60.

ABSTRACTS AND PRESENTATIONS AT REGIONAL, NATIONAL, AND INTERNATIONAL MEETINGS

- **González-Orta, E.T. 2021**. Tapas Talk: Connecting with Students Where They Are: Using Social Media and Communication Platforms to Engage Students. **Oral Presentation**. *2021 Tiny Earth Symposium*. June 2nd-4th. Virtual
- Lundmark, J., **González-Orta, E.**, Mills, E. **2019**. Hornet Science Scholars Program: Scholarships for Transfer Students at Sacramento State. **Poster**. *2019 NSF S-STEM Symposium*. September 12th-14th. Washington, D.C. USA.
- Lundmark, J., **González-Orta, E.**, McDonald, K. **2019**. Partnering with Peer Leaders to create inclusive academic support environments. **Oral Presentation**. *ASCN Transforming Institutions Conference*. April 3-5th. Pittsburgh, PA USA.
- Lundmark, J., **González Orta, E.**, On-Art, K., Jarasa, K., and Tashiro, L. **2017**. Embedding undergraduate research in student success programs: empowering students to improve campus programs. **Poster**. *Society for the Advancement of Biology Education Research (SABER) conference*, July 20th-23rd. Minneapolis, MN USA.
- **González Orta, E.T.** and Quiñones-Soto, S. **2017**. Science Educational Equity (SEE) Program-A Comprehensive Program for Students with Educational Barriers. **Oral Presentation**. Puerto Rico Project Kaleidoscope Regional Meeting & PR-LSAMP 15th Best Practice Conference on Teaching and Learning. May 26th. San Juan, PR USA.
- **González -Orta, E.T.**, Jordan, T., Parsh, B., and Tashiro L. **2017**. Establishing a University-Wide Peer Program-Network Through Professional Learning Communities. **Oral Presentation**. Association for Hispanic Serving Institutions Educators (AHSIE) Conference. April 9-12. Las Vegas, NV USA
- Bird, M. and **González -Orta, E.T. 2016**. Teens as Teachers: Tapping into Service Learning to Engage Youth from Diverse Backgrounds. **Educational Session**. American Camp Association National Conference. Feb. 9-12. Atlanta, GA USA.
- **González -Orta, E.T.**, McCarthy Hintz, M., Lundmark, J., Tashiro, L., Sessoms, D., Bruner, J., Trainer, J. **2015**. Development of a New Center for Science and Math Success at Sacramento State. **Poster**. CSU STEM Summit. April 8th. Cal Poly Pomona.
- Lundmark, J., **González -Orta, E.T.**, Tashiro, L., and McCarthy Hintz, M. **2015**. Strategies to close the achievement gap in STEM (Science, Technology, Engineering, and Math) at a large, public institution. HEDs Up Session. **Oral Presentation**. AAC&U Diversity, Learning, and Student Success Conference. March 26-28. San Diego, CA USA.
- Lundmark, J., **González -Orta, E.T.**, McCarthy Hintz, M., White, J., and Tashiro, L. **2014** Synergism between systemic STEM projects and campus equity programs: success for underrepresented students in STEM. **Poster Presentation**. AAC&U Transforming STEM Higher Education Conference. November 6-8. Atlanta, GA USA.

- **González, E.T.**, Maccree, M.M., Zaid, M., and Kluepfel, D. A. **2008**. Evaluation of *Agrobacterium tumefaciens* genetic diversity in CA walnut growing regions and resistance to the biocontrol agent, *Agrobacterium rhizogenes* K84. **Poster Presentation**. *American Phytopathological Society Annual Meeting*. Minneapolis, MN USA.
- **González, E.T.**, Maccree, M.M., Zaid, M.B., and Kluepfel, D.A. **2008**. Assessing the genetic diversity of *Agrobacterium tumefaciens* in California walnut growing regions and resistance to the biocontrol agent, *A. rhizogenes* K84. **Oral Presentation**. *Walnut Marketing Board Annual Meeting*. Bodega Bay, CA USA.
- Kluepfel, D.A., Maccree, M.M., Zaid, M., and **González, E.T.** **2007**. Assessing the genetic diversity of *Agrobacterium tumefaciens* in walnut growing regions of California. **Poster Presentation**. *American Phytopathological Society Annual Meeting*. July 29-August 1. San Diego, CA USA.
- **González, E.T.**, McClean, A.E., Sudarshana, P., and Kluepfel, D.A. **2007**. Deep Bark Canker PCR detection of the causative agent *Brenneria rubrifaciens* and methods to identify genes involved in virulence. **Oral Presentation**. *Annual Walnut Marketing Board Meeting*. January 29-31. Bodega Bay, CA USA.
- **González, E.T.**, Brown, D., Swanson, J., and Allen, C. **2004**. Role of Tat secretion in virulence of the plant pathogen *Ralstonia solanacearum*. **Poster Presentation**. *American Society for Microbiology Annual Meeting*. May 23-27. New Orleans, LA USA.
- **González, E. T.**, Brown, D, and Allen C. **2003**. Exploring the role of the Tat secretome in *Ralstonia solanacearum* pathogenesis. **Oral Presentation**. *American Phytopathological Society Annual Meeting*. August 9-13. Charlotte, NC USA.
- **González, E.T.** and Allen, C. **2002**. Exploring the roles of pectolysis during *Ralstonia solanacearum* pathogenesis. **Poster Presentation**. *3rd International Bacterial Wilt Symposium*. Feb. 4-8, 2002. White River, South Africa.
- Allen, C., Tans-Kersten, J., Brown, D., and **González, E.** **2002**. Genes involved in early bacterial wilt pathogenesis. **Abstract**. *Proceedings of the 5th Rencontre Plantes-Bacteries*. January 13-17, 2002. Aussois, France.
- **González, E.T.** and Allen, C. **2001**. Exploring the roles of exopolygalacturonase PehC and galacturonate transporter ExuT in *Ralstonia solanacearum*. **Poster Presentation**. Abstract. *10th International Congress of Molecular Plant Microbe Interactions*. July 2001. Madison, WI USA.

STUDENT POSTERS AND PRESENTATIONS AT REGIONAL, NATIONAL, AND INTERNATIONAL MEETINGS (Student presenters are marked with an *)

- Figueroa, F.* (2021) Tiny Earth Isolate 26547 and its activity against *S. epidermidis*. 2021 Tiny Earth Symposium. June 2-4, 2021. Virtual. Hosted by the Wisconsin Institute of Discovery.
- Navarro, H.*, González-Orta, E. (2021) Characterization of Tiny Earth Isolate 308 and Its Antibiotic Production Against the Crown Gall Pathogen *Agrobacterium tumefaciens*, Sacramento State Student Research & Creative Activity Symposium 2021 (March 12, 2021), Virtual
- Rodriguez, A.*, González-Orta, E. (2020) Co-culturing *Streptomyces* Isolates with Mycolic-Acid Containing *Mycobacterium smegmatis* to Increase Antibiotic Production, Annual Biomedical Research Conference for Minority Students (November 9–November 13, 2020), Virtual
- Rodriguez, A.*, González-Orta, E. (2020) Co-culturing *Streptomyces* Isolates with Mycolic-Acid Containing *Mycobacterium smegmatis* to Increase Antibiotic Production, Sacramento State 2020 Fall Poster Forum (November 1, 2020) Virtual.
- Fallah, M.*, Zacarias, R., González-Orta, E. (2020) Identification of antibacterial secondary metabolites from soil bacteria. Sacramento State 2020 Fall Poster Forum (November 1, 2020) Virtual.

- Zacarias, R.* , Fallah, M., González-Orta, E. (2020) Chemical Extraction of Secondary Metabolites from Bacteria, Sacramento State College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual
- Rodriguez, A*., González-Orta, E. (2020) Co-culturing *Streptomyces* Isolates with Mycolic-Acid Containing *Mycobacterium smegmatis* to Increase Antibiotic Production, Sacramento State College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual
- Vo, N*. Isolation and Characterization of Antimicrobial-Producing Bacteria from Sacramento State University Soil. Sacramento State College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual
- Navarro, H.* , González-Orta, E. (2020) Characterization of Tiny Earth Isolate 308 and Its Antibiotic Production Against the Crown Gall Pathogen *Agrobacterium tumefaciens*, Sacramento State College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual
- Fallah, M.* , Zacarias R., González-Orta, E.T. (2020) Identification of Antibacterial Secondary Metabolites from Soil Bacteria. Sacramento State College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual.
- Acevedo, L.* Antibiotic Producing Bacteria from Sacramento State Soil Sacramento State. College of Natural Science and Mathematics 2020 Virtual Poster Research Symposium (October 10, 2020), Virtual
- Vo, N*, Kern, E., Acevedo, L. Isolation and Characterization of Antimicrobial-Producing Bacteria from Sacramento State University Soil. 2020 Tiny Earth Symposium. Hosted by the Wisconsin Institute of Discovery. June 10-12th. Virtual
- Fuller, E., Popova, A., and González-Orta, E. 2020 Antibiotic-Producing Soil Bacteria in the Arboretum at California State University. 2020 Tiny Earth Symposium. Hosted by the Wisconsin Institute of Discovery. June 10-12th. Virtual
- Acevedo, L.* , Kern, E., Vo, N, and González-Orta, E. Antibiotic Producing Bacteria from Sacramento State 2020 Tiny Earth Symposium. Hosted by the Wisconsin Institute of Discovery. June 10-12th. Virtual
- Rodriguez, A*., González-Orta, E. T. (2020) Co-culturing *Streptomyces* isolates with mycolic-acid containing *Mycobacterium smegmatis* bacteria to increase antibiotic production, Sacramento State Student Research & Creative Activity Spring Forum (March 9, 2020), Sacramento, CA
- Rodriguez, A.* , González-Orta, E.T. (2019) Characterization of Antibiotic-Producing Bacteria Isolated from the Sacramento State Campus, Sacramento State Student Research and Creative Activity Fall Poster Forum (November 4, 2019), Sacramento, CA.
- Harris, A. R*., González-Orta, E. T. (2019) Antibiotic resistance profiling of antibiotic-producing bacteria found at Sacramento State, Sacramento State Student Research and Creative Activity Fall Poster Forum (November 4, 2019), Sacramento, CA.
- Rodriguez, A.* , González-Orta, E.T. (2019) Characterization of Antibiotic-Producing Bacteria Isolated from the Sacramento State Campus, *Northern California American Society for Microbiology Fall Seminar and Meeting* (November 2, 2019), Santa Clara, CA
- Harris, A.R.* and González-Orta,E.T. (2019) Antibiotic Resistance Profiling of Antibiotic Producing Bacteria Found at Sacramento State, *Northern California American Society for Microbiology Fall Seminar and Meeting* (November 2, 2019), Santa Clara, CA
- Harris, A. R.* , González-Orta, E. T. (2019) Antibiotic resistance profiling of antibiotic-producing bacteria found at Sacramento State. Sacramento State College of NSM Research Symposium (October 24, 2019) Sacramento, CA

- Rodriguez, A.* , González-Orta, E.T. (2019) Characterization of Antibiotic-Producing Bacteria Isolated from the Sacramento State Campus. Sacramento State College of NSM Research Symposium (October 24, 2019) Sacramento, CA
- Givens, L.* , and Wilhelm, C.* (2018) Digging for Antibiotics in the American River. *Tiny Earth Symposium*. June 20-22nd. University of Wisconsin. Madison, WI USA.
- Dover, M.* , and Qavi, F.* (2018) Antibiotic Activity Spectrum of Cultured Bacteria from American River Soil Samples. *Tiny Earth Symposium*. June 20-22nd. University of Wisconsin. Madison, WI USA.
- Clayton, S.* and Yang, B.* (2018). Searching for Antibiotics within the Sacramento State Arboretum. *Tiny Earth Symposium*. June 20-22nd. University of Wisconsin. Madison, WI USA.
- Lundmark, J., Shanbrom, C., and González-Orta, E. (2018) “Inclusive Practice In Peer-Led Programs” (workshop; included student presenters Ashlie Lopez*, Rafael Corona*, Benlly Perez*, Aracely Martinez*, Jordan Padilla*, and Josilyn Zamora*). *AHSIE Annual Meeting*, March 25-27th. Chicago, IL USA.
- Carper, D.* , Kneitel, J., and González-Orta, E.T. (2013). A comparative study of the Bacterial communities in California vernal pools. Poster Presentation. *25th Annual CSU Biotechnology Symposium*. Anaheim Marriott. January 3-5, 2013. Anaheim, CA USA
- Cedeno, M.* , Greer, J.E.* , Yang, C*., and González-Orta, E.T. (2012) Analysis of the bacterial community of the upper rhizosphere of a Valley Oak tree (*Quercus lobata*). *College of Natural Sciences and Mathematics Undergraduate Research Symposium*. California State University, Sacramento. October 2, 2012. Sacramento, CA USA
- Dhoot, G*., Eyester, T.* , Muradyan, R.* and González-Orta, E.T. (2012). Analysis of the bacterial community present in the rhizosphere in the Bunya-Bunya Tree (*Araucarai bidwillii*). *College of Natural Sciences and Mathematics Undergraduate Research Symposium*. California State University, Sacramento. October 2, 2012. Sacramento, CA USA
- Cervantes, A.* , Kaur, A.* , McKinnis, J*., and **González-Orta, E.T. 2012** Analysis of soil microbiota of *Sequoia sempervirens* from the CSUS Arboretum. *College of Natural Sciences and Mathematics Undergraduate Research Symposium*. California State University, Sacramento. Sacramento, CA USA
- Cheng, J.* , Cortes, A.* , Estrada, M.* , Koons, A.* , Lardner, K.* , Nikitin, Y*. Bacterial community analysis of the *Pinus caneriensis* rhizosphere. **2011**. Poster Presentation. *College of Natural Sciences and Mathematics Undergraduate Research Symposium*. California State University, Sacramento. October 4, 2011. Sacramento, CA USA.
- Davis, M.W.* **González, E. T.**, Carper, D., and Kneitel, J.M. **2011**. Bacterial Diversity in Mather Vernal Pools. Poster Presentation. *College of Natural Sciences and Mathematics Undergraduate Research Symposium*. California State University, Sacramento. October 4, 2011. Sacramento, CA USA
- Carper, D.*. **2011**. Bacterial Diversity in Mather Field Vernal Pools. **Oral Presentation**. *25th Annual California State University Student Research Competition*. California State University-Sacramento. March 12, 2011. Sacramento, CA USA.
- Carper, D.* , Davis, M. W.* , Kneitel, J.M, and González, E.T.. 2011. Bacterial Diversity in California Vernal Pools. Poster Presentation. *23rd Annual CSU Biotechnology Symposium*. Hyatt Regency Orange County. Orange County, CA USA.
- Paris, S.* , Davis, K*., Kneitel, J.M., and González, E.T. 2011. Bacterial Diversity in Vernal Pools Located at Beale Air Force Base. Poster Presentation. *23rd Annual CSU Biotechnology Symposium*. Hyatt Regency Orange County. Orange County, CA USA.
- Davis, M.W.* , **González, E.T.**, Carper, D*., and Kneitel, J.M. **2010**. Bacterial Diversity in Mather Vernal Pools. **Poster Presentation**. *10th Annual Biomedical Research Conference for Minority Students*. Charlotte, NC USA.

MENTORING/ADVISING EXPERIENCE

2019-	Sacramento State RISE Research Mentor
2018-2019	SEE Pre-Health Professional Research Program Mentor
2014-2016	DEGREES Project Advisor for the College of NSM
2014-2015	PERSIST Project Advisor for the College of NSM
2013-2017	Faculty Advisor, Chicano/as in Health Education
2013-2014	Faculty Advisor, Future Black Dentists and Doctors.
2011-2012	Faculty Advisor, Sikh Student Association
2010-2014	Health Professions Pipeline Partnership Project (HP ⁴) Faculty Coordinator for the Science Educational Equity Program at California State University-Sacramento.
2010-	CSU LSAMP at Sacramento State Research Mentor
2010-	Academic Advisor for the Science Education Equity program at California State University-Sacramento.
2010	California State University-Sacramento-Los Rios Science Transfer Project Summer Research Mentor.
2009	Faculty Advisor. Student Association of Laboratory Scientists (SALS) at California State University-Sacramento. Spring Semester.

PROFESSIONAL COMMUNITY OUTREACH

2020	Reviewer for California State University Program for Biotechnology Research Program (CSUPERB) grants.
2019	NIH Reviewer
2019	ASM Profession of Microbiology Retreat Facilitator
2018	California Polytechnic University Dept of Biological Science External Evaluator
2018	Book Reviewer, <i>Microbiology: An Evolving Science</i> by Joan Slonczewski and John Foster
2018	Reviewer, <i>Frontiers in Microbiology</i>
2015	American Society for Microbiology Public Events Task Force
2014	Reviewer for California State University Program for Biotechnology Research Program (CSUPERB) grants.
2011	Reviewer for California State University Program for Biotechnology Research Program (CSUPERB) grants.
2010-	Reviewer for the scientific journal <i>FEMS Microbiology Letters</i> .
2010-	Reviewer for the scientific journal <i>Plant Disease</i> .

SACRAMENTO COMMUNITY OUTREACH

2006-present	Sacramento 4-H On the Wild Side Program. <u>Volunteer Assistant Program Leader</u> and Adult coach overseeing/assisting teen-teachers educate grade-school children in environmental science and awareness in a weekend sleep-away camp setting.
2013	Sacramento County 4-H Futures Task Force
2010-2013	Sacramento County 4-H Leadership Team Member.
2008-2012	4-H Science, Engineering, Technology (4H-SET) committee member for Sacramento County. Biology and education liaison between Sacramento County 4H and California State University-Sacramento.

MEDIA PROFILES

- [1 Million Women In STEM](https://www.1mwis.com/profiles/Enid-Gonzalez-Orta) is a global campaign that highlights real women in Science, Technology, Engineering, and Mathematics (STEM) to provide visible role models for the next generation of girls. Profile can be found at: <https://www.1mwis.com/profiles/Enid-Gonzalez-Orta>
- [STEAM 100X35](https://www.steam100x35.com/steamid.html) mission is to promote and amplify the voice of Puerto Rican women in Science, Technology, Engineering, Arts, and Mathematics (STEAM) around the world. Profile can be found at: <https://www.steam100x35.com/steamid.html>

CONTINUING EDUCATION & TRAINING

- Anti-Racism Training. Diversity and Resiliency Institute of El Paso. Borderland Rainbow Center. Summer 2020. Online.
- California State University, Sacramento Center for Teaching and Learning Teach-ON! Line Summer Camp. June 2020. Virtual.
- Equity and Student Success: Inclusive Practices for Diverse Students.. Center for Teaching and learning. Sacramento State. 2019-2020 Academic Year.
- Software and Data Carpentry Instructor Training, 2018, Data Intensive Biology Summer Institute. University of California Davis. June 25-26th. Davis, CA.
- Small World Initiative Partner Instructor Training. January 8-12th, 2018. Wisconsin Institute for Discovery. University of Wisconsin. Madison, WI.
- The California Wellness Foundation Increasing Diversity in the Health Professions Retreat. November 4-6, 2015. Tahoe City, CA.
- Student Success Analytics Professional Learning Community. Center for Teaching and Learning. Sacramento State. Sacramento State. 2015-2016 Academic Year.
- STEM Student Success Faculty Learning Community. Center for Teaching and Learning. Sacramento State. Spring and Fall Semesters 2015.
- 2015 Empowering Women of Color Conference. Sacramento State. April 3, 2015.
- Explorations in Data Analyses for Metagenomic Advances in Microbial Ecology (EDAMAME). Kellogg Biological Field Station. Michigan State University. August 13-20, 2014.
- The California Wellness Foundation Conference on Increasing Diversity in the Health Professions. Attendee. Hilton Los Angeles/Universal City. June 24-25, 2013.
- CSU-LSAMP Annual Meeting. Attendee. Sacramento, CA. February 8-9, 2013.
- 12th Annual Biomedical Research Conference for Minority Students (ABRCMS). Attendee and NIH Bridges PI. San Jose, CA. November 7-10, 2012.
- CSU-LSAMP Annual Meeting. Attendee. Long Beach, CA. February 10-11, 2012.
- CSU Chancellor's Office Graduation Initiative-Engaged Learning Workshops. Sacramento State Graduation Initiative Steering Committee Representative. December 2, 2011.
- 11th Annual Biomedical Research Conference for Minority Students (ABRCMS). Attendee and NIH Bridges PI. St. Louis, MO. Nov. 10th-13th, 2011.
- California Health Professions Consortium Statewide Conference. "Sustaining Pipeline Programs in Difficult Economic Times." University of California-Davis Medical Center. October 13th and 14th, 2011.
- 9th National AMSA/ARC Pre-Medical and Pre-Public Health Conference. University of California-Davis. Oct. 8th-9th, 2011.
- The California Wellness Foundation Conference on Increasing Diversity in the Health Professions. Attendee. Los Angeles, CA. June 1st-2nd, 2011.

- CSU-LSAMP Annual Meeting. Attendee. Fresno, CA. February 4th-5th, 2011.
- ASM/NIGMS Learning Interventions Institute. Participant. Washington, D.C. January 10th-13th, 2011.
- Annual Biomedical Research Conference for Minority Students (ABRCMS). Judge. Charlotte, N. Carolina. November 10th-13th, 2010.
- National Science Foundation Joint Annual Meeting (NSF JAM-10). Invitee of the BIO directorate. Washington, DC USA. June 6th-9th, 2010.
- American Society for Microbiology-Conference for Undergraduate Educators (ASMCUE). Attendee. San Diego, CA USA. May 20th-23rd, 2010.
- Region 3 STEM Service Learning Workshop. California State University-Sacramento. Participant and liaison for service learning opportunities with CSUS students. August 5th-7th, 2009.
- Teaching Institute. Center for Teaching and Learning, California State University-Sacramento. Participant. May 26th-29th, 2009.
- 4-H SET Training. Participant. University of California-Davis. Daylong training session on how to integrate inquiry-based learning and teaching into current curricula. This training was delivered as a hands-on approach to teaching science to grade school children in non-traditional settings (i.e. camp, afterschool programs, clubs, etc.). June 6th-9th, 2010.

PROFESSIONAL MEMBERSHIPS

- American Society for Microbiology
- American Association for the Advancement of Science
- SACNAS
- Society for the Advancement of Biology Education Research (SABER)