

Nora Egan Demers

[FGCU Expert file- Nora Demers](#)

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EDUCATION:

PhD: Oregon State University, Corvallis, OR (Zoology-Comparative Immunology)

M.S: Oregon State University, Corvallis, OR (Zoology-Comparative Immunology)

B.S. University of Missouri-Rolla, Rolla, MO (Life Sciences)

High School:

McCluer North, Florissant, MO

Marymount International, Kingston upon Thames, England

EMPLOYMENT:

2006- Present Associate Professor of Biology, Florida Gulf Coast University

1997-2006 Assistant Professor of Biology, Florida Gulf Coast University

1997-2000 Biology Program Coordinator

1996-1997 Visiting Professor of Biology, The Evergreen State College, Olympia, Washington

1982-1984 Manager, Winchell's Donut House, Santa Barbara, California

1976-1980 Nurse's Aide, Cashier, various and sundry

PROFESSIONAL ORGANIZATIONS MEMBERSHIP:

[American Association for the Advancement of Science](#) ;1995-present

[National Science Teachers Association](#) (NSTA)

[Gopher Tortoise Council](#) (GTC)

[American Water Resources Association](#) (AWRA)

SCHOLARSHIP:

Grants:

- Center for Environmental and Sustainability Education (CESE) Student Associates for a Greener Environment SAGE (\$1444, 2020) awarded to Alicia Lowe-Banton, Janki Patel and Marlene Ruiz-Perez for research regarding endocrine disruptors.
- Center for Environmental and Sustainability Education (CESE) Student Associates for a Greener Environment SAGE (\$500, 2019) awarded to John Tracey
- FGCU Scholarship Venture Fund Endocrine disruptors in our water; modeling contamination from use to environmental fate (\$13,125, 2019) awarded
- Center for Environmental and Sustainability Education (CESE) Student Associates for a Greener Environment SAGE (\$2700, 2018) awarded
- Water Quality Analysis for Endocrine Disruptors in Southwest Florida: Testing for Sucralose with Kristen Bennett
 - Water Quality Analysis for Endocrine Disruptors in Southwest Florida Using the Liquid Chromatography Mass Spectrometry Machine (LC-MS): Analyzing Phthalates & Polychlorinated Biphenyl (PCB) with Laura Montalvo
 - The Impacts of Endocrine Disruptors in Municipal Wastewater on *Gambusia affinis* in Southwest Florida Waterways with Abigail Brown
 - Endocrine Disruptors and the Effects on *Gambusia affinis* (mosquitofish) with Allison Loeffler
 - Water Quality Analysis for Endocrine Disruptors in Southwest Florida Using LC-MS: Examining Over the Counter Drugs & Herbicides with Shea Gagnon
 - Effects of Human Activity on the Parasite Load of Gopher Tortoises with Sarah Burnham, Leah Kligerman, Kellie Pernula, Richard Artola
 - Sea Turtle Season Awareness with Meghan Gilliland & Emily Davies
- Seidler Cooperative Fellowship: The Ins and Outs of Gopher tortoises: what do they eat and what parasites are they harboring? (\$11,894, Spring, 2018) awarded
- FGCU Professional Development Grant participation at the 39th Annual Gopher Tortoise Council Meeting, Edgefield, SC (\$637, 2017) awarded
- Center for Environmental and Sustainability Education (CESE) Student Associates for a Greener Environment SAGE A Comparative Analysis of Surface Waters and Their Chemical Concentrations in a Dense Community with Septic Tanks with Lucas Doran and Alecia Sabourin (FGCU undergraduate students) (\$500, 2017) awarded
- Center for Environmental and Sustainability Education (CESE) Student Associates for a Greener Environment SAGE Detection of pharmaceuticals, sucralose, and caffeine in drinking water of local residential area, San Carlos Park with Rachel Walter (FGCU undergraduate student) (\$500, 2016) awarded
- Pearson Publishing Company Using Academic Coaching and Creative/Bio-Ethnographic Writing to Improve the Learning Outcomes of D/F Students in collaboration with Cerrone Foster (East Tenn State), Min Zhong, (Auburn), and Julie Collins (U Wisc) (\$5000, 2016) awarded
- Elise B. Newell Sea Grant Seminar with Kara Lefevre to bring Dr. Dave Johnston to FGCU for seminar entitled The Use of Unoccupied Aircraft Systems (UAS) in Marine Science and

Conservation: New Technology to Support the Resilience of Coastal Ecosystems
 ((\$1,000 Oct, 2016) awarded)

Florida Humanities Council (with WGPU): Preserving our Waters Documentary/Screening
 (\$15,000, Oct, 2015) awarded

Charlotte Harbor National Estuary Program: Phase III San Carlos Park/Mulloch Creek Habitat
 Restoration Initiative (\$2000, Oct, 2015) awarded

FGCU Multidisciplinary Research Initiative: Determining Anthropogenic Sources of and
 Concerns about Nutrients In Stormwater Systems: An Interdisciplinary Approach (Fort
 Myers, FL, USA). (\$25,000 Mar, 2013) awarded

FGCU Professional Development Grant participation at the NAAEE, Oakland CA (\$1650 Oct,
 2012) awarded

Southeast Environmental Education Alliance (SEEA): Mulloch Creek Habitat Restoration
 Initiative (submitted \$5000, Nov, 2012) declined (The ORSP uploaded a version of the
 proposal that was missing the project description so we really didn't have a chance!)

Charlotte Harbor National Estuary Program Public Outreach Grants Mulloch Creek Restoration:
 Next steps in developing a strategy to address common priority problems (\$5000, Sept,
 2012) declined

National Fish and Wildlife Foundation Wells Fargo Environmental Solutions for Communities
 (\$87,000 Dec. 2012) declined

Whitaker Center for STEM Education (FGCU) Fundamental and Powerful Concepts in Science
 Research (\$200, Nov, 2012) awarded

Whitaker Center for STEM Education (FGCU) Fundamental and Powerful Concepts in Science
 Research (\$500 April, 2012) awarded

The Center for Environmental Sustainability and Education Earth Charter mini-grant (CESE)
 2011 Cela Tega Economic Value of Conservation Lands (\$250 August 2011) awarded

FGCU Professional Development Grant Best College Teachers Summer Workshop (\$750, June,
 2011) awarded

FGCU Teaching, Learning and Assessment Grant Best College Teachers Summer Workshop
 (\$700, June, 2011) awarded

The Center for Environmental Sustainability and Education (CESE) Earth Charter mini-grant
 Earth Charter inspired lunch for Service-Learners at Happehatchee (\$250 June, 2010)
 awarded

East Mulloch Drainage District (EMDD) Stormwater Restoration and Habitat Improvement
 (\$8000, Aug 2011) awarded

NSF Sustainable Eco Systems Valuing Very Small-Scale Coastal Wetland Restoration Projects
 (\$300,000) declined

East Mulloch Drainage District (EMDD) Stormwater Restoration and Habitat Improvement
 (\$12,000, Oct, 2010) awarded

Fl. Campus Compact FGCU Service-Learning Mentor/mentee program (\$150, 2010) awarded

National Fish and Wildlife Foundation 5 Star Restoration Program Mulloch Creek Basin Habitat
 Restoration (\$20,000) declined

CPI Coastal Resource Mulloch Creek Basin Restoration – East Mulloch Drainage District
 Habitat Restoration Application (\$46,263) declined

Florida Campus Compact Livin' la Vida Local Institute 2009 for Community Engagement and
 Service Learning at FGCU (\$9500, Oct, 2009) awarded

FGCU Substantive Creative course redesign in General Education General Biology I- (Demers and Gunnels; \$1250, 2009) awarded

Charlotte Harbor National Estuary Program Shoreline Stabilization and Habitat Enhancement in the Mulloch Creek Basin 2008 (\$3,000, Fall, 2008) awarded

Whitaker Center Using Storyboards to assess student learning (\$500, Fall, 2007) awarded

Watershed Council of Southwest Florida Nutrient Management Partnership Evaluation of Nitrogen sources in San Carlos Park, Lee County, Florida (\$3100, Fall 2007) awarded

Friends of Barefoot Beach Behavior of Gopher tortoises at Barefoot Beach Preserve (\$700, 2007) awarded

Office of Research & Sponsored Programs FGCU The effects of acute stress on plasma proteins of teleost fish. Internal grant award 2002-2003 (\$5000, \$5000) awarded

Florida Higher Education Consortium Registration and Travel Award for 10th Statewide Conference (\$1000, Fall 2001) awarded

Office of Sponsored Research & Programs FGCU Travel Award for Gopher tortoise research training (\$800, Fall, 2001) awarded

Florida Higher Education Consortium Registration and Travel Award for 9th Statewide Conference: AIM Higher: Enhancing Faculty Effectiveness for Student Success (\$2000, Fall 2000) awarded

Office of Sponsored Research & Programs FGCU Travel awards to support research proposals (\$500, Fall, 1999) awarded

Collier Audubon Society Gopher tortoise research in Southwest Florida (Fall, 1999 Funding to support awarded

Florida Education Leadership Enhancement Grant Biology Workshop Research (\$2500, Fall 1999) awarded

FGCU Grant Professional Development Award (\$3000, Fall, 1998) awarded

PUBLICATIONS:

- Demers, N.E.** and Bayne, C.J. (2020) Immediate Increase of plasma protein complement C3 in response to an acute stressor. *Fish and Shellfish Immunology* 107A:411-413
- Gunnels, C.W. IV, Bovard, B.D., Buzasi, D., Cassani, M.K., Douglass, J. Everham, E, Hartley, A. Herman, J. Mujtaba, M. Muller, J. Nelson, K., Nicolas, A. Southard, L. Thomas, S. and **Demers, N.E.** (2015) Engaging Students in Ethical Considerations of the Scientific Process Using a Simulated Funding Panel. *Council on Undergraduate Research Quarterly* 36:1:12-18
- Demers, N.E.** (2012) Genomes and their Evolution- another Example of Gene Duplication and Divergence In: Laboratory Activities for General Biology I third edition, bluedoor publishing.
- Demers, N.E.** (2012) Structure/Function Correlation In: Laboratory Activities for General Biology I third edition, bluedoor publishing
- Demers, N.E.** (2011) An Activity to Demonstrate the Genetic Code, Gene Duplication and Divergence. *Journal of College Science Teaching* 40(6)62-64
- Demers, N.E.** (2009) Structure-Function Lab in a Bag *Journal of College Science Teaching* 39(2)58-60
- Demers, N.E.** (2008) Using stable $\delta^{15}\text{N}$ ratios to help differentiate nitrogen sources within a residential community- another tool for the TMDL toolbox. Final report prepared for the Watershed Council of Southwest Florida.
- Savarese, M., **Demers, N.**, Everham, E. M., Volety, A., and Kakareka, J. (2004) Scientific Process: an interdisciplinary core natural science course as a mechanism for faculty collaboration. *Geological Society of America Abstracts with Programs* 36(5):444.
- Demers, N.E.** and Malenfant, C. (2004) Collaboration for Point-of-Need Library Instruction *Reference Services Review* 32:3:264-273
- Meers, M.B., **Demers, N.E.** and Savarese, M. (2003) Integrating scientific philosophy, theory, methods, and ethics in undergraduate science curricula. *Journal of College Science Teaching* 33:3:34-39
- McKnight, R and **Demers, N.E.** (2003) Evaluating Course Website Utilization By Students Using Web Tracking Software: A Constructivist Approach. *International Journal of E-Learning* 2(3)13-17
- Demers, N.E.** (2003) Issues in Science and Technology: Student driven inquiry directed by the Scientific Process. *Journal of College Science Teaching* 23:330-337
- Bhatt, A, **Demers, N.E.** and Malenfant, C (2001) Writing an Annotated Bibliography Florida Gulf Coast University Library Services
- Demers, N.E.** and Malenfant, C. (2001) Forming a question and making a research plan. Florida Gulf Coast University Library Services
- Gerwick, L., **Demers, N.E.** and Bayne, C.J. (1999) Modulation of stress hormones and their effects in rainbow trout by means of anesthesia, sensory deprivation and receptor blockade. *Comparative Biochemistry and Physiology* 124A(3)329-334.
- Demers, N.E.** and Bayne, C.J. (1997) The immediate effects of stress on innate defenses in rainbow trout. *Developmental and Comparative Immunology* 21:4:363-373.
- Demers, N.E.** (1996) The immediate effects of acute stress on innate immunity in rainbow trout. *Oncorhynchus mykiss*, Ph.D. Dissertation, Oregon State University.

Demers, N.E. and Bayne, C.J. (1994) Immediate response to acute stress in modulators of fish immune responses, plasma proteins of rainbow trout, *Oncorhynchus mykiss*. p 1-7, In: Stolen, J.S. and T.C. Fletcher (Eds.). Modulators of Fish Immune Responses, Vol. 1. SOS Publications, Fair Haven, N. J.

Demers, N.E. (1993) The acute effects of stress on plasma proteins of rainbow trout, *Oncorhynchus mykiss*, M.S. Thesis, Oregon State University.

PRESENTATIONS:

- Demers, N, Gunnels, C, Emer, S, Girimurugan, S, Paull, D A collaborative approach for research programs serving undergraduate students at Florida Gulf Coast University (FURA Florida Statewide Symposium on Undergraduate Research, October 2020)
- Demers, N Public participation on advisory boards, Opportunities and experiences (Cela Tega 2020: Estero Bay is in Trouble: what residents can do to help. FGCU Jan 2020)
- Nickel, A, Canty, C and Demers, N. An examination of evidence linked to morphological changes in *Gambusia holbrooki* due to exposure to endocrine disrupting chemicals. (29th Annual Water Resources Conference, FGCU Jan 2020) The poster won first place for undergraduates at the conference.
- Demers, N Water Quality in Urban Environments: problems and the works for solutions. (Florida Department of Environmental Protection Meet-Ups monthly workshop October 2019)
- Hormuth, C, Burnham, S, Suarez, S, and **N. Demers** The Ins and Outs of Gopher Tortoises: Foraging Habitat and Harbored Parasites (40th Annual Gopher Tortoise Council, Archbold Biological Station, Venus, FL, October 2018)
- Demers, N.** The challenges, logistics and competing interests in attempting habitat restoration at Barefoot Beach Preserve, Collier County, FL (39th Annual Gopher Tortoise Council Meeting, Edgefield, SC, October 2017)
- Hendricks, M and **N. Demers** A Pilot Study: Gopher Tortoise (*Gopherus polyphemus*) Foraging Preferences at Barefoot Beach County Preserve (39th Annual Gopher Tortoise Council, Edgefield, SC, October 2017)
- Demers, N** Gophers@Barefoot: an update on a Service-learning habitat restoration effort at Barefoot Beach Preserve (Naples Preserve, Naples, FL April 2017)
- Demers, N** Gopher tortoises life history and such (Bonita Nature Place, April 2017)
- Demers, N** Challenges of competing interests, logistics, and payoffs in two different restoration projects in Southwest Florida (Charlotte Harbor National Estuary Program Watershed Summit, Punta Gorda, FL March 2017)
- Foster C, Zhong, A, **Demers, N** and J Collins Using Academic Coaching & Creative/Bio-Ethnographic Writing to Improve the Learning Outcomes of D/F Students (Biology Leadership Conference, Tucson, AZ February 2017)
- Demers, N** Actively Engaging with Fundamental and Powerful Concepts in Biology (Biology Leadership Conference, Tucson, AZ February 2017)
- Demers, N Gophers @ Barefoot Beach, Community Engaged Scholarship Symposium, FGCU February 2017)
- Reycraft, K and **Demers, N.E.** Strengthening Students' Information Literacy Skills as They Develop Original Research Proposals for a Scientific Process Course (9th Annual Florida Statewide Symposium: Engagement in Undergraduate Research in Orlando, FL October 2016)
- Demers, N.E.** Challenges of competing interests, logistics, and payoffs in two different restoration projects in southwest Florida. (National Council on Ecosystem Restoration, NCER, Coral Springs, FL, April 2016)
- Demers, N.E.** The Gopher Tortoise, habitat and restoration Clinic for Rehabilitation of Wildlife Lecture series (Sanibel, FL Feb 2016)

- Frost, L, **Demers, N.E.**, Humphries, R, Huffman, T, Johnson, K, and B. Johnson. Strategies to implement POGIL methods at FGCU. (Invited: FGCU Teaching Learning Academy, August 2013)
- Blair, W. **Demers, N.E.**, Everham, E. Frost, L., Goebel, A., Gunnels, C. and Rumbold, D. Celebrating 50 years of Rachel Carson's Silent Spring (Community Engagement Day, FGCU, April 2013)
- Charles Gunnels¹, Mustafa Mujtaba¹, Edwin M. Everham III², Brian Bovard², Mary Kay Cassani², **Nora Demers**¹, James Douglas², David Fugate², David Green², John Griffis², Ann Hartley², John Herman², JoAnn Muller², Darren Rumbold², Serge Thomas², and Aswani Volety² ¹ – Department of Biological Sciences & ² – Department of Marine and Ecological Sciences Funding Panel Simulation on The Scientific Process Course (Best Faculty Poster Award, Research Day, FGCU April 19, 2013)
- Demers, N. E.** (November 2012) Magnetic water models for understanding chemical bonding (2012 FCR-STEM conference, St. Petersburg, FL)
- Demers, N. E.** and Coventry-Payne, L (October 2012) Simple Solutions Profound Results-changing Attitudes through Conservations (North American Association for Environmental Education, Oakland, CA)
- Demers, N. E.** (September 2011) The Promising Syllabus; (What the Best College Teachers Do Bain workshop, FGCU)
- Wohlpert, S.L., **Demers, N.**, MacDonald J.H. Jr, and Hair, T. (Oct 2011) The Bonding Properties of water: An Assessment of Student Understanding (Geological Society of America, Minneapolis, MN)
- Gunnels, Charles W IV, Bovard, Brian, **Demers, Nora**, Everham Win, Loh Ai Ning, and Michael Savarese (October 2011) Preservation of Undergraduate Research through the Creation of Senior Research Classes at Florida Gulf Coast University (4th Annual Florida Statewide Symposium: Engagement in Undergraduate Research, Orlando, FL)
- Demers, Nora Egan** (March 2011) Scientific Inadequacies of Evaluating Direct, Indirect and Cumulative Impacts from Phosphate Mining in the Peace River Watershed (USEPA State of the Science Area-wide Environmental Impact Study process, Punta Gorda, FL)
- Demers, Nora Egan** (March 2011) Stable $\delta^{15}\text{N}$ Ratios to Examine sources of Nitrogen within a Residential Community (Charlotte Harbor National Estuary Program Watershed Summit, Punta Gorda, FL)
- Demers, Nora**, and J Salapska-Gelleri (June 2010) Using 3D water models to investigate fundamental and powerful concepts in the biological sciences (Association for Biology Laboratory Education Annual Conference, Halifax, N.S.)
- Demers, Nora Egan** (February, 2010) Service Learning in San Carlos Park (Colloquium Service Learning workshop FGCU Fort Myers, FL)
- Demers, Nora E** (September 2009) San Carlos Park/East Mulloch Drainage District-Habitat Restoration Project (Estero Bay Watershed Public Symposium, FGCU Fort Myers, FL)
- Demers, Nora E** (September, 2009) Using stable δN^{15} ratios to help differentiate nitrogen sources within a residential community and initiatives to improve the East Mulloch Drainage District (Report to the Estero Bay Agency on Bay Management, Fort Myers, FL)
- Demers, Nora E.**, C W. Gunnels IV, and J Salapska-Gelleri (July, 2009) Integrative Teaching to Develop SCALE-UP (Student Centered Activities for Large Enrollment Undergraduate

- Programs) in General Biology I (Transforming Undergraduate Education in Biology, Washington, DC)
- Demers, Nora Egan**, Edwin Everham, Michael Savarese, Brian Bovard, Anne Hartley, Joseph P. Kakareka, Ai Ning Loh, Brenda Brooks, CREW Land and Water Trust, John Cassani, Lee County Hyacinth Control, and Mike Owen, Fakahatchee Strand Preserve State Park, (March, 2009) Preparing Citizen Scientists via Science Research Opportunities in Southwest Florida (Part A) K-12 and Post-Secondary Education (Part B) Community Education (SENCER Washington DC Poster Session)
- Demers, N**, Johnson, L and Crawford, K (October 2008) Florida Gulf Coast University's President's Climate Commitment: Collaborative Ventures (Campus and Community Sustainability Conference, Orlando, FL)
- Demers, N**, Meers, M, Savarese, M and Everham, E. (September 2008) Scientific Process- the entry course for a two-year Research Plan for Undergraduate Students (Florida Statewide Symposium in Undergraduate Education- Orlando, FL)
- Demers, N** and David W. Ceilley (2008) Using Stable $\delta^{15}\text{N}$ Ratios and Biological Diversity to Examine Effectiveness of Restoration Efforts within a Residential Community- Another Tool for the TMDL Toolbox. (GEER Conference Naples, FL)
- Demers, N.E.** (January 2008) Using stable $\delta^{15}\text{N}$ ratios to help differentiate nitrogen sources from a residential community. (Everglades Coalition, Captiva Island, FL)
- Demers, N.E.** (January 2008) Using Stable Nitrogen isotopes to determine sources of Nitrogen in a residential community. (Watershed Council of Southwest Florida, Fort Myers, FL)
- Long C, Spurfeld, C and Demers, N.E.**, (October 2007) Preliminary Results of a Gopher Tortoise Relocation Project at Gator Hole Preserve, Lee County, Florida. (Gopher Tortoise Council, Milton, FL)
- Demers, N.E.** and Salapska-Gelleri (October 2007) Storyboarding Water Properties: Assessment of Student Learning as part of program assessment? (Whitaker Center STEM Seminar, FGCU, Fort Myers, FL)
- St. Hill, Halcyon, Karakas, Scott, McKenzie, Kamla-Kay and **Nora Demers**. (December 2007) "FGCU Strategic Model for Revitalizing General Education: Shared Governance in Action." (112th Annual Meeting of the Commission on Colleges of the Southern Association of Colleges and Schools, New Orleans, LA)
- Demers, N.E.** (August 2006) Beyond the Classroom: Florida Gulf Coast University- founded and established at the crossroads of Science and Policy. (Gordon Research Conference on Science and Technology Policy, Big Sky, MT)
- Demers, N.E.** (August 2006) Using Contemporary Issues to Teach Skeptical Inquiry: An Approach to Improve Science and Information Literacy among Undergraduates. Invited speaker for panel on Science Education: Vital Connection of Science to the Public Sphere (19th Biennial Conference on Chemical Education, Purdue University, Indiana)
- Demers, N.E.** (August 2004) Engaging Students in Issues in Science and Technology: A Mechanism to Introduce Current Issues and Improve Information and Technological Literacy. (Gordon Research Conference on Science and Technology Policy, Big Sky, MT)
- Demers, N.E.** (March 2004) The Acute Effects of A Handling Stressor On Select Oreochromis aureus Plasma Components. (Eastern Fish Health Workshop, Atlantic Beach, North Carolina)

- McKnight, R, **Demers, N.E.** and Jaeger, D. (April 2002) Evaluating Course Website Utilization By Students Using Web Tracking Software: A Constructivist Approach. (Florida Gulf Coast University First Annual Research Days Fort Myers, FL)
- Malenfant, C and **Demers, N.E.** (November 2001) Working together for Information Literacy in an Upper-Division Science Class. (Information Strategies Conference. Ft. Myers, FL)
- Demers, N.E.** C Malenfant, and M Rosenthal (November 2001) Science for All: Issues in Science and Technology. Higher Education Consortium Annual Meeting. St. Petersburg, FL.
- Demers, N.E.** and Malenfant, C (October 2001) Teaching and Pedagogy Unite in Issues in Science and Technology. Professional and Organizational Development Network in Higher Education Annual Meeting. St. Louis, MO
- Demers, N.E.** (November 2000) Tools for Teaching: Metaphors, Jeopardy and Poster presentations. (Higher Education Consortium Annual Meeting. St. Petersburg, FL)
- Bayne, C.J., **Demers, N.E.** and Gerwick, L. (August 2000) The Modulation of Innate Immunity Plenary Lecture. (11th Scientific Meeting of the Japanese Association for Developmental and Comparative Immunology, Tokyo, Japan)
- Meers, M.B., **Demers, N.E.** and Savarese, M. (June 2000) Scientific Process: A Course Introducing the Philosophy, Methods, and Ethics of Science. Evolution 2000, (Joint Annual Meeting of the Society for the Study of Evolution, The American Society of Naturalists. The Society of Systematic Biologists, and The Association of Tropical Biologists).
- Demers, N.E.** (April 2000) Environmental Stressors and Innate Immunity: Is there a Correlation? (Comparative Immunology Symposium, Florida International University. Miami)
- Sullivan, D. B. and **Demers, N.E.** (April 1999) Engendering Critical Thinking with Reflective and Self-Evaluative Web Board Experiences: (Tenth International Conference on College Teaching and Learning. Jacksonville, FL)
- Demers, N.E.**, Kakareka, J., Sullivan, D. B., Everham, E. E., McDonald, M., Tolley, S. G. and Wisdom, J. (April 1999) Integrating Arts & Sciences Learning at FGCU — A progress report: (Tenth International Conference on College Teaching and Learning. Jacksonville, FL)
- Baylen, D. and **Demers, N.E.** (February 1999) Electronic conversations, delusions, and hallucinations — Interactive communication issues in a computer-mediated classroom: AECT (Association for Educational Communications & Technology Houston, TX)
- Demers, N.E.**, Mayberry, S., Sullivan, B., Bevins, T. and Greene, P. (December 1998) Using Web-Based Bulletin Boards as an “Added Dimension” in Face-to-Face Classes (Strategic Alliance for Distance Learning, Fourth Annual Distance Learning Conference Naples, FL)
- Demers, N.E.** (March 1998) Does acute stress enhance innate immunity? (Eastern Fish Health Workshop. Plymouth, MA)
- Savarese, M., **Demers, N.E.** and Meers, M. (February 1998) “Scientific Process”: A course introducing the philosophy, methods, and ethics of science in preparation for independent research (American Geophysical Union. San Francisco, CA)
- Demers, N.E.**, (July 1997) Acute plasma hormonal changes within minutes of acute stress in rainbow trout: (International Society of Developmental and Comparative Immunologist Williamsburg, VA)

Demers, N.E. Gerwick, L. and Bayne, C. J. (April 1996) Why Anesthetize? Poster presentation:
Conference on Modulation of Immune Responses (The Evolutionary Trail. Maui, HI)

SUPERVISED STUDENT RESEARCH: KB (

- Isabel Sanchoyerto (2020 BS Biology) Comparing 5 Commonly Used Databases for Research on Anal Fin Morphology in *Gambusia*.
- John Perna (2020 BS Biology) Nutrient Analysis of Surface Water in San Carlos Park Florida, Community Using Septic Tanks
- Luis Perez (2020 BA Biology) Can Different Breeds of Honeybees Better Survive Against Varroa Mites?
- Ashely Marston and Yanique Smith (2020 BS Biology) Examining the degree of masculinity of female mosquitofish (*Gambusia holbrooki*) by measuring the 4:6 ratios of the anal fin during dry season sampling among septic tank and reuse water locations.
- KB (Kristabella) Harris (2020 BS Biology) Assessing Inter-measurer Variability of Geometric Morphology of *Gambusia holbrooki* (Mosquitofish) Anal Fins as an Indicator of Endocrine Disrupting Compounds in Southwest Florida Waters
- Kirsten Gonzales (2020 BS Biology) A Literature Review on Which Academic Database Describes the Best and Most Recent Information on Gene Expression Alteration in *Gambusia*
- Meaze Gbalazeh (2020 BS Biology) A Literature review of 4 chemicals for evidence of chemicals for evidence of endocrine disruption in aquatic endocrine disruption in aquatic organisms.
- Sydney Craig (2020 BS Biology) Literature Analysis on Five Select Endocrine Disrupting Chemical Compounds Found in the Water System of Southwest Florida.
- John Tracey and Bradley LaVecchia (2020 BA Environmental Studies) Analysis of Surface Waters in San Carlos Park Florida a community using septic and lawn products. (*John and Bradley won the Best Presentations in Department of Ecology & Environmental Studies in the April 2020 Community Engagement and Research day at FGCU*).
- Savannah Berger (2020 BS Biology) Toxicity of Copper-based Herbicides on Exotic Invasive Apple Snail, *Pomacea maculate*.
- Brooke Powell (2020 BS Biology) An analysis of the morphology of the anal fin in female *Gambusia holbrooki* from reused waters that may contain endocrine disrupting compounds
- Antonio Nickel (2020 BS Biology) An examination of morphological anal fin elongation in *Gambusia holbrooki* found in southwest Florida source water (*Antonio won First Place in Undergraduate Presentations from the College of Arts & Sciences Award April 2020 Community Engagement and Research day at FGCU*)
- Gabby Herrejon (2019 BS Biology) Masculinization Evidence by Gonopodia Elongation in Female *Gambusia* (mosquitofish) of Southwest Florida
- Paula Quezada (2019 BS Biology) Comparing the Intestinal Parasite Loads of *Gopherus polyphemus* from Eight Sites in Southwest Florida
- Joelle Vernon (2019 BS Biology) An Evaluation of Predator Impacts on Loggerhead Sea Turtle Nests Along Developed or Natural Beaches in Collier County, Florida
- Brooke Hollan (2019 BS Biology) Searching for Evidence of Endocrine-Disrupting Compounds in *Gambusia holbrooki*
- Cierra Canty (2019 BS Biology) An Examination of Evidence of Morphological Changes in *Gambusia holbrooki* due to Exposure to Androgenic Endocrine-Disrupting Compounds

Alexandria Nieve (2019 BS Biology) Gopher Tortoise Habitat loss and Relocations Over a 10-Year Span.

Meghan Gilliland and Emily Davies (2019 BS Biology) Collier County 2006 Beach Renourishment Project Effects on Loggerhead Sea Turtle Nesting & Hatchling Success

Sarah Burnham (2019 BS Biology) Does the Diet of Gopher Tortoises in Non-captive Environments Affect Their Parasite Egg Load?

Richard Artola (2019 BS Biology) Variation in Parasite Egg Load Among Adult and Juvenile Gopher Tortoises

Kellie Pernula (2019 BS Biology) Analysis of Habitat and Parasite Egg Load in Individuals of *Gopherus polyphemus* from Naples Preserve Conservation Site

Thomas Rocco (2019 BS Biology) Habitat Restoration & Enhancement at Barefoot Beach Preserve, Collier County, Florida using Mechanical Removal as Simulated Fire

Shea Gagnon (2019 BS Biology) Analysis of triclosan in surface water of Southwest Florida using solid phase extraction (SPE) and liquid chromatography tandem mass spectrometry (LCMS)

Kristen Bennett (2019 BS Biology) Water Quality Analysis for Bis (2-ethylhexyl) phthalate (DEHP) in Southwest Florida Using Solid Phase Extraction (SPE) and Liquid Chromatography Tandem Mass Spectrometry (LCMS)

Laura Montalvo (2019 BS Biology) Analysis of Atrazine Concentrations in Water Samples Taken in South West Florida Using Liquid Chromatography Tandem Mass Spectrometry

Allison Loeffler (2019 BS Biology) Developing methods to analyze histopathology of freshwater fish species for evidence of reproductive abnormalities secondary to endocrine disruption

Nick Orthomann (2019 BS Biology) Endocrine Disruption and its Effects on the Secondary Sex Characteristics of Live-Bearing Fish in a Community with Septic Tanks and Lawn Chemicals in Southwest Florida

Abigail Brown (2019) Morphological Abnormalities in Poeciliid Fish in the Waterways of a Community Relying on Septic Tanks and Producing Lawn Runoff

Leah Kligerman (2019) Can Zoo Visitors act as Citizen Scientists to help Zookeepers learn more about their Animals' Daily Activities?

Lacey Pinscher (2019 BS Biology) Analyzing surface water samples among different sub-basins of a residential area with septic tanks for seasonal trends in sucralose concentrations and water quality parameters

Chris Hormuth BA, Environmental Studies and Sabrina Suarez B.S. Biology (2018) The Ins and Outs of Gopher Tortoises: Foraging Habitat and Harbored Parasites

Vivien Singh, Lawrence Joseph, Jany Rodriguez, Shanley Mastin (2018) Study of Intra-Species Interactions of *Gopherus polyphemus* at Barefoot Beach Preserve, Collier County, Florida

Drew Hahn, Whitney Hodge, Nathalia Chianco, and Brielle Bickford (2018) Effects of Human Interaction with the Gopher Tortoise's Population of Collier County's Barefoot Beach Preserve

Brierra Mack, Stephanie Adelson, and Jessica Dunn (2018) The Effects of Mechanical Removal of Ragweed (*Ambrosia hispidula*) on abundance and Biodiversity of Forage Vegetation for *Gopherus polyphemus* at Barefoot Beach Preserve, Collier County Florida

Alecia Sabourin and Lucas Doran B.S. Biology (2017) A comparative analysis of surface waters and their chemical concentrations in a community dense with septic tanks

Jackie Marquez and Anna Breeden B.A. Environmental Studies (2017) Using a Vegetative Plot Survey to Determine how Manual Restoration affects Habitat at Barefoot Beach Preserve, Collier County Florida.

Jade Chalkey, B.A. Environmental Studies (2017) An Evaluation of the data acquired from 2017 forming lasting opportunities for commuters (F.L.O.C.) week.

Felicia Nudo, BA Environmental Studies (2017) The relationship between littering behaviors and demographics (San Carlos Park, Lee County, Florida).

Elizabeth Birth, Dittmer, Haley and Jenkins, Katie B.S. Biology (2017) Comparative study examining diversity of vertebrates utilizing gopher tortoise (*Gopherus polyphemus*) burrows at Florida Gulf Coast University's Buckingham campus.

Ivy Nys, B.A. Environmental Studies (Spring, 2017) The Movement and Forage Activity of *Gopherus polyphemus* at Barefoot Beach Preserve.

Rachel Walter, B.S. Biology (Honors) (2017) Concentrations of chemicals of emerging concern in private and public water supplies in southwest Florida.

Lucas DeArmond, & Coats, Michael, B.S. Biology (2016) Examining sources of nutrients in the East Mulloch Drainage District using stable nitrogen isotopes.

Kelly Ussia, B.S. Biology (2014) Gopher Tortoises and their habitat at Bowman Beach, Fort Myers, Beach, FL

Eric Frankovitch, B.A. Environmental Studies (2013) Flow and Nutrients in San Carlos Park/Mulloch Creek, Lee County, FL

Amanda Maltz, B.A. Environmental Studies (2011) An investigation of ghost crab (*Ocypode quadrata*) burrow density as a biological indicator of habitat degradation on two urban beaches in southwest Florida.

Alison Blanco M.A. in Environmental Science (2009) The effect of fire on Florida panther den site.

Conny Spurfeld B.S. Biology (2008) and Candy Long B.S. Environmental Studies (2008) Analysis of Gopher tortoise population structure to evaluate relocation success.

Tanesha Brown B.A. Biology (2008) Determination of source of nitrogen pollutants in San Carlos Park, a sub-basin of the Estero Bay watershed, Lee County, Florida.

Tuyet Le B.A. Biology (2008) Examination of gopher tortoise behavior at Barefoot Beach Preserve, Collier County, Florida.

Lauren Galluzzo, B.A. Biology (2005) Gopher tortoise burrow environment analysis.

Meghan Auchter, B.A. Biology (2005) An examination of a population of Gopher Tortoises (*Gopherus polyphemus*) at Florida Gulf Coast University, Lee County, Florida.

Narissa Parnell, B.A. Environmental Studies, BS Biology (2005) An examination of a population of Gopher Tortoises (*Gopherus polyphemus*) at Hickey Creek Mitigation Park, Lee County, Florida.

Jessica Jones, BA Biology (2004) Comparison of lysozyme levels between apparently healthy and unhealthy dogs and cats.

Lenore Bishop, B.A. Environmental Studies (2002) The population of Gopher Tortoises (*Gopherus polyphemus*) at Hickey Creek Mitigation Park, Lee County, Florida.

Christopher Burt, B.A. Biology (2001) A comparison of nesting and hatchling success of Loggerhead Sea Turtles on developed and undeveloped barrier islands.

Meredith Myers, B.A. Biology (2001) Comparison of Appetite Suppression in children taking Concerta® versus children taking Ritalin® for ADD/ADHD.

Anthony Lotter, B.A. Biology (2001) L.A.S.I.K. Surgery and Cataracts: Decreasing the need for a second surgery with alteration in measurements.

Elizabeth Meaney, B.A. Biology, (2001) Is the incidence of violent rape rising in Lee County, Florida?

Rebecca Hill, B.A. Biology, (2000) Measuring microbial diversity in native and *Melaleuca* infested sites on the FGCU campus.

Sabrina von Brueckwitz, B.A. Biology, (2000) Evolution of Duchenne Muscular Dystrophy and its Relationship to Animal Models in Biomedical Research.

Jennifer Hitzing, B.A. Biology, (2000) An evaluation of diagnosis and treatment of ADD and ADHD in children in the FGCU five county service area.

INITIATIVES:

[San Carlos Park/Mulloch Creek Habitat Restoration Initiative](#), The mission of the initiative is to restore, maintain and beautify the drainage system in San Carlos Park. It engages Colloquium, Foundations of Civic Engagement, and IDS Senior Capstone students in a long-term Service-Learning driven effort that is marshalling efforts to restore a 60 year old drainage district in the Community adjacent to FGCU (West of I-75).

[Gophers@Barefoot](#) The mission of the Gophers@Barefoot Project is to restore and enhance the habitat for Gopher tortoises at the Barefoot Beach Preserve. Since 2013, over 333 Colloquium students have contributed nearly 1700 service-learning hours for an equivalent of \$58,000.

CONFERENCES: (CO-ORGANIZED):

[Cela Tega 2020](#): The Estero Bay is in trouble and what citizens can do to help.

[29th Annual Southwest Water Resources Conference](#) co-planner

[Resiliency and Adaptation planning in the Estero Bay Region Cela Tega](#) FGCU (Dec, 2016)

“Melting the Ice in the Hearts of Man” Angaangaq Angakkorsuaq (Uncle Eskimo Elder, Healer, Teacher, Shaman, Storyteller) (Nov 2013) FGCU

Viewing of the film SHORED UP (Nov, 2013) FGCU

Exploring the Legacy of Rachel Carson 50 years after the publication of Silent Spring Film, Lecture Series and Student-led events (Sept, 2012) FGCU

[Estero Bay Economic Value of Conservation Lands Cela Tega](#) FGCU (Nov 2011)

Living la Vida Local- for Community Engagement and Service Learning, FGCU (Oct, 2009)

[Estero Bay Watershed Public Symposium](#) and [Art Exhibit](#), FGCU (Sept, 2009)

[Estero Bay Land Acquisition Cela Tega](#) FGCU (Dec, 2008)

[Estero Bay Land Management Cela Tega](#) FGCU (June, 2008)

[Gopher the Cache!](#) A program for teachers of gifted students in Lee County, FL, FGCU (Aug 2008)

UFF-FGCU Open Forum on Workload Assignment (November, 2010)

UFF-FGCU Open Forum on Faculty Evaluation (March, 2010)

[First International Conference on Mining Impacts to the Human and Natural Environments](#), Punta Gorda FL (March, 2008)

SERVICE cont':

Community:

- 2020-present Chair, [Estero Bay Agency on Bay Management](#) (representing the [Responsible Growth Management Coalition](#) (RGMC))
- 2018-present Secretary, San Carlos Park Metropolitan Services Taxing Unit
- 2018-present [Bicycle and Pedestrian Advisory Committee](#) (BPAC) Lee County
- 2013-2020 Secretary, San Carlos Park Metropolitan Services Taxing Unit
- 2012-2020 Vice-Chair, [Estero Bay Agency on Bay Management](#) (representing the [RGMC](#))
- 2003-present Representative to the Estero Bay Agency on Bay Management for RGMC

Professional:

- 2017-present Manuscript reviewer: [Fish and Shellfish Immunology](#)
- 2002-present Manuscript reviewer: [Journal of College Science Teaching](#)
- 2012-2016 Manuscript Reviewer: Journal of Fish Biology
- 2012-2015 Manuscript Reviewer North American Journal of Aquaculture
- 2008-2009 Grant Reviewer Florida Fish and Wildlife Conservation Commission (FFWCC)
- 2006-2009 FGCU affiliate for AAUW- Lee Chapter
- 2005-2006 Grant proposal reviewer: National Fish and Wildlife Foundation
- 2003-2015 Representative to the Estero Bay Agency on Bay Management for the Responsible Growth Management Coalition (RGMC)
- 2002-2008 Board member and Secretary: [RGMC](#)
- 2001- 2004 Lee County Smart Growth Initiative
- 2000- 2001 Manuscript reviewer: Journal of Invertebrate Pathology
- 2000-2001 Grant proposal reviewer: Virginia Sea Grant, Jeffress Memorial Trust, National Wildlife Federation
- 1997-1999 Judge, Science Fairs; Lee and Collier County, Florida Schools

University:

- 2016-present [United Faculty of Florida](#) Secretary
- 2018-present Labor and Management, Cooperative Team with UFF and Academic Affairs
- 2016-present Bargaining Committee, UFF-FGCU
- 2015-2018 Safety and Facilities Committee Faculty Senate Representative to Planning and Budget Council Committee
- 2015-2018 Alternate Faculty Senator
- 2011-2019 FGCU Faculty Advisor to Food Forest Advisory Council
- 2012-2013 Environmental Sustainability Committee Faculty Senate Representative to Planning and Budget
- 2011-2012 Facilitator Whitaker Center for STEM Education
- 2011-2012 Whitaker Center Director search committee member
- 2011-2014 Faculty Senate Team Institutional Affairs, Facilitator
- 2010-2014 Whitaker Center for Science Math and Education Technology Leadership Team member
- 2011-2012, 2017-present Judge Research Day, FGCU Office of Research and Sponsored Programs

2010-2011 Senate Team Teaching Excellence Selection committee
 2008, 2011 Senate Team Faculty Service Award Selection committee
 2008-2014 United Faculty of Florida Secretary
 2006-2007 American Democracy Program, General Education Council, Transition Service Learning team
 2006-2007 Search Committee Instructional designer position
 2006-2009 UFF Interest Based Bargaining Team
 2004- 2006 Graduate Affairs Committee Member, Faculty Senate
 2005- 2007 Library Team Committee Members, Faculty Senate Chair 2007
 2002-2006 Chair, Research Safety Committee
 2000-2005 ADA Advisory Council Member
 1999-2001 Chair, Institutional Affairs Standing Team, FGCU Senate
 1998 Chair, Pilot Project for Student Evaluations of Faculty at FGCU
 1998 Co-author, draft Comprehensive University Environment Policy, FGCU
 1997 Chair, Inaugural By-laws Committee, FGCU Senate (composed Senate by-laws)
 1997 Inaugural University Library Committee Member

College Service:

2018-present College Governance Team Representation for Biological Sciences
 2018- 2020 Organizer Natural Science Undergraduate Research Symposium, Spring semesters
 2012-2013 Search committee member: Cell Biology
 2011-2012 Search committee member: Human Biologist
 2010-2016 Reviewer B.S. Biology degree Senior Research Projects
 2010-2011 Associate Professor Biologist Search
 2009-2010 Cell Biology Search committee
 2008-2009 B.A. Capstone Course Development Team
 2006-2007 Search committee member: Math instructor
 2006-2007 Search Committee member: Comparative Biologist, Behavior Ecologist
 2005-2006 Ephemeral College Governance Team
 2000-2012 Division of Interdisciplinary Studies Curriculum Committee
 2000-2001 College of Arts & Sciences Web Design Committee Member
 1997-2000 Biology Program Director, College of Arts & Sciences, FGCU
 1997- 2001 Organizer: College of Arts & Sciences Interdisciplinary Student Symposium
 1998-2001 Reviewer, Ampersand, on-line journal, College of Arts & Sciences
 1998-2001 Institutional Affairs Faculty Senate, College of Arts & Sciences Representative
 1997-2000 FGCU Faculty Senate, College of Arts & Sciences Representative
 1999 Co-editor: College of Arts & Sciences Newsletter
 1999 Co-organizer: Girl Scout Science Day at FGCU
 1997-1999 Chair, Arts & Sciences Symposium Committee
 1991-1996 Organizer Biology Graduate Symposium at Hatfield Marine Science Center, Newport, OR

AWARDS

2018 Aquila Award for Outstanding Student Scholarship Support

2011

Estero Bay Agency on Bay Management Environmental Stewardship Award for
Exemplary service

TEACHING:

Science lecture and laboratory:

[General Biology I](#)

[Scientific Process - Undergraduate Theory & Philosophy of Science](#)

Cell Biology

[Current Topics in Biology](#): Endocrine Disruptors

Interdisciplinary:

[Issues in Science and Technology](#)

Applied Integrated Sciences (for high school science teachers - integrated science teaching tools)

Senior Seminar (Secondary education students - prepare toolbox for teaching)

[Integrated Core Senior Seminar in Interdisciplinary Studies](#)

[University Colloquium: A Sustainable Future](#)

Learning Principles (a graduate level Teacher Immersion Program course)

OTHER TEACHING EXPERIENCE:

Visiting Member of the Faculty, Organismal Biology, The Evergreen State College

Instructor for Molecule to Organism, a year-long, junior/senior level integrated

Biology/Chemistry program of nearly 80 students, taught by a three-person team.

Developed and taught lab and lecture components of the course including: Zoology, Human Anatomy & Physiology, Plant Biology, Immunology

Supervised student research: Assaying antibacterial properties of Allicin (garlic extract); Can we detect estrogenic hormones in water effluents of sewage outfall plants in Olympia, Washington with tests for detection of Vitellogenin in plasma of male trout?

Graduate Teaching Assistant, Oregon State University

Dept. of Fisheries and Wildlife, OSU/HMSC. Aqua-Culture Laboratory Courses Teaching Assistant, Culture methods of salmon, oyster, tilapia, and marine algae.

Department of Zoology. Human Anatomy and Physiology General Biology Laboratory

MEDIA:

PODCAST GOPHER TORTOISE

[Could we have a clean Estero Bay again? FGCU's Cela Tega conference offered a toolkit of ideas](#)

Fort Myers News-Press: Jan 25, 2020

[We Preview the Upcoming Cela Tega 2020 Water Quality Conference at FGCU](#)

WGPU Gulf Coast Life: Jan 21, 2020

[Physical changes to fish species may be linked to SWFL water quality issues](#)

Wink News: Nov 28, 2019

[Medication found in U.S. waterways](#)

Fox 4: Nov 6, 2019

[It matters how you get rid of an unwanted pet fish. Here's why](#)

NBC-2: Feb 13, 2019

[Report finds toxic levels of lead in spices that can be dangerous to kids](#)

Wink News: Feb 6, 2019

[Assessing chemicals found in carpet](#)

Wink News: Dec 13 2018

[Bear sighting increase as SWFL communities grow](#)

ABC7: June 4, 2018

[Former FGCU music conductor accused of sexually harassing students](#)

Fort Myers News-Press: Jan 12, 2018

PROFESSIONAL DEVELOPMENT:

(Workshops & Conference Participation, excluding presentations):

- 2019 Gordon Research Conference on Visualization in Science and Education
- 2017 POGIL North Central Regional Workshop
- 2015-2016 STEM Professional Academy to Reinvigorate the Culture of Teaching (SPARCT) program Whitaker Center, FGCU, Ft Myers, FL
- June 2013 POGIL (Process Oriented Guided Inquiry Lab) St. Petersburg, FL
- May 2013 NSF-TUES CCWCS (Chemistry Collaborations, Workshops & Communities of Scholars) Environmental Chemistry Atlanta, GA
- Jan, 2013 American Water Resources Association Water and Energy Fort Myers, FL
- Nov, 2012 Project Kaleidoscope (PKAL) — Advancing what works in STEM education Kansas City, MO
- Nov, 2012 Association of American Colleges and University Next Generation STEM Learning: Investigate, Innovate, Inspire Kansas City, MO
- June, 2011 Best Teachers' Summer Institute. Bain Workshop, New York City area, NJ
- Aug, 2010 Florida Magazine Association Annual Publishing Conference, Orlando, FL
- 2009-2010 Fl. Campus Compact Service-Learning Mentor/mentee program
- Oct, 2009 Livin' La Vida Local Service Learning Institute, FGCU
- July, 2009 AAAS Vision & Change in Undergraduate Biology, Invited workshop, DC
- July, 2008 Bioscience Education Network (BEN) Workshop; Washington, DC
- July, 2007 Community Based Participatory Research Summer Institute Jackson, MS
- Aug, 2006 Gordon Research Conference on Science and Technology Policy, Big, Sky, MT
- July, 2005 Gordon Research Conference on Visualization in Science and Education, Oxford, UK
- Mar, 2005 Comparative Immunology Symposium, Florida International University
- Aug, 2004 Gordon Research Conference on Science and Technology Policy, Big, Sky, MT
- Oct, 2003 Gopher Tortoise Council Annual Meeting, Weiwaka Springs, FL
- Aug, 2003 NIH NHGRI Genome Workshop, Bethesda, MD
- Apr, 2003 Eastern Fish Health Workshop, Gettysburg, PA
- Aug, 2002 NSF Molecular Genetics Center for Workshop in Chemical Sciences, Atlanta, GA
- Aug, 2001 Gopher Tortoise Conservation Initiative Field Training, Newberry, FL
- Mar, 2001 Comparative Immunology Symposium, Florida International University
- Oct, 2000 Gopher Tortoise Council Annual Meeting, Aiken S.C.
- May, 2000 American Association of Immunologists, Seattle, WA
- 1998-1999 FGCU Leadership Diversity Program participant
- Apr, 1999 Puget Sound Nature, Land and People Closing Symposium, NSF Puget Sound Institutes, The Evergreen State College
- Jan, 1999 NSF National Association of GeoSciences Teachers Workshop for Early Career Faculty
- Nov, 1998 A Day at Alverno: Outcomes Based Learning
- Jun, 1997 NSF Puget Sound Institute: Naturalist's Field Journal Institute The Evergreen State College