

Nora Egan Demers

Department of Biological Sciences

College of Arts and Sciences

Florida Gulf Coast University

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The sum of these experiences is a dedicated, enthusiastic and intelligent science-educator with a solid background in the biological sciences with keen interests and activity in Science, Society and Policy..

EDUCATION:

PhD: Oregon State University, Corvallis, OR 1996 (Zoology-Comparative Immunology)

M.S: Oregon State University, Corvallis, OR 1993 (Zoology-Comparative Immunology)

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

EMPLOYMENT:

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

1997-2005 Assistant Professor of Biology, Florida Gulf Coast University

1997-2000 Biology Program Coordinator

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

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

SCHOLARSHIP:

Grants:

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

POGIL Professional Development Grant (Process Oriented Guided Inquiry Lab) St. Petersburg, FL-

NSF-TUES cCWCS (Chemistry Collaborations, Workshops & Communities of Scholars)

Professional Development Grant *Environmental Chemistry Atlanta, GA*

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* (Annual cycle of 5-10% of District's income (approx \$6000, 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* (Annual cycle of 5-10% of District's income (approx \$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, Fall, 2007) awarded

Office of Sponsored Research & 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.** (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, Nora Egan** (November, 2012) Magnetic water models for understanding chemical bonding (2012 FCR-STEM conference , St. Petersburg, FL)
- Demers, Nora Egan** and Coventry-Payne, L (Oct, 2012) Simple Solutions Profound Results-changing Attitudes through Conservations (North American Association for Environmental Education, Oakland, CA)
- Demers, Nora Egan** (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 $\delta^{15}N$ 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 $\delta^{15}N$ 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, Kamla-Kay McKenzie 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)

Professional Organizations membership:

American Association for the Advancement of Science (AAAS)

National Science Teachers Association (NSTA)

Association for Biology Laboratory Education (ABLE)

Conference planning (co-organized):

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)

<http://itech.fgcu.edu/faculty/ndemers/CelaTega%202011/index.htm>

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

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

<http://itech.fgcu.edu/faculty/ndemers/EsteroWatershedSymp09/index.htm>

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

<http://itech.fgcu.edu/faculty/ndemers/CelaTega2008/acquindex.htm>

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

<http://itech.fgcu.edu/faculty/ndemers/CelaTega2008/index.htm>

Gopher the Cache! A program for teachers of gifted students in Lee County, FL, FGCU (Aug, 2008) <http://itech.fgcu.edu/faculty/ndemers/Cache2008/index.htm>

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) <http://itech.fgcu.edu/faculty/ndemers/Mining/mcindex.htm>

TEACHING:**Science lecture and laboratory:**

[General Biology I](#)

*Scientific Process - Undergraduate Theory
& Philosophy of Science*

Cell Biology

[Current Topics in Biology](#): Innate Immunity
of Organisms; Stress and Immunity;
Micro-arrays; Environmental Endocrine
Disruptors

Genetics

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)*

Supervised student research:

- 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, (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.*

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, (1994-1996). Culture methods of salmon, oyster, tilapia, and marine algae. Department of Zoology. Human Anatomy and Physiology Laboratory (1994-1996 and 1990-1991). General Biology Laboratory (1990-1991)

PROFESSIONAL DEVELOPMENT:

(Workshops & Conference Participation, excluding presentations):

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

SERVICE ACCOMPLISHMENTS:

Professional and Community Service:

- 2012 Manuscript Reviewer: *Journal of Fish Biology*
2012 Manuscript Reviewer *North American Journal of Aquaculture*
2012-present Vice-Chair person Estero Bay Agency on Bay Management
2011 Estero Bay Agency on Bay Management Environmental Stewardship Award for Exemplary Service
2008-2009 Grant Reviewer Florida Fish and Wildlife Conservation Commission (FFWCC)
2008 Participated in Gopher the Cache! I developed and delivered a daylong training session about Gopher tortoises and their habitat for the teachers who then taught their (gifted) students.
<http://itech.fgcu.edu/faculty/ndemers/Cache2008/index.htm>
2006-2009 FGCU affiliate for AAUW- Lee Chapter
2005-2006 Grant proposal reviewer: *National Fish and Wildlife Foundation*
2003-present Representative to the Estero Bay Agency on Bay Management for the Responsible Growth Management Coalition (RGMC)
2002-2008 Board member and Secretary: RGMC
2002- present Manuscript reviewer: *Journal of College Science Teaching*
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 Service:

- 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-present Faculty Senate Team Institutional Affairs, Facilitator
2011-present FGCU Food Forest Advisory Council
2004-2006 and
2010-present Whitaker Center for Science Math and Education Technology Leadership Team member
2011-2012 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-present 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 by-laws)
 1997 Inaugural University Library Committee Member

College Service:

2011-2012 Human Biologist Search committee member
 2010-present 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 members: Comparative Biologist, Behavior Ecologist
 2005-2006 Ephemeral College Governance Team
 2000-present 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