





CINDA SCOTT

Marine Biologist, educator, ocean equity advocate, and science communicator.

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ABOUT ME

Marine Biologist, educator, ocean equity advocate, and science communicator cultivating and providing international educational experiences for students seeking careers in marine biology, environmental studies, and conservation. Building equity in ocean science via community-based work using both natural and social sciences to create change that benefits people and the environment.

CURRENT APPOINTMENT

Center Director | The School for Field Studies
Bocas del Toro, Panamá 2014–Present

Direct and lead an international educational study abroad program that supports and sustains student success in conservation biology and environmental studies.

Results focused director who creates active learning environments via inquiry and field-based learning opportunities in alignment with strategic goals and objectives of partnering educational institutions, local organizations and government entities.

Science education expert who works side-by-side with administration, faculty, interns, students, and support staff to develop and train the next generation of ecologists, biologists, and problem-solvers.

Field-based implementation expertise using a team approach to explore ocean equity, conservation, ecological, and sociological and economic issues impacting small island communities in Panamá.

PROGRAM LEADERSHIP EXPERIENCE

Tropical Island Biodiversity Studies (TIBS) Program
Center Director
The School for Field Studies, Bocas del Toro, Panamá
2014–Present

As **Center Director**, lead and manage all aspects of the TIBS program including operations, budgeting, academics, and faculty and student affairs. Coordinate and improve the implementation of curricular

EDUCATION

UNIVERSITY OF MIAMI

PhD | Marine Biology And Fisheries, Evolutionary Molecular Genomics
May 2009

COLUMBIA UNIVERSITY

Post-Baccalaureate Premedical Program
August 2000

MIDDLEBURY COLLEGE

BA | Biology and Environmental Studies
May 1999

EXPERTISE/SKILLS

Areas of Expertise

- Ocean Equity and Education
- Program development and administration
- Marine Conservation Biology
- Forging partnerships
- Grant writing, reporting and assessment

Research Studies

- Laboratory and curriculum improvement
- Quantitative genetics and marine molecular evolutionary biology
- Mangrove ecosystem assessment

SKILLS & INTERESTS

Computer:

Microsoft Office Suite
SPSS
SAS/JMP Genomics

Laboratory:

Fieldwork
Sequencing
Microarrays
Bioinformatic
Statistical data analysis

Language:

Proficient in oral and written
Spanish

Other:

Dance
Tennis
Bicycling
Scuba diving
Figure skating
Photography
Travel

changes to classroom and field exercises. Identify and pilot solutions to improve learning in a field-based learning environment. Provide opportunity to students via the formation of partnerships and collaborations with external organizations and local stakeholders to understand anthropogenic impacts on small island ecosystems. Monitor and evaluate risk and safety protocols and procedures. Areas of focus:

- Conservation and sustainability: Work alongside national and local government officials.
- Strategic planning: Work with faculty to develop research plans and relevant investigations in the Bocas region.
- Operations: Manage logistics, budget and daily operations. Oversee all student health and safety.
- Education Administration: Create reports for headquarters, local partners and government agencies.

Ocean Nexus Program Office

Strategic Advisor & Ocean Nexus Fellow

Nippon Foundation Ocean Nexus Center, University of Washington
2021-Present

As the **Strategic Advisor**, provide the critical perspectives and real-world applications that will help Ocean Nexus make informed, culturally relevant, and context-specific decisions that are crucial to upholding the Center's values. Responsible for ensuring the Center's processes, outcomes, and proposed interventions do not create more harms or perpetuate systems of inequities. Work collaboratively to ensure the vision and mission to transform ocean governance advances in a way that ensures oceans benefit everyone equitably without further disadvantaging the marginalized and disempowered who are unable to equally access or benefit from oceans. Attend general and Program Office Ocean Nexus meetings, advise the overall program as needed.

National Science Foundation Innovation Through Institutional Integration (I3) Project

Program Manager and Coordinator of Integrate Projects in STEM (2012-2014); Project Coordinator (2010-2012)

New York City College of Technology, Brooklyn, NY
2010-2014

As **Program Manager**, developed and led new STEM programs and initiatives to coordinate and improve the implementation of curricular changes to STEM laboratories, identified and piloted solutions to improve laboratory learning, analyzed and informed administration and faculty of key survey results. Provided opportunity to students via grant writing and forming partnerships with external organizations.

- **STEM programs:** Created innovative series of programs for both students and faculty including, women and young women in STEM, STEM faculty case study writing, Brooklyn Navy Yard Development Corporation and City Tech Anchors Internship Program, Kapi'olani Community College and City Tech STEM Faculty Exchange Project, faculty focus groups for lab improvement and technology use in the classroom.
- **Research and Data analysis:** Led all I3 research efforts. Gathered and interpreted collected data to share with department chairs, deans and higher administration to guide evidence-based approaches to improvements in laboratory curriculum. Attended and presented the work of I3 at various conferences on STEM teaching and learning and to US education officials at NSF.
- **Strategic planning:** Restructured all I3 grant objectives and streamlined assessment protocols to create lasting institutional change.
- **Budget Maintenance:** Oversaw personnel and fiscal record keeping for I3, a one million-dollar NSF award, and actively pursued new funding opportunities with the Office of Sponsored Programs. Secured funding to maintain Anchors Internship Program via CUNY Service Corps.

TEACHING EXPERIENCE

Center for Tropical Island Biodiversity Studies

The School for Field Studies, Isla Colón, Panamá
2014-Present

Culture, Language and Society of Panamá (SFS 2070)
Tropical Marine Ecology (SFS 3730)
Tropical Coastal Ecology (SFS 3790)
Tropical Island Ecosystems: The Human Impact (SFS 3000)
Directed Research (SFS 4910)

BOARDS & AFFILIATIONS

The Big Blue You

Member of the Board

New England Science and Sailing Foundation (NESS)

Board Director, Member of Advancement and Education Committees, 2021-2022
Advisory Board Member, 2022-present

Black Women in Ecology, Evolution and Marine Science

Board Director, 2020-present
Chair of the Panel Committee and Member of the Outreach and Education committee, 2020-2022

Bocas Hope Spot

Member of the Board, Co-Author, 2019-present

Ciudad del Saber

Affiliate Member, 2020-present

Association of Marine Laboratories of the Caribbean (AMLC)

Chair of the Communications Committee, 2017-2022
Board Member 2016-present

La Asociación Panameña para el Avance de la Ciencia (APANAC)

Member, 2021-present

- Instruct visiting university students on the history, culture, society and language of Panamá via the lens of cultural competence in conservation.
- Actively engage students to think, discuss and debate the impacts of tourism on a small island community as it relates to marine ecology and social issues, including anthropogenic impacts on mangrove and coral reef ecosystems, and fisheries.
- Instruct students in the process of research including data collection, analysis, and presentation.
- Approve faculty research projects and oversee all undergraduate research projects.

HONORS & AWARDS

Ocean Nexus Visiting Fellow

Ocean Nexus Center
University of Washington
Seattle, WA
October 2021-present

Commendation for Meritorious Service, Recognition Award

The School for Field Studies
Board of Trustees
New York, NY
June 2018

Recipient of the 2014 Service and Appreciation Award for improving and supporting STEM education and laboratory experiences

New York City College of Technology
Brooklyn, NY
February 2014

Black Male Initiative Graduation Celebrate keynote address speaker

New York City College of Technology
Brooklyn, NY
May 2010

Keynote address speaker at the Third Annual Spring Student Symposium

Middlebury College
Middlebury, VT
April 2009

Assistant Professor Adjunct Professor, Department of Biology

New York City College of Technology, Brooklyn, NY
2011-2014

- Instructed introductory biology lecture and laboratory to first year level college students.
- Served as a mentor and advisor to students seeking careers in biology and other STEM fields.

Substitute Teacher, Foreign Language Academy of Global Studies

New York City Department of Education, Bronx, NY
Fall 2009

- Instructed mathematics, science, English and dance classes.
- Served as a mentor and college advisor.

RESEARCH AND OTHER POSITIONS

Cultural Value of Mangrove Ecosystems

The School for Field Studies, Isla Colón, Panamá
2014-Present

Use semi-structured interviews and focus groups to understand stakeholder perspectives of the cultural value of mangrove ecosystems in Bocas del Toro, Panamá.

Mangrove Habitat Complexity Studies

The School for Field Studies, Isla Colón, Panamá
2014-Present

- Community composition, abundance and diversity of fishes, invertebrates and epibionts in Bahía Almirante.
- Understanding the utilization of mangrove epibiont biodiversity and abundance as indicators of ecosystem health.

— Mangrove Habitat complexity and ecosystem connectivity studies.

HONORS & AWARDS

NOAA Educational

Partnership Program –

Environmental Cooperation
Sciences Center Fellowship
recipient

2002–2009

National Action Council for Minorities in Engineering

Alfred P. Sloan scholarship
recipient

2003–2009

Middlebury College Public Service Leadership Award recipient

Middlebury, VT

April 1999

Black Women in Ecology, Evolution and Marine Science (BWEEMS)

Founding Member, Board of Directors, and Chair of Panel Discussion
Committee

2020–Present

Identify leading black women in the fields of ecology, evolution and marine science to join panel discussions aimed at supporting and promoting research and informing younger scientists of opportunities in STEM.

National Science Foundation

Virtual Review Panelist, Washington, DC

March 2014

Reviewed proposals for the Improving Undergraduate STEM Education (IUSE) Program in the Division of Undergraduate Education to improve undergraduate education in biology.

Rosenstiel School of Marine and Atmospheric Science

Graduate Research Assistant, Virginia Key, FL

2002–2009

- Used cDNA microarrays to quantify cardiac metabolic gene expression and measured the heritability of the variation in gene expression in *Fundulus heteroclitus*.
- Performed independent research, which included the collection and maintenance of specimens, design and implementation of proposed research, statistical analysis of microarray and sequencing data, and organization and preparation of manuscripts for publication.

Wildlife Conservation Society

Intern, Global Marine Program, New York, NY

Summer 2009

- Assisted directors with grant writing and conducted literature-based research to inform new marine program initiatives.
- Worked as a liaison between Wildlife Conservation Society administrative offices and the New York Aquarium.

Organogenesis

Analyst I, Microbiology, Canton, MA

2001–2002

- Monitored air quality in critical areas in clean rooms of skin manufacturing company
- Performed bacterial assays on media samples to ensure compliance

New York Presbyterian Hospital

Holter Analyst, New York, NY

2000–2001

Placed 24-hour Holter monitors on out-patients and in-patients with cardiac arrhythmias, analyzed Holter tapes and prepared reports for cardiologists.

PUBLICATIONS

Scott, C.P., Mach, L., Lucas, K. & Myers, A. Whose Cultural Ecosystem Service Values Matter? Exploring Power Inequities in Diverse Mangrove Communities. *Human Ecology*. **UNDER REVIEW**

Spalding, A., Grorud-Colvert, K., Amon, D., Suman, D., de Vos, A., Allison, E., Cisneros-Montemayor, A.M., Scott, C., Collin, R., Friedlander, A.M., Fiorenza, M., Mangubhai, S., Mayora Genao, J.S., Harris, J., Mana'oakamai Johnson, S., Paris, C., Pouponneau, A., Naggea, J., Obura, D., Palacios, J., & Hicks, C. (2023) Engaging the Tropical Majority to Make Ocean Governance and Science more Equitable and Effective. **IN PRESS**

Datchoua-Tirvaudey, A., Martin, A., Scott, C.P. (2023). Racial-Gender Disparities, and the Impacts of Coloniality in Ocean Science on BIPOC Women. In: Obaidullah, F. (eds) *The Ocean and Us*. Springer, Cham.

Scott, Cinda. "Changing the Narrative in Marine Science and Conservation Is the Responsibility of Us All." *www.waterlust.com*, 21 July 2020, waterlust.com/blogs/the-waterlust-blog/changing-the-narrative.

Mach, L. & Scott, C.P. (2018) The Role of Research and Training Institutions in Tourism Destination Governance in Bocas del Toro, Panamá. In D.O. Suman and A.K. Spalding (Eds.), *Coastal Resources of Bocas del Toro, Panama: Tourism and Development Pressures and the Quest for Sustainability* (pp. 91–118). Coral Gables, FL: Editora Géminis.

Suman, D.O., Spalding, A.K. and Scott C.P. (2018) Final Thoughts - Moving forward. In D.O. Suman and A.K. Spalding (Eds.), *Coastal Resources of Bocas del Toro, Panama: Tourism and Development Pressures and the Quest for Sustainability* (pp. 231–238). Coral Gables, FL: Editora Géminis.

Eggers-Piérola, C., August, B., Scott, C.P., Brown, P. & Lansiquot, R.D. (2014) Promoting an Interdisciplinary Campus Culture. In R. Lansiquot (Ed.), *Technology, Theory and Practice in Interdisciplinary STEM Programs* (pp. 107–124). New York, NY: Information Science Reference. doi:10.10057/978-1-137-56739-0. ch06

Scott, C. P., August, B., & Eggers-Piérola, C. (2013). All Hands on Deck: Using Case Studies to Support Institutional Change. In R. Lansiquot (Ed.), *Cases on Interdisciplinary Research Trends in Science, Technology, Engineering, and Mathematics: Studies on Urban Classrooms* (pp. 320–348). Hershey, PA: Information Science Reference. doi:10.4018/978-1-4666-2214-2.ch013

Scott, C. P., Williams, D. A., Crawford, D. L. (2009) The Effect of Genetic and Environmental Variation on Metabolic Gene Expression. *Molecular Ecology* 18(13), p2832–2843

Scott, C. P., VanWye J., McDonald M. D., Crawford, D. L. (2009) Technical Analysis of cDNA Microarrays. PLoS ONE 4(2): e4486

CONFERENCES AND PRESENTATIONS

March 2023- New England Science and Sailing, “Notes from the Field: Career Strategies, Life Journeys and Working in the Field”, Invited guest speaker, Stonington, Connecticut via Zoom.

March 2023- Our Ocean Conference, “Towards an Equitable Approach to Marine Plastic Pollution”, Invited Panelist Nippon Foundation Ocean Nexus Center OOC side event, Panama City, Panamá.

February 2023- Fifth International Marine Protected Areas Congress (IMPAC5), “Mainstreaming Equity in Marine Protected Areas: a Global Outlook from Local Perspectives”, Invited Panel Speaker, Vancouver, Canada.

September 2022- Congreso Latinoamericana de Ciencias del Mar (COLACMAR), “Valoración cultural de los ecosistemas de manglar en Bocas del Toro, Panamá”, Sesión de Gobernanza y Política Marina, Speaker, Panama City, Panamá.

September 2022- Smithsonian Tropical Research Institute, “Cultural Competence in Conservation: Bocas Culture and Regional Environmental Threats”, Invited Speaker, Oregon State University visiting course, Isla Colón, Bocas del Toro, Panamá.

June 2022- United Nations Ocean Conference 2022, “Procedural Key Performance Indicators (PKPI) for Assessing Global Ocean Equity” Ocean Nexus UN Ocean Conference, Question and Answer Invited Panelist, Lisbon, Portugal via Zoom.

June 2022- Glenaire Retirement Community, “Notes from the Field: The importance of corals, mangroves and seagrasses”, Invited Community Speaker for World Ocean Week, Cary, North Carolina via Zoom.

June 2022- Baltimore County Public Schools, “The Human Impact on Coral Reefs and Marine Habitats”, Invited Class Speaker Grade 7, Baltimore, Maryland via Zoom.

June 2022- The Chrysalis School, “La Maravilla de los Corales de Bocas del Toro”, Invited Class Speaker Grades 1-3, Isla Colón, Bocas del Toro, Panamá.

June 2022- Escuela Bet-El, “La Maravilla de los Corales de Bocas del Toro”, Invited Class Speaker Grades 1-5, Isla Colón, Bocas del Toro, Panamá.

May 2022- Western Washington University, “The role of scientists in public communication, stewardship, and activism”, Invited Panelist, Western Washington University, Bellingham, WA via Zoom.

April 2022- Butler University, “Building Equity in Ocean Science”, Invited Class Speaker, Indianapolis, IN via Zoom.

April 2022- GEOMAR Helmholtz Centre for Ocean Research, “Notes from the Field”, Invited Speaker, Kiel, Germany via Zoom.

March 2022- New England Graduate Women in Science and Engineering Spring Summit 2022, "Building a Career Path in STEM: Following Your Passions Inside and Outside of the Lab", Invited Panelist, Northeastern University, Boston, MA via Zoom.

March 2022- What do Marine Biologists Do?, Invited Speaker, pre-school class, Sharon, MA via Zoom.

March 2022- Careers in Marine Science, Invited Speaker, Bowling Green State University, Bowling Green, OH via Zoom.

February 2022- BIPOC in Marine Science, Invited Panelist, Florida Atlantic University, Boca Raton, FL via Zoom.

February 2022- Ocean Nexus Meeting, Invited Speaker, "A case study of the cultural valuation of mangrove ecosystems in Bocas del Toro, Panamá", Nippon Foundation Ocean Nexus Center, University of Washington, Seattle, WA via Zoom.

January 2022- New England Science and Sailing, Marine Mavens Speaker Series, Invited Speaker, Stonington, CT via Zoom.

December 2021- Old Saybrook High School, Invited Speaker, Old Saybrook, CT via Zoom.

October 2021- Lake-Sumter State College, Invited Speaker, Talent Search Program, Leesburg, FL via Zoom.

October 2021- POSea Conference for Underrepresented Groups in Marine Science, Panel Speaker, Texas A&M at Galveston Department of Marine Biology, Galveston, TX via Accelevents online conferencing.

September 2021- OCEANS Conference and Exposition, Panel Speaker, Women in Engineering Breakfast Panel on Justice, Equity, Diversity and Inclusion, San Diego, CA via Zoom.

July 2021- GEOMAR Graduate Student Lecture Series, Guest Speaker, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, via Zoom.

June 2021- Integrated Marine Program and College Training (IMPACT), Guest Speaker, Phillip & Patricia Frost Museum of Science and Miami-Dade County Public Schools, Miami, FL via Zoom.

May 2021- Black Women in Ecology, Evolution and Marine Science (BWEEMS), Presenter, BWEEMS Science Share, Miami, FL via Zoom and Panel Speaker, Life in Academia Panel Discussion, Miami, FL via Zoom.

May 2021- UCLA Ocean Resources for Conservation and Advocacy (ORCA), Panelist, Conservation and Policy Panel, Los Angeles, CA via Zoom.

May 2021- The Big Blue and You, IG Live Guest, Worldwide via Instagram Live.

May 2021- Middlesex School, Invited Speaker, Bendheim Lecture Series, Concord, MA via Zoom.

April 2021– Ransom Everglades School, Invited Earth Week Speaker, Middle School, Miami, FL, USA via Zoom.

March 2021– Bad Science Podcast – The Meg, Invited Science Expert via Riverside.fm.

March 2021– Black Women in Ecology, Evolution and Marine Science (BWEEMS), Moderator and Host, Marine Policy Panel, Miami, FL, USA via Zoom.

March 2021– Florida Atlantic University, Invited Panelist, FAU Marine Lab’s Minorities in Marine Science Panel, Boca Raton, Florida, USA via Zoom.

February 2021– Smithsonian Tropical Research Institute (STRI) and Ministerio de Educación (MEDUCA) Panamá, Teacher training series “*Indagar, aprender y conservar: una aventura de ciencia con Smithsonian 2021*”, Invited Guest Speaker, Almirante and Bocas Town, Bocas del Toro, Panamá via Zoom.

February 2021– MAST Academy, Invited Guest Speaker, *Notes from the Field: My journey in marine biology*, Miami, Florida, USA, via Zoom.

February 2021– Florida Atlantic University, Invited Guest Speaker, *The need for cultural competence in conservation: A case study of the Isla Bastimentos National Marine Park, Bocas del Toro, Panamá*, Boca Raton, Florida, USA via Zoom.

February 2021– Autoridad de Turismo de Panamá, Host and Presenter, Meeting between the national and local tourism authority of Panamá to discuss sustainable development goals in tourism for the BDT region in collaboration with Bocas Hope Spot and The School for Field Studies, Bocas del Toro, Panamá.

January 2021– Municipio de Bocas del Toro, Invited Speaker, *El Cambio Climático y sus Afectos en el Archipiélago de Bocas del Toro*, Bocas Town, Bocas del Toro, Panamá.

November 2020– Elementary School, 5th Grade Invited Guest Speaker, *My Science Journey*, Houston, Texas, USA via Zoom.

November 2020– University of California Los Angeles, Invited Guest Speaker in the Ecology and Evolutionary Biology Department’s Weekly Seminar Series, *The need for cultural competence in conservation: A case study of the Isla Bastimentos National Marine Park, Bocas del Toro, Panamá*, Los Angeles, California, USA via Zoom.

November 2020– STEM to the SKY, Video Interview, Recorded interview with teenage founders of STTS to discuss life as a marine biologist, working in the field and teaching recorded November 12, 2020, Maryland, USA via Zoom.

November 2020– McGill University, Presentation to the Laboratory of Dr. Lauren Chapman, *Notes from the Field: A personal journey in marine biology, education and conservation*, Centre de la Science de la Biodiversité du Québec, Montreal, Quebec, Canada via Zoom.

October 2020- Panama Heavens, Video Interview, Recorded discussion on conservation in the archipelago of Bocas del Toro and tools for young people to make a difference, Isla Colón, Bocas del Toro, Panamá.

October 2020- TED Talks, Presenter, *Re-imagining the Isla Bastimentos National Marine Park as a Tool for Conservation in Bocas del Toro, Panamá*, Pre-recorded via the TED global initiative to champion and accelerate solutions to the climate crisis. <https://www.conferize.com/tedx david/countdown>.

October 2020- Bates College, Invited Guest Speaker on climate change impacts on Caribbean marine ecosystems, Department of Biology 242 course, Lewiston, ME, USA via Zoom.

October 2020- New England Science and Sailing Foundation, Invited Speaker, *Notes from the Field: A personal journey in marine biology, education and conservation*, Live Zoom Presentation hosted by NESSF, Stonington, New London and Westing, CT, USA.

September 2020- Autoridad de Turismo Panamá, Invited Panelist, *Turismo, Conservación E investigación en Panamá*, Pre-recorded Zoom panel discussion via ATP Panamá, Panama City, Panamá.

September 2020- Adopta Bosque, Invited IG Speaker for the "Naturalista en Casa" Program, *Bocas del Toro tourism and natural environments*, Live IG Presentation and Interview via Panama City, Panamá.

September 2020- William and Mary, Invited Speaker, *The Isla Bastimentos National Marine Park: A case study of marine policy, science, conservation, and community in Bocas del Toro, Panamá*, Live Zoom presentation hosted by William and Mary, Williamsburg, VA, USA.

August 2020- (T)he Lighthouse with Tootsie Olan, Interview, "(Island) Living Your Dream Life", recorded video production for Tootsie Olan Productions, New Jersey, USA.

July 2020- The Chronicle of Higher Education, Invited Panelist, *Innovative Ideas for Conducting Research and Studies Remotely*, Live Zoom Panel Discussion, USA.

June 2020- Ministerio de Ambiente, Panamá, Invited Speaker, *Ecología y Biodiversidad del área protegida en Bocas del Toro*, Isla Zapatilla 2, Bocas del Toro, Panamá.

February 2020- Dope Labs, Featured Scientist, *Black in STEM*, Pre-Recorded Interview via Dope Lab Podcast Productions, USA.

December 2019- Bocas Hope Spot, Kickoff Event Organizer and Presenter, *Introduction to the Bocas Hope Spot*, Mission Blue Hope Spot Designation, Bocas del Toro, Panamá.

October 2019- Universidad de Panamá, CRUBO, Invited Speaker, *Investigaciones de Ciencias Marinas en el Centro para Estudios de Islas Tropicales*, Changuinola, Bocas del Toro, Panamá.

May 2019- 39th Association of Marine Laboratories of the Caribbean Scientific Meeting, AMLC Communications Committee Chair and meeting organizer, student presentation reviewer, Punta Cana, Dominican Republic.

April 2018– 7th Annual Diversity Abroad Conference, Poster Presentation, *Navigating Identity via Community Engagement and Conservation Efforts in Bocas del Toro, Panamá*, Miami, FL, USA.

April 2018– Middlebury College Public Service Leadership Awards Dinner, Invited keynote speaker, Middlebury, VT

January 2018– Isla Bastimentos National Marine Park Guard Workshop and Training, Presenter, *Threats and Challenges to Marine Ecosystems in the Marine Protected Area*, Bocas del Toro, Panamá.

June 2018– Universidad de Panamá, Invited keynote speaker for International Water Day, Changuinola, Bocas del Toro, Panamá.

May 2017– Association of Marine Laboratories of the Caribbean (AMLC), Board and Main meeting, attendee and presentation to the board as an institutional member, Mérida, México.

June 2017– Universidad de Panamá, Invited guest speaker for *Mes de Los Recursos Naturales*, Changuinola, Bocas del Toro, Panamá.

April 2015– University of Miami, Presentation to graduate students traveling through Bocas del Toro, Panamá on livelihoods, tourism and Panamanian identity in the BDT archipelago, Bocas del Toro, Panamá.

March 2014– Improving the Undergraduate STEM Experience, Technical Education Resource Centers (TERC) and the National Science Foundation Summative Assessment of the Innovation through Institutional Integration (I-Cubed) Program, National Academy of Sciences, poster presentation: “The City Tech I-Cubed Incubator: An evidence-based approach to fostering and sustaining institutional change”, Washington, DC, USA.

July 2013– SENCER Summer Institute, Annual Summer Institute, attendee as part of a four-person team from New York City College of Technology, San Jose, CA, USA.

April 2013– Kapi’olani Community College and New York City College of Technology Faculty Exchange, Case Study Workshop, Kapi’olani Community College, event coordinator and presenter: “Examples and Outcomes of the Use of Case Studies in STEM Laboratories and Classrooms”. Honolulu, HI, USA.

Nov 2012– Network for Academic Renewal Conference, Next-Generation STEM Learning: Investigate, Innovate, Inspire, Workshop presenter: “Using Case Studies to Support Interdisciplinary STEM Curricula”, Kansas City, MO, USA.

October 2012– Interdisciplinary Case Study Presentations, New York City College of Technology, event coordinator and moderator, New York, NY, USA.

September 2012 and February 2013– Brooklyn Navy Yard Anchors Internship Information Session, Brooklyn Navy Yard Development Corporation, event coordinator, presenter: “Applying to the BNYDC Anchors Internship”, Brooklyn, NY, USA.

June 2012– NSF JAM, Joint Annual Meeting, poster presentation: “Developing an Internal Online Data Sharing and Reporting System for City Tech NSF Projects.” Washington, DC, USA.

March 2012- Young Women in STEM Workshop, New York City College of Technology, event coordinator, moderator and speaker: "A Woman's Guide to Shameless Self Promotion: How to compete by using key words and phrases in your resume, personal statements and interviews", New York, NY, USA.

July 2011- City College Bridge to the Doctorate Program, Presenter: "From Here to There and Everywhere: A guide to earning your Ph.D.", New York, NY, USA.

June 2011- Quality Education for Minorities Network, Workshop Participant and Presenter, Broadening Participation Efforts within National Science Foundation funded Innovation through Institutional Integration Projects, *Accomplishments, Lessons Learned, and Challenges in Implementing an I³ Award with a Broadening Participation Strand*, Baltimore, MD, USA.

March 2011- Biomedical Science Careers Program, Annual Meeting, Attendee and BSCP mentor, Boston, MA, USA.

June 2010- Capital Hill Ocean Week, Annual Conference Attendee, Washington, DC, USA.

June 2008- Society for Molecular Biology and Evolution, Annual Meeting, poster presentation: "The effect of genetics and environmental variation on gene expression in the teleost fish, *Fundulus heteroclitus*", Barcelona, Spain.

July 2007- Gordon Research Conference, 'Evolutionary and Ecological Functional Genomics', poster presentation: "Genetic and environmental variation effects on gene expression in *F. heteroclitus*", Newport, RI, USA.

October 2006- NOAA Educational Partnership Program Education and Science Forum, Oral presentation: "Evolved differences in gene expression: Genetic basis and physiological impact within and between populations of *F. heteroclitus*", Florida A&M University, Tallahassee, FL, USA.

June 2006- Summer Institute in Statistical Genetics, Module attendee, University of Washington, Microarray Analysis (Module 5) and Introduction to QTL mapping (Module 10), Seattle, Washington, USA.

June 2005- Society for Experimental Biology Main Meeting, Poster presentation: "Toward understanding the lifecycle of the etiologic agent of Damselfish Neurofibromatosis: Insights using *in vitro* techniques", Barcelona, Spain.