

ERIKA CRISPO

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Dyson College of Arts and Sciences
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WORK EXPERIENCE

- Assistant Professor Pace University, Department of Biology, 2012-present
Dyson College of Arts and Sciences
- Postdoctoral Fellow University of Calgary, Department of Biological Sciences, 2011-2012
Molecular ecology of the threespine stickleback in Alberta
Supervisor: Sean Rogers
- Course Instructor University of Toronto Mississauga, Department of Biology, 2011
Course: Biometrics II

EDUCATION

- Ph.D. McGill University, Department of Biology, 2006-2010
Genetic and phenotypic responses to hypoxia in an African cichlid fish
Supervisor: Lauren Chapman
Co-supervisor: Andrew Hendry
- M.Sc. McGill University, Department of Biology, 2002-2004
Influences of natural selection and geography on gene flow in guppies
Supervisor: Andrew Hendry
- B.Sc. University of Guelph, Department of Zoology, 1998-2002
Wildlife Biology major, Honours program

AWARDS & GRANTS

- 2013 Pace University 2013-2014 Undergraduate Student-Faculty Research Initiative
Undergraduate student: Keith Thomas
Project title: Analyzing next-generation sequencing data to identify evolutionary responses of the immune system to pollution in longnose dace
(\$750 honorarium)

- 2013 Dyson College 2013 Summer Undergraduate Student-Faculty Research Program
Undergraduate student: Karina Shendrik
Project title: Using next-generation sequencing to identify variation in immune response genes in longnose dace fish populations from polluted and non-polluted environments (\$2,000 stipend for student, \$500 supplies)
- 2013 Huyck Preserve Summer Grant
Project title: Character release and the evolution of pumpkinseed sunfish polyphenism (\$2,000)
- 2013 Co-applicant, Provost's Grants for the Thinkfinity Initiative
PI: Zafir Buraei
Project title: Polymerase chain reaction: from studies of human disease to characterizing fish populations (\$8,700 for equipment)
- 2012-2013 Co-applicant, Grant Eligible Conservation Fund, Alberta Conservation Association
PI: Sean Rogers
Project title: The threespine stickleback in Alberta: a candidate for eradication or protection? (\$9,500)
- 2011-2012 Postdoctoral Fellowship, Natural Sciences and Engineering Research Council of Canada (\$40,000 per year for two years)
- 2011-2012 Postdoctoral Fellowship B3 (*declined due to acceptance of other fellowship*), Le Fonds Québécois de la Recherche sur la Nature et les Technologies (\$30,000 per year for two years)
- 2010 Delise Allison Graduate Student Development Award, Redpath Museum, McGill University (\$500)
- 2009-2010 Vineberg Family Fellowship, Freshwater Biology and Limnology, McGill University (\$8,000)
- 2009-2010 Principal's Graduate Fellowship, McGill University (\$2,500)
- 2009 Best oral presentation, Environment and Evolution session, Interdisciplinary Graduate Student Research Symposium, McGill University (\$200)
- 2008 Guy D. Jordon Endowment Fund, American Cichlid Association (\$1,120)
- 2007 Delise Allison Graduate Student Development Award, Redpath Museum, McGill University (\$500)
- 2006-2009 Canada Graduate Scholarship D3, Natural Sciences and Engineering Research Council of Canada (\$35,000 per year for three years)

- 2006-2009 Doctoral Research Scholarship B2 (*declined due to acceptance of other scholarship*), Le Fonds Québécois de la Recherche sur la Nature et les Technologies (\$20,000 per year for three years)
- 2006 Biology Department Top-Up Award, McGill University (\$5,000)
- 2003 Arts and Science Class of 1966 Award, Redpath Museum, McGill University (\$2,500)
- 2000 Ronald Ko Award, highest mark in Wildlife Parasitology undergraduate course, University of Guelph (\$500)

PUBLICATIONS

Hussain, N.*, Rodriguez, S.S.*, Pavey, S.A., Tunna, H.R., Jackson, L.J., Rogers, S.M., and **Crispo, E.** (In preparation) The evolution of the major histocompatibility complex in response to pollution in the longnose dace. *Pace undergraduate students.

Crispo, E. (Accepted) Evaluating Tools to Ameliorate Environmental Challenges: a Green Roofs Case Study. In: Learner-Centered Teaching Activities for Environmental and Sustainability Studies. Edited by L. Byrne.

Hamel, C.I.*, and **Crispo, E.** (Revision submitted) Morphology of pumpkinseed sunfish (*Lepomis gibbosus*) is related to water body size. Bios, manuscript number BIOS-D-14-00029. *Pace undergraduate student.

Rezansoff, A.M., **Crispo, E.**, Blair, C., Cruz, E.*, Kitano, J., Vamosi, S.M., and Rogers S.M. (2015) Toward the genetic origins of a potentially non-native population of threespine stickleback (*Gasterosteus aculeatus*) in Alberta. Conservation Genetics 16:859-873. *Pace undergraduate student.

Crispo, E. (2015) A new index to use in conjunction with the h-index, to account for an author's relative contribution to publications with high impact. Journal of the Association for Information Science and Technology. DOI: 10.1002/asi.23426

Wiens, K.E.*, **Crispo, E.**, and Chapman, L.J. (2014) Phenotypic plasticity is maintained despite geographical isolation in an African cichlid fish, *Pseudocrenilabrus multicolor*. Integrative Zoology, 9, 85-96. *Undergraduate student under my supervision.

Hendry, A.P., Kaeuffer, R., **Crispo, E.**, Peichel, C.L., and Bolnick, D.I. (2013) Evolutionary inferences from the analysis of exchangeability. Evolution, 67, 3429-3441.

Crispo, E.*, Moore, J.-S.*, Lee-Yaw, J.A., Gray, S.M., and Haller, B.C. (2011) INVITED: Broken barriers: human-induced changes to gene flow and introgression in animals. BioEssays, 33, 508-518. *Contributed equally.

Crispo, E., and Chapman, L.J. (2011) Hypoxia drives plastic divergence in cichlid body shape. Evolutionary Ecology, 25, 949-964.

Crispo, E., and Chapman, L.J. (2010) Geographic variation in phenotypic plasticity in response to dissolved oxygen in an African cichlid fish. *Journal of Evolutionary Biology*, 23, 2091-2103.

Crispo, E., DiBattista, J.D., Correa, C., Thibert-Plante, X., McKellar, A.E., Schwartz, A.K., Berner, D., De León, L.F., and Hendry, A.P. (2010) The evolution of phenotypic plasticity in response to anthropogenic disturbance. *Evolutionary Ecology Research*, 12, 47-66.

Crispo, E., and Chapman, L.J. (2010) Temporal variation in the population genetic structure of a riverine African cichlid fish. *Journal of Heredity*, 101, 97-106.

Crispo, E. (2008) Modifying effects of phenotypic plasticity in interactions among natural selection, adaptation and gene flow. *Journal of Evolutionary Biology*, 21, 1460-1469.

Crispo, E., and Chapman, L.J. (2008) Population genetic structure across dissolved oxygen regimes in an African cichlid fish. *Molecular Ecology*, 17, 2134-2148.

Crispo, E. (2007) The Baldwin effect and genetic assimilation: revisiting two mechanisms of evolutionary change mediated by phenotypic plasticity. *Evolution*, 61, 2469-2479.

Crispo, E., Hagen, C., Glenn, T., Geneau, G., and Chapman, L.J. (2007) Isolation and characterization of tetranucleotide microsatellite markers in a mouth-brooding haplochromine cichlid fish (*Pseudocrenilabrus multicolor victoriae*) from Uganda. *Molecular Ecology Notes*, 7, 1293-1295.

Davy, C.M., **Crispo, E.**, and Woo, P.T.K. (2007) The use of a live vaccine to modulate *Cryptobia salmositica* infections in *Salmo salar*. *Diseases of Aquatic Organisms*, 76, 45-48.

Crispo, E., Bentzen, P., Reznick, D.N., Kinnison, M.T., and Hendry, A.P. (2006) The relative influence of natural selection and geography on gene flow in guppies. *Molecular Ecology*, 15, 49-62.

Crispo, E., and Hendry, A.P. (2005) Does time since colonization influence isolation by distance? A meta-analysis. *Conservation Genetics*, 66, 665-682.

Paterson, I.G., **Crispo, E.**, Kinnison, M.T., Hendry, A.P., and Bentzen, P. (2005) Characterization of tetranucleotide microsatellite markers in guppy (*Poecilia reticulata*). *Molecular Ecology Notes*, 5, 269-271.

PRESENTATIONS

SEMINARS

Crispo, E. (1 April 2015) The 'omics of adaptation to hypoxia in African cichlid fish. NYU Evening Evolution Group, New York University, New York.

Crispo, E. (May 2014) The evolution of immune response in fish exposed to varying levels of aquatic pollutants. Biology Colloquium; Queens College, New York, New York.

Crispo, E. (November 2012) Molecular tools for ecological questions. Pace University, New York, New York.

Crispo, E. (April 2011) Environmental stressors shape populations: from African cichlids to Canadian fishes. Comparative Physiology Seminar Series; University of Guelph, Guelph, Ontario.

Crispo, E. (March 2011) Environmental stressors shape fish populations. University of Toronto Mississauga, Mississauga, Ontario.

Crispo, E. (December 2010) Factors influencing phenotypic variation: natural selection, phenotypic plasticity, and gene flow. Laurentian University, Sudbury, Ontario.

Crispo, E. (February 2010) Interactions among local adaptation, phenotypic plasticity, and gene flow. Queen's University, Kingston, Ontario.

Crispo, E. (April 2009) Adaptation to hypoxia in an African cichlid fish: roles of phenotypic plasticity and gene flow. University of Toronto St. George, Toronto, Ontario.

Crispo, E. (November 2006) Phenotypic plasticity and adaptive evolutionary diversification in an African cichlid. Behaviour and Ecology Seminar Series; Concordia University, Montréal, Québec.

Crispo, E., Hendry, A.P., Bentzen, P., Kinnison, M.T., and Reznick, D.N. (February 2005) Natural selection and gene flow in guppies. Simon Fraser University, Burnaby, British Columbia.

Crispo, E. (May 2003) Relative roles of natural selection and gene flow in the divergence of guppy populations. Aquatic Seminar Series; McGill University, Montréal, Québec.

CONFERENCES

Crispo, E., Hussain, N.*, Rodriguez, S.S.*, Pavey, S.A., Tunna, H., Jackson, L., and Rogers, S. (30 June 2015) Evolution of the MHC in response to aquatic pollution in a riverine cyprinid fish, the longnose dace. Evolution 2015; Guarujá, Brazil. *Pace undergraduate students

Crispo, E. (June 2014) Conservation in the genomics era. Welcome to the Anthropocene; Association for Environmental Studies and Sciences; New York, New York.

Flores, M.*, and **Crispo, E.** (June 2014) POSTER: Assisted migration at the community level. Welcome to the Anthropocene; Association for Environmental Studies and Sciences; New York, New York. *Pace undergraduate student.

Crispo, E., Rodriguez, S.S.*, Thomas, K.R.*, Tunna, H., and Rogers, S.M. (May 2014) MHC evolution in fish exposed to varying levels of aquatic contaminants. Genomes to Biomes; Montréal, Québec. *Pace undergraduate students.

Rodriguez, S.S.*[†], Thomas, K.R.*[†], Shendrik, K.S.*, and **Crispo E.** (April 2014) POSTER: Effects of environmental stress on immune response evolution in longnose dace. William Patterson University Undergraduate Research Symposium; Wayne, New Jersey. *Pace undergraduate students. [†]Both were presenters.

Hamel, C.I.* and **Crispo E.** (April 2014) POSTER: Ecological differences may drive the existence of morphological differences in sunfish populations. William Patterson University Undergraduate Research Symposium; Wayne, New Jersey. *Pace undergraduate student.

Rodriguez, S.S.*, Thomas, K.R.*, Shendrik, K.S.*, and **Crispo E.** (April 2014) POSTER: Effects of environmental stress on immune response evolution in longnose dace. Eastern Colleges Science Conference; Marist College, Poughkeepsie, New York. *Pace undergraduate students.

Cruz, E.*, **Crispo, E.**, Rezansoff, A., and Rogers, S.M. (October 2013) POSTER: The threespine stickleback in Alberta: A candidate for eradication or protection? Student Conference on Conservation Science; American Museum of Natural History, New York. *Pace undergraduate student.

Higa, T.A.*, Levandowsky, M., and **Crispo, E.** (October 2013) POSTER: Long-term trends in fish communities of the Hudson River Estuary. Student Conference on Conservation Science; American Museum of Natural History, New York. *Pace masters student

Crispo, E., and Chapman, L.J. (May 2011) Hypoxia drives variation in cichlid body shape. Canadian Society for Ecology and Evolution; Banff, Alberta.

Tunna, H., Rogers, S.M., Jackson, L., and **Crispo, E.** (May 2011) POSTER: Population genetic consequences of endocrine disrupting compounds on longnose dace (*Rhinichthys cataractae*) in southern Alberta. Canadian Society for Ecology and Evolution; Banff, Alberta.

Crispo, E. (May 2010) INVITED: Interplay among local adaptation, phenotypic plasticity, and gene flow. SYMPOSIUM TITLE: Phenotypic plasticity and its role in evolution. Comparative Morphology and Development Section, Canadian Society of Zoologists; Vancouver, British Columbia.

Crispo, E., and Chapman, L.J. (May 2009) Interplay among divergent selection, phenotypic plasticity, and gene flow in an African cichlid fish. Canadian Society for Ecology and Evolution; Halifax, Nova Scotia.

Crispo, E., and Chapman, L.J. (July 2008) No evidence for ecological isolation in an African cichlid: a role of phenotypic plasticity? Joint Meeting of Ichthyologists and Herpetologists; Montréal, Québec.

Crispo, E., and Chapman, L.J. (August 2007) POSTER: Parapatric versus allopatric population divergence, and adaptation to alternate oxygen regimes in an African cichlid. European Society for Evolutionary Biology; Uppsala, Sweden.

Crispo, E., and Chapman, L.J. (May 2007) Population divergence and adaptation to hypoxic and normoxic environments in an African cichlid. Canadian Society of Zoologists; Montréal, Québec.

Crispo, E., Moore, J.-S., and Hendry, A.P. (August 2005) POSTER: A comparison of classification methods: morphology versus microsatellites. Ecological Society of America; Montréal, Québec.

Crispo, E., Moore, J.-S., and Hendry, A.P. (June 2005) Use of morphology and neutral markers to infer relative roles of selection, history, and gene flow in evolutionary diversification. *Evolution*; Fairbanks, Alaska.

Crispo, E., and Hendry, A.P. (September 2004) Relative influence of natural selection and barriers to dispersal on gene flow. *South Eastern Evolution, Population Genetics, and Ecology*; Swannanoa, North Carolina.

Crispo, E., Hendry, A.P., Bentzen, P., Kinnison, M.T., and Reznick, D.N. (June 2004). Factors influencing gene flow in Trinidadian guppies. *Evolution*; Fort Collins, Colorado.

OTHER SYMPOSIA

Hussain, N.*, Rodriguez, S.S.*, Pavey, S.A., Tunna, H., Rogers, S.M., and **Crispo, E.** (22 April 2015) POSTER: Evaluating MHC evolution in response to pollution in longnose dace. 3rd Annual Pace-Wide Research Day; Pace University, New York. *Pace undergraduate students.

Hussain, N.*, Rodriguez, S.S.*, Pavey, S.A., Tunna, H., Rogers, S.M., and **Crispo, E.** (8 March 2015) POSTER: Evaluating MHC evolution in response to pollution in longnose dace. Dyson College 34th Annual Meeting of the Society of Fellows; Pace University, New York. *Pace undergraduate students.

Thomas, K.R.*, Rodriguez, S.S.*, and **Crispo, E.** (May 2014) POSTER: Using next-generation sequencing to identify variation in immune response genes in longnose dace fish populations from polluted and non-polluted environments. NYC Undergraduate Research Spring Showcase; Pace University, New York, New York. *Pace undergraduate students.

Crispo, E., Rodriguez, S.S.*, Thomas, K.R.*, and Shendrik, K.S.* (April 2014) POSTER: The evolution of immune response in riverine fish exposed to varying levels of aquatic pollutants. Pace-Wide Research Day, Pace University, New York, New York. *Pace undergraduate students.

Thomas, K.R.*[†], Shendrik, K.S.*[†], Rodriguez, S.S.*, and Crispo, E. (March 2014) POSTER: The evolution of immune response in riverine fish exposed to varying levels of aquatic pollutants. Dyson College 33rd Annual Meeting of the Society of Fellows; Pace University, Pleasantville, New York. *Pace undergraduate students. [†]Both were presenters.

Higa, A.*, **Crispo, E.**, Zain, N., Drew, C., Levandowsky, M. (April 2013) POSTER: Long-term trends in fish communities in the Hudson River estuary. The Ecology of New York City Symposium; Columbia University, New York City, New York. *Pace masters student.

Wiens, K.E.*, **Crispo, E.**, and Chapman, L.J. (October 2010) POSTER: Does isolation curb developmental plasticity in an African cichlid? Undergraduate Research Conference, McGill University Faculty of Science; Montréal, Québec.*Undergraduate student.

Crispo, E., and Chapman, L.J. (March 2009) Adaptation to alternate oxygen environments in an African cichlid fish. Interdisciplinary Graduate Student Research Symposium; McGill University, Montréal, Québec.

Crispo, E. (June 2008) Adaptation of fish populations to hypoxic environments. Kibale Conservation Area Researchers Symposium; Kibale National Park, Uganda.

Crispo, E. (December 2006) Phenotypic plasticity, gene flow, and evolution in an African cichlid. Graduate Student Symposium; Gault Nature Reserve, Mont St. Hilaire, Québec.

Crispo, E. (April 2004) Does natural selection influence gene flow in guppies? Conservation, Ecology, Evolution, and Behaviour Research Symposium; McGill University, Montréal, Québec.

TEACHING & SUPERVISION

COURSES TAUGHT

Fall 2015	BMB620, Quantitative Methods, graduate, Pace University
Fall 2015	BIO399Z, Evolutionary Biology, undergraduate writing-enhanced course, Pace University
Fall 2015	BIO101, General Biology I Laboratory, Pace University
Spring 2015	BIO102, General Biology II Lectures (2 sections) and Lab (1 section), Pace University
Fall 2014	ENS622, Quantitative Analytical Methods, graduate, Pace University
Fall 2014	BIO205, Concepts of Environmental Science, undergraduate, Pace University
Spring 2014	BIO102, General Biology II Lecture (2 sections) and Laboratory (1 section), undergraduate, Pace University
Fall 2013	BIO399Z, Evolutionary Biology, undergraduate, writing-enhanced course, Pace University.
Fall 2013	BIO102, General Biology II Laboratory (2 sections), undergraduate, Pace University.
Fall 2013	UNV101, Introduction to University Community, undergraduate seminar, Pace University.
Spring 2013	BIO102, General Biology II Lecture (1 section) and Laboratory (2 sections), undergraduate, Pace University
Fall 2012	BIO205, Concepts of Environmental Science, undergraduate, Pace University
Fall 2012	BIO231, Genetics Laboratory, undergraduate, Pace University
Fall 2012	BIO101, General Biology I Laboratory, undergraduate, Pace University
Winter 2011	BIO361, Biometrics II, undergraduate, University of Toronto Mississauga

SUPERVISION

- 2015-present Gian Joseph, BIO491, Internship in Biology, Pace University
Estimating evapotranspiration rates in plants used in green roofs.
- 2015 Rayona Wise, Special Topics, Master of Science in Environmental Science, Pace University
Evaluating statistical methods in ecology
- 2014-2015 Noreen Hussain, BIO480 and Honors, Pace University
Analyzing next-generation sequencing data to detect effects of pollution on the evolution of immune response genes
- 2014 Gabriella Iannuzzi, BIO395, Independent Study in Biology, Pace University
Gene therapy in dogs
- 2014 Melody Flores, BIO396, Guided Study in Biology, Pace University
A new framework for assisted migration at the community level
- 2013-2014 Celine Hamel, BIO480 and BIO395, Research in Biology and Independent Study in Biology, Pace University
Analyzing ecological divergence in pumpkinseed sunfish
- 2013-2014 Silvia Rodriguez, BIO480 and BIO481, Research in Biology, Pace University
Preparing major histocompatibility gene libraries for next-generation sequencing
- 2013 Karina Shendrik, BIO292, Biology Laboratory Research Training, Pace University
Extracting DNA from fish fin tissue
- 2013 Edward Cruz, BIO480, Research in Biology, Pace University
Using mitochondrial DNA sequences to infer the evolutionary history of the threespine stickleback in Alberta
- 2013 Whitney Jacques, BIO396, Guided Study in Biology, Pace University
The rising issues of climate change
- 2012-2013 Akino Higa, ENS 793, Research in Environmental Science II, Masters in Environmental Science, Pace University
Long-term trends in fish communities in the Hudson River estuary
- 2010 Kirsten Wiens, NSERC Undergraduate Student Research Award recipient, McGill University
Developmental plasticity in an isolated population of African cichlid fish
- 2008,2009 Lora Tzaneva, NSERC Undergraduate Student Research Award recipient, McGill University
Fine-scale effects of hypoxia on fish gills and brains

- 2008 Jennifer Sunahara, independent studies student, McGill University
Seasonal variation in gill size in a fluctuating environment
- 2007 Ruoqi Wang, independent studies student, McGill University
Effects of hypoxia on activity and aggression

TEACHING ASSISTANTSHIPS

- 2010 Animal Diversity, third-year undergraduate, McGill University
- 2009 Ecological Genetics, third-year undergraduate, McGill University
- 2007 Introduction to Ecology and Evolution, second-year undergraduate, McGill University
- 2005 Basic Genetics, second-year undergraduate, McGill University
- 2002,2003 Biometry, third-year undergraduate, McGill University

WORKSHOP PARTICIPATION

- 2015 The Informatics Revolution: Using Data to Enhance Learning in the Life Sciences, Faculty Resource Network Summer Seminar, New York University
- 2014 Instructional Resource Day, Pace University
- 2013 Evidenced-Based Biology Teaching, Faculty Resource Network Summer Seminar, New York University
- 2011 Getting Started with Research on Teaching and Learning, Centre for Teaching Support and Innovation, University of Toronto
- 2011 Assignment Design, Centre for Teaching Support and Innovation, University of Toronto
- 2008,2009 Learning to Teach: A Professional Development Workshop for Graduate Students, Centre for University Teaching and Learning, McGill University
- 2007 Graduate Teaching Workshop, Tomlinson Project in University-Level Science Education, McGill University

WORKSHOPS & COURSES TAKEN

- 6-17 April 2015 4th Epigenomics Data Analysis Workshop, Weill Cornell Medical College
- 9 Feb–6 April 2015 RH124, Linux Computing Essentials, Pace University Continuing Education
- 6-7 March 2015 Software Carpentry Workshop, The New York Academy of Sciences

ACADEMIC SERVICE

Nov 2011-March 2015 Associate Editor, Journal of Applied Ecology, British Ecological Society

GRANT PROPOSAL REVIEW

National Science Foundation RUI (2), Austrian Science Fund

MANUSCRIPT REVIEW

Molecular Ecology (13), Evolution (5), Evolutionary Applications (4), Journal of Evolutionary Biology (4), Biology Letters (3), African Journal of Environmental Science and Technology, The American Naturalist, Artificial Life, Biological Journal of the Linnean Society, BMC Ecology, Ecology of Freshwater Fish, Evolutionary Ecology, Functional Ecology, Heredity, Hydrobiologia, International Journal of Ecology, Journal of Applied Ecology, Journal of Fish Biology, Journal of Ecology, Journal of Microbiology and Biology Education, Philosophical Transactions of the Royal Society B, Proceedings of the Royal Society of London B, Terrestrial Arthropod Reviews

BOOK CHAPTER REVIEW

Behavioural Responses to a Changing World

Learner-centered Teaching Activities for Environmental and Sustainability Studies (2 chapters)

DEPARTMENTAL & INSTITUTIONAL SERVICE

2014-present Curriculum Committee Member, Bachelor of Science in Environmental Science, Pace University

Assisted in the design of a new curriculum for the Environmental Science major.

2014-present Consultant, MAT141, Introductory Statistics for the Life Sciences, Pace University

Provided advice on course content, tutorial assignments, and the choice of text book.

2013-present Course Coordinator, BIO102, General Biology II, Pace University

Designed the laboratory activities and assignments; prepare order forms for consumable supplies; create prep sheets for technicians.

2013-present Academic Advisor, Pace University

Provide curriculum advice for Biology and Environmental Science majors and remove their academic holds.

2014-2015 Statistics Consultant, Transforming Undergraduate Education in Science Grant, Pace University

Performed statistical analyses on data collected from grant.

2013-2015 Faculty Search Committee Member, Department of Biology, Pace University

Served on 5 search committees over 3 years.

- 2013-2015 Judge, Biology Poster Session, Pace University
Judged student poster presentations that highlight research activities they have participated in for course work and research credit.
- 2012-2015 Peer Teaching Evaluations, Pace University
Performed 4 teaching evaluations of faculty in the Department of Biology.
- 2013-2015 Volunteer, Pace Preview Weekend Open House, Academic Fair and Breakout Sessions
Provided assistance and advice to prospective undergraduate students and their parents at the Biology table at 4 events; delivered 2 lectures to stimulate interest in the Biology curriculum.
- 2004-2007 Committee Member, Biology Graduate Students' Association, McGill University
Co-organized events for graduate students; maintained website and e-mailing list.

OUTREACH

- 2015 Volunteer, Horseshoe crab monitoring, New York Horseshoe Crab Monitoring Network
- 2014 Volunteer, Release the Fishes outreach event, The River Project
Stimulated interest in native fauna by engaging children in event to release fishes from mesocosms back into the Hudson River estuary.
- 2013 Coffee and Cultures Lecture, Pace University's Adult Resource Center
Delivered public outreach lecture on evolutionary conservation biology.
- 2013 Guest Lecturer, Wildlife Ecology Research Summer Program, Huyck Preserve and Biological Research Station
Delivered a lecture on my research to high school students in this summer program; created a field-based fish collection activity for them to participate in; supervised Pace undergraduate students in the development of a scavenger hunt for the high school students.
- 2009-2012 Outreach Committee Member, Canadian Society for Ecology and Evolution
Assisted with the organization of public outreach events at 2 annual meetings; solicited and edited research vignettes; reviewed funding requests.
- 2005,2009 Judge, Bell Montréal Regional Science and Technology Fair
- 2005-2006 Volunteer, Let's Talk Science, McGill University
Mentored 2 high-school students on science fair projects; judged 4 science fair competitions; conceived and organized an educational symposium for high-school students.