

Carolyn Norin

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Education

PhD, Ecology and Evolution
Rutgers University, New Brunswick NJ
2004 - 2011

Dissertation: Appropriate Plant Genotypes for Urban Ecological Restoration:
An Investigation into Urban Stress Response

BS, Environmental Studies
The George Washington University, Washington DC
1995 - 1999

Experience

Director of Research Program
Biology Teacher
Princeton Day School, Princeton NJ
2012 - present

- Founded and currently teach PDS Research course and manage research program
- Co-founded (and served as advisor to) the SiMS Center (peer tutors for science & math)
- Teacher of AP Biology & Freshman Biology courses

Teaching Assistant
Rutgers Office of Undergraduate Instruction, Piscataway NJ
2004 - 2010

- Laboratory Instructor: Genetics, General Biology
- Recitation Instructor: Genetics, Principles of Ecology
- Guest lectured in various Genetics and Plant Ecology courses

Biology Teacher
Mount Saint Dominic Academy, Caldwell NJ
2002 - 2004

- Taught Freshman Biology course
- Established and advised environmental club
- Held weekly yoga classes for students and faculty

Science Teacher
US Peace Corps: Chanel College, Moamoa, Samoa
2000 - 2001

- Taught 9th and 10th grade General Science courses
- Designed interdisciplinary curriculum focused on traditional Samoan art and nature

Awards,
Service &
Leadership

- Rosenberg Science Grant (co-recipient) "Developing a Sampling Protocol to Monitor the Spread of the Parasitic Fungus *Batrachochytrium dendrobatidis* in New Jersey Amphibian Populations." Princeton Day School (\$1800)
2017
- PDS STEAM Initiative Sub-committee (member) to design 3 new courses: PDS Research Experience, 9th Grade STEAMinar, Design + Build Elective
2016
- Science Department Head Search Committee (member)
2016
- Miss Fine's Center Award to attend The d.School at Stanford University, K-12 Lab Network: Discover Design Thinking Workshop (travel and conference costs)
2016
- Bogle Award (co-recipient) for creation of a comprehensive, integrated "core curriculum" for ninth graders in the upper school. Princeton Day School (\$8000)
2015
- Minerva Grant (recipient) for designing new AP Biology course. Princeton Day School (\$5000)
2014
- NJAIS Sustainability Workshop (panel member): "Bringing the Indoor Classroom Outside." Princeton Day School
2014
- Princeton Day School Sustainability Team (member)
2013 - present
- Bogle Award (co-recipient) to integrate the PDS garden and campus into the upper school biology curriculum. Princeton Day School (\$5000)
2012
- HATCH Multistate Research Grant (recipient) "The role of phenotypic plasticity in defining appropriate genotypes for ecological restoration." New Jersey Agricultural Experimental Station (\$7500)
2008
- Duke Farms Research Grant (recipient) "Genotypic specificity in restoration practice: the role of plant plasticity." Duke Farms Foundation (\$5750)
2008
- Ecology & Evolution Graduate Student Association (EcoGSA), Rutgers University: President 2007 - 2008, Secretary 2006 - 2007, Seminar Coordinator 2005 - 2006
- HMF Summer Research Grant (recipient) "Phytochrome mediated shade avoidance in *Solidago canadensis*." Hutcheson Memorial Forest, Rutgers University (\$1500)
2005
- National Biological Honor Society ($\beta \beta \beta$), The George Washington University Chapter: President 1998 - 1999, Member 1996 - 1999

Presentations, Publications & Posters

Norin, C. Review: "Evolution. Fourth Edition by Douglas J. Futuyma and Mark Kirkpatrick," The Quarterly Review of Biology 93, no. 1 (March 2018): 34-35.

Norin, C and SN Handel. *Testing the role of Heat Shock Protein 17.6 in Arabidopsis thaliana success: An investigation into plant genotype selection for urban ecosystems.* Poster, presented at the Society for Ecological Restoration Mid-Atlantic Conference, New Brunswick, NJ. 2010

Norin, C. *It's All About the DNA, Baby: Stress Response in Plants, Cool Molecular Tricks, and Urban Ecological Restoration.* Ecology and Evolution Graduate Student Seminar, Rutgers University, NJ. 2010

Norin, C. *Restoration Genetics, Local Adaptation, and Phenotypic Plasticity: Greening the Urban Matrix.* Ecology and Evolution Graduate Student Seminar, Rutgers University, NJ. 2008

Norin, C. *Using Plant Phenotypic Plasticity to Improve Urban Restoration Ecology* Ecology and Evolution Graduate Student Seminar, Rutgers University, NJ. 2007

Norin, C and SN Handel. *Ecological Restoration Along a Rural to Urban Gradient: Local Adaptation Revisited.* Poster, presented at the Joint Meeting of the Ecological Society of America and the Society for Ecological Restoration Meeting, San Jose, CA. 2007

Relevant Interests

Botany

Hiking, skiing, and rock climbing

Photography and digital microscopy

"Adaptation: an exploration of scale"

Digital micrograph exhibit highlighting plant evolution

Anne Reid '72 Art Gallery, Princeton Day School, Princeton NJ (Feb - Mar 2018)

Strengths

Creative curriculum designer, focusing on interdisciplinary science education

Engaging classroom teacher, making science accessible and exciting

Lifelong learner, modeling an enthusiasm and passion for discovery