

# 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

- Established and currently manage the PDS Research Program
- Teach PDS Research Experience (PDS:REx), AP Biology, and Freshman Biology courses
- Co-founded (and served as advisor to) the SiMS Center (peer tutors for science & math)
- 'Pioneer in Science' Lecture Series Coordinator (2017 - present)

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 & Grants

Rosenberg Science Grant (recipient) "Development and Continuation of the Research Experience (REx) Program" Princeton Day School (endowment)  
2018

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

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

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

HMF Summer Research Grant (recipient) "Phytochrome mediated shade avoidance in *Solidago canadensis*." Hutcheson Memorial Forest, Rutgers University (\$1500)  
2005

## Service & Leadership

PDS STEAM Initiative Sub-committee (member) to design 3 new courses: PDS Research Experience (REx), 9th Grade STEAMinar, Design + Build Elective  
2016

Science Department Chair Search Committee (member)  
2016

NJAIS Sustainability Workshop (panel member): "Bringing the Indoor Classroom Outside." Princeton Day School  
2014

Princeton Day School Sustainability Team (member)  
2013 - present

Ecology & Evolution Graduate Student Association (EcoGSA), Rutgers University: President 2007 - 2008, Secretary 2006 - 2007, Seminar Coordinator, 2005 - 2006

National Biological Honor Society ( $\beta \beta \beta$ ), The George Washington University Chapter: President 1998 - 1999, Member 1996 - 1999

## Publications & Posters

Norin, C. Review: "*Extended Heredity: A New Understanding of Inheritance and Evolution* by Russell Bonduriansky and Troy Day," *The Quarterly Review of Biology* 93, no. 4 (December 2018): 378-379.

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 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

## Photography

"Adaptation: an exploration of scale."  
Digital micrography highlighting plant evolution

Exhibits:

- Anne Reid '72 Art Gallery, Princeton Day School, Princeton NJ (Feb 2018 - Mar 2018)
- NRG Energy, Inc. Headquarters, Princeton NJ (Jun 2018 - Jan 2019)

Press:

Lemonick, Michael D. "The Magic of the Microscopic World." *Scientific American Blog Network*, 26 Apr. 2018, [blogs.scientificamerican.com/observations/the-magic-of-the-microscopic-world/](https://blogs.scientificamerican.com/observations/the-magic-of-the-microscopic-world/)

## Relevant Interests

Botany  
Hiking, skiing, and rock climbing  
Photography and digital microscopy  
Ceramics, jewelry design

## 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