

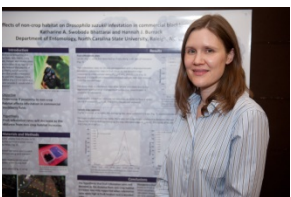
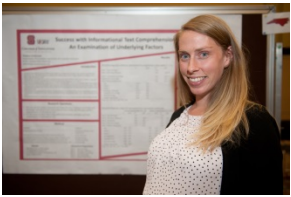
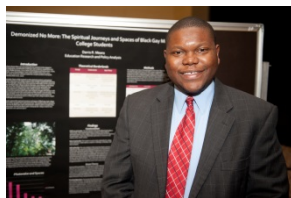

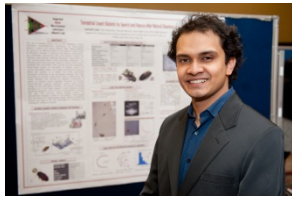


Ninth Annual Graduate Student Research Symposium

Congratulations to the winners of the Ninth Annual Graduate Student Research Symposium! Each year, the Symposium showcases the outstanding quality and diversity of graduate-level research at NC State. The Symposium was held on March 26, 2014 at the McKimmon Center. First-, second-, and third-place winners have been announced in seven categories.

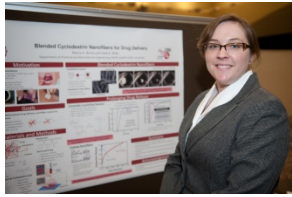
AGRICULTURAL SCIENCES & NATURAL RESOURCES	
	<p>1st Place: David Suchoff - Horticultural Science</p> <p>On-farm Grafted Tomato Trial to Manage Bacterial Wilt</p>
	<p>2nd Place: Heather Glennon - Crop Science</p> <p>Addition of Clover to Tall Fescue Pastures and Its Effects on Nitrogen Status of Animals, Forages and Soils</p>
	<p>3rd Place: Katharine A. Swoboda Bhattarai - Entomology</p> <p>Effects of non-crop habitat on <i>Drosophila suzukii</i> infestation in commercial blackberry fields</p>
EDUCATION	
	<p>1st Place: Meghan Liebfreund - Curriculum and Instruction</p> <p>Success with Informational Text Comprehension: An Examination of Underlying Factors</p>
	<p>2nd Place: Darris Means - Leadership, Policy & Adult & Higher Education</p> <p>Demonized No More: The Spiritual Journeys and Spaces of Black Gay Male College Students</p>
	<p>3rd Place: Lindsay Patterson - Science Education</p> <p>The Impact of Teacher Beliefs on Elementary Teachers' Use of Scaffolding in a Technology-rich, Inquiry-focused Classroom</p>

ENGINEERING



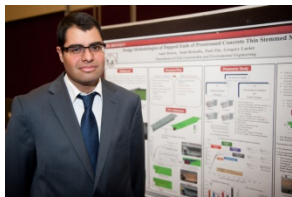
1st Place: Tahmid Latif - Electrical Engineering

Terrestrial Insect Biobots for Search and Rescue after Natural Disasters



2nd Place: Nancy Burns - Chemical and Biomolecular Engineering

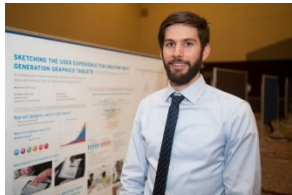
[Blended Cyclodextrin Nanofibers for Drug Delivery](#)



3rd Place: Amir Botros - Civil, Construction and Environmental Engineering

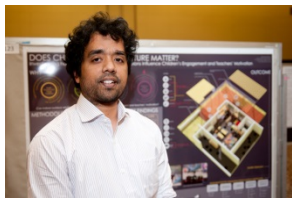
[Design Methodologies for Dapped Ends of Prestressed Concrete Thin Stemmed Members](#)

HUMANITIES AND DESIGN



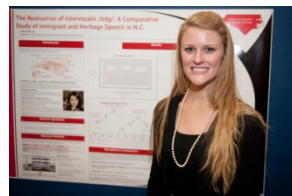
1st Place: Wesley Hare - Industrial Design

[Sketching the User Experience for Creating Next Generation Graphic Tablets](#)



2nd Place: Muntazar Monsur - Design

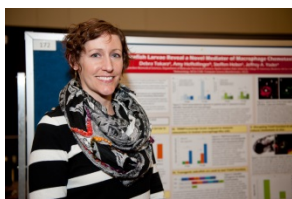
[Does Childcare Architecture Matter? Investigating how Indoor-Outdoor Spatial Relations Influence Children's Engagement and Teachers' Motivation](#)



3rd Place: Caroline Sferruzzo - Foreign Languages and Literatures

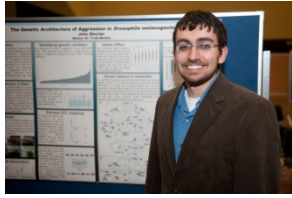
[The Realization of Intervocalic /bdg/: A Comparative Study of Immigrant and Heritage Speech in North Carolina](#)

LIFE SCIENCES



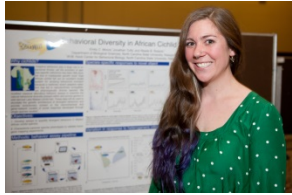
1st Place: Debra Tokarz - Comparative Biomedical Sciences

[Zebrafish Larvae Reveal a Novel Mediator of Macrophage Chemotaxis](#)



2nd Place: John Shorter - Genetics

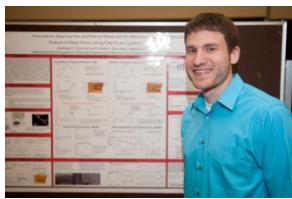
[The Genetic Architecture of Aggression in *Drosophila melanogaster*](#)



3rd Place: Emily Moore - Genetics

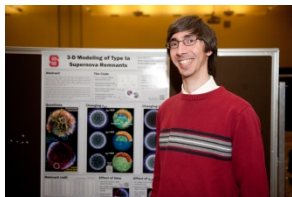
[Behavioral Diversity in African Cichlid Fish](#)

MATHEMATICAL AND PHYSICAL SCIENCES



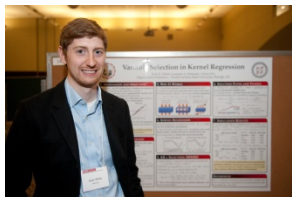
1st Place: Andreas Schmidt - Chemistry

[Innovative Approaches and Novel Materials for Resolving Neurochemical Events in Real-Time Using Fast-Scan Cyclic Voltammetry](#)



2nd Place: Donald Warren - Physics

[3-D Modeling of Type Ia Supernova Remnants](#)



3rd Place: Kyle White - Statistics

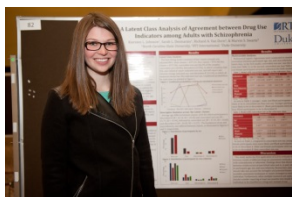
[Variable Selection in Kernel Regression](#)

SOCIAL SCIENCES AND MANAGEMENT



1st Place: Alena Esposito - Lifespan Developmental Psychology

[Where is the Bilingual Advantage in Preschoolers' Stroop Task Performance?](#)



2nd Place: Kiersten Johnson - Psychology in the Public Interest

[A Latent Class Analysis of Agreement between Drug Use Indicators among Adults with Schizophrenia](#)



3rd Place: Kristen Chew - Sociology and Anthropology

[An Attempt to Segregate the Commingled Remains of the Individuals Interred at a Late Woodland, North Carolina Ossuary: The Piggot Site \(31CR14\)](#)