

**2007 VAS Meeting Best Student Papers****Agriculture, Forestry, and Aquaculture***Best Student Paper:*

Central Neuropeptide Y Increases Feed Intake in High Body Weight Select But Not Low Body Weight Select Lines of Chickens While Affecting Other Behaviors  
C. N. Bowden, Department of Biology, Radford University

*Honorable Mention:*

Effects of Prostaglandin Treatment on Gene Expression During Early Bovine Embryonic Development  
Titi Denloye, Department of Biology, Virginia State University

**Biology with Microbiology***Best Graduate Student Paper:*

Seasonal Variation in Diet of the Hispid Cotton Rat, Based on Fecal Analysis  
Lynn A. Walker, Department of Biological Sciences, Old Dominion University

*Best Undergraduate Student Paper:*

Neuropeptide S Affects Feed Intake and Other Behaviors in *Gallus gallus*  
D. Godlove, Department of Psychology, Radford University

*Honorable Mention – Graduate Student:*

The Impacts of Urbanizing Landscapes on Avian Diversity in the Mid-Atlantic Coastal Plain: The Role of Avian Dietary Guild  
E.A. Larsen, Department of Biology, College of William & Mary

*Honorable Mention – Undergraduate Student:*

The Effects of Thiazolidenediones on the Myocardial Cells of KK- $A^y$  Mice  
John Ha, Department of Biological Sciences, University of Mary Washington

*Honorable Mention – Undergraduate Student:*

Effects of a Novel *cis*-terpenone on Cytokine Production by RAW 264.7 Macrophages  
Sumona Kabir, Department of Biology, Virginia Commonwealth University

**Biomedical and General Engineering***Best Student Paper:*

EMG Co-Constrictions in an Animal Model of Kernicterus

Kunal Chaniary, Department of Biomedical Engineering, Virginia Commonwealth University

*Honorable Mention:*

Development of Cell-Based Substrates for Propagation of Human Embryonic Stem Cells

Sheena Abraham, Department of Chemical and Life Science Engineering, Virginia Commonwealth University

*Honorable Mention:*

Validation of a Computational Musculoskeletal Model of the Elbow

Justin P. Fisk, Department of Biomedical Engineering, Virginia Commonwealth University

**Botany***Best Student Paper:*

Wind Disturbance and a Virginia Forest: Damage Assessment and Pre-disturbance Species Reconstruction

K. A. Carlson-Drexler, Department of Biology, College of William and Mary

*Best Student Poster:*

Evolution of the Canary Grasses: A Study in Polyploidy

Rohit Kumar, Department of Biological Sciences, Virginia Tech

*Honorable Mention:*

An Herbarium Study of the Morphological Characters and Systematics of Endemic Members of *Cordia* L. (Boraginaceae) in the Galápagos Islands

Michael S. Woolf, Department of Biology, James Madison University

*Honorable Mention:*

Ecological Communities of the Keister Tract, Shenandoah County, Virginia

Heather Kepple, Environmental Studies Program, Shenandoah University

**Chemistry***Best Student Paper:*

Exploration of Ionic Liquids as a Solvent and Structure-Directing Agent in the Synthesis of Aluminophosphate Frameworks

Jeremy Harris, Department of Chemistry, James Madison University

*Honorable Mention:*

Migration from LabWorks to MicroLab for Data Acquisition in General Chemistry II Labs

T. D. Hagedorn, Chemistry Department, Tidewater Community College-Virginia Beach

*Honorable Mention:*

Donor Atom Preferences in Substitution Reactions of cis-platinum Mononucleobase Compounds and Implications for DNA-protein Selectivity

Joseph Strukl, Department of Chemistry, Virginia Commonwealth University

**Environmental Sciences***Best Student Paper:*

Use of a Maternally Inherited Marker to Examine the Genetic Structure of Southeastern Fox Squirrel (*Sciurus niger vulpinus*) Populations.

Katherine L. Bryant, George Mason University

*Honorable Mention:*

Monitoring the Progress of Storm Water Management Ponds and an Off-site Wetland Mitigation Project

Timothy P. O'Brien, Department of Environmental Science & Geology, University of Mary Washington

*Best Poster:*

Impact of a Commercial Development Project on the Ecology of Two Small Stream Tributaries of the Rappahannock River

Laura E. Maxfield, Department of Environmental Sciences & Geology, University of Mary Washington

**Medical Sciences***Best Student Paper:*

Conformationally-constrained h5-HT6 Receptor Ligands

Uma Siripurapu, Department of Medicinal Chemistry, Virginia Commonwealth University

*Honorable Mention:*

Locomotor Effect of MD-354/Stimulant Combinations in Mice

J. Worsham, Department of Medicinal Chemistry, Virginia Commonwealth University

*Honorable Mention:*

N1-Benzyltryptamines as h5-HT6 Receptor Ligands

Abner Nyandege, Department of Medicinal Chemistry, Virginia Commonwealth University

**Natural History and Biodiversity***Best Student Paper:*

Results of a Re-survey of Rafinesque's Big-eared Bat (*Corynorhinus rafinesquii*)

Roosts, Including the First Documented Hibernacula in Southeastern Virginia

Ela S. Carpenter, Department of Biology, Chemistry, and Environmental Science, Christopher Newport University

*Honorable Mention:*

Long Term and Short Term Relationships Between Phytoplankton Diversity, Productivity, Stability, and Nutrient Availability

T. A. Egerton, Department of Biological Sciences, Old Dominion University

*Honorable Mention:*

A Phylogenetic Review of the Mitochondrial Cytochrome Oxidase Subunit 1 Region Across Anuran Families

J.W. Streicher, Department of Molecular Biology and Microbiology, George Mason University

**Psychology***Best Graduate Student Paper:*

A Comparison Between C57BL/6 and DBA/2 Mice in a Two-Lever Clozapine Drug Discrimination Task

D. Matthew Walentiny, Department of Psychology Virginia Commonwealth University

*Best Undergraduate Student Paper:*

Rat Performance in the Elevated-Plus Maze After Injection of Water from *Pfiesteria* Culture Tanks

Scott Vernon, Department of Psychology, Old Dominion University

*Honorable Mention:*

Third Party Sexual Harrassment: A Special Case of Harassment Perpetration

Valerie Morganson, Department of Psychology, Old Dominion University

*Honorable Mention:*

Examining Cloze Probability and Establishing Completion Norms for 500 Sentences

Cady Block, Department of Psychology, Old Dominion University

**Statistics***Best Student Paper:*

Error Modeling in Geographic Information Systems

Kimberly Love, Department of Statistics, Virginia Tech