

BEST STUDENT PAPER AWARDS**AGRICULTURE, FORESTRY, AND AQUACULTURE**

Brandon Newmyer

The Anorectic Effect of Neuropeptide AF is Associated With Satiety-Related Hypothalamic Nuclei.

Radford University

Honorable Mention

Michele Mohrmann

Nodulation Traits of Tepary Bean Inoculated with 15 Bradyrhizobial Strains

Virginia State University

ASTRONOMY, MATHEMATICS AND PHYSICS WITH MATERIALS SCIENCE

Craig Hanley

Infrared emission properties of Nd: KPb5Br5 for solid-state lasers

Dept of Physics

Hampton University

Honorable Mention

Olusola Oyebobla

Concentration dependent studies of the laser-induced infrared emission from KCl-NaCl tablets

Dept of Physics

Hampton University

Honorable Mention

Robert Brik

Quantitative Analysis of Background Radiation Particle Tracks in a Large Diffusion Cloud Chamber Using "ImageJ" Digital Imaging Techniques.

MIT and Science Museum of Virginia

BIOLOGY WITH MICROBIOLOGY

GRADUATE

Meghan Durham-Colleran

Initial Report of in vitro Biofilm Formation in Francisella: A Role for an Orphan Response Regulator

George Mason University

UNDERGRADUATE

V. Q. Chau

Delayed Treatment with Sildenafil Attenuates Ischemic Cardiomyopathy: Role of RhoA/Rho Kinase Pathway
Virginia Commonwealth University

BIOLOGY WITH MICROBIOLOGY

Graduate Honorable Mention

Nathan A. Bowman hm

Seasonal Patterns of Phytoplankton Populations in Back Bay, Virginia
Department of Biological Sciences, Old Dominion University

Undergraduate Honorable Mention

Madelyn G. Crowell

Natural Genetic Variation in Metabolic Rate and Activity in White-footed Mice (*Peromyscus leucopus*) in Relation to Genetic Variation in Reproductive Photoresponsiveness
Virginia State University

BIOMEDICAL AND GENERAL ENGINEERING

E. Heade Spratley

Computational Modeling of Varus Elbow Instability in Terrible Triad Injuries
Department of Biomedical Engineering
VCU

BOTANY

Jessica Weaver (co-author: K. G. Jones)

Isolation and Characterization of Leaf Endophytes in *Betula uber* and *Betula lenta*.
University of Virginia's College at Wise

BOTANY

Harvill Award (\$150.00)

Paige E. Miller (student of John Hayden)
University Of Richmond

CHEMISTRY

S.W. Chocklett

Hydroxamate Formation in Siderophore Biosynthesis
Virginia Tech

Honorable Mention

Tim Fuhrer

Relative Stabilities Of C94 And C942- Ions Using Quantum And Statistical
Mechanical Functions

Virginia Tech

Honorable Mention

A. E. Rue

Modification of Macroporous Silica Thin Films Via Metal Nanoparticle Deposition
Virginia Commonwealth University

MEDICAL SCIENCES

Nisha Nagarkatti

The Prevention of Epileptogenesis through Calcium Modulation in a Hippocampal
Neuronal Culture Model of Status Epilepticus-induced Acquired Epilepsy

Virginia Commonwealth University

Merlin Gnanapragasam

Honorable Mention

The Role of Methyl-CpG Binding Domain Protein2 (MBD2) in the Human Fetal
Gamma Globin Gene Regulation

VCU

Carrie Gurnee

Honorable Mention

Platelet Gel: A Novel Treatment for Myocardial Infarction (Heart Attack).

Old Dominion University

Omar Y. Mian

Honorable Mention

The Methyl-Binding Domain Protein 2 (MBD2) maintains epithelial
dedifferentiation in breast cancer

VCU, Goodwin Research Lab.

NATURAL HISTORY AND BIODIVERSITY

Todd Egerton

Phytoplankton diversity trends in the Rappahannock, York, and James Rivers

Department of Biological Sciences

Old Dominion University

PSYCHOLOGY

Diane Kokorelis

Alcohol and injury: Defining the alcohol problem on college campuses

Department of Psychology, Old Dominion University

STATISTICS

S. H. Sathish Indika

Latent Model Parameter Estimation and Characterization in a Bivariate Lifetime
Distribution

Old Dominion University