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

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

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

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

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

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