Derieux Awards  
North Carolina Academy of Sciences 2011 Annual Meeting at Elon University

I. Poster Sessions
2) Meghan R. Clark* and Antonio D. Izzo – Elon University. Fungal Population Response to Increased Temperatures in Soil
2) Anna Queen* - UNC Pembroke. Mapping the Motor Connections of the Subthalamic Nucleus in Parkinson Disease Using Deep Brain Stimulation Surgery
2) Ryan D. Wagner*, Aaron J. Corcoran, William E. Conner – Wake Forest University. Acoustic cue discrimination by the sonar-jamming tiger moth Bertholdia trigona
3) Kara E. Salpeter* - Elon University. Evidence for biotic resistance to invasion across spatial scales in riparian forest vegetation
3) Gregory Swan* and Sophia Sarafova – Davidson College. Identification of a novel positive cis-control element in the Cd4 gene

II. Oral Sessions

Ecology I & Environmental Science
2) Linden Blaisus-Warren Wilson Elevated CO2 and Growth of Rosa multiflora
2) Bryan Strelow-Elon University. Exploring Species Boundaries: Morphological Evidence for Interactions between North American Cricket Frogs, Acris crepitans and A gryllus

Molecular Biology I & Biochemistry; Physics, Chem, Math; Chem&Biochem
2) Taija Ventrella-Warren Wilson. Antioxidants in Blueberry, Pomegranate, & Acai Juices
2) Mahmoud Saleh-Guilford College. Identification of a possible target receptor for the Estrogenic Endocrine Disrupting Chemical (EEDC) Bisphenol A in Caenorhabditis elegans
Botany I and II
1) Elizabeth Stapleton-Guilford College. Exotic Invasive Plants: Edge Influence and Distribution In a Suburban Forest Fragment
2) Andrew Blank-UNC Greensboro. How are Reproductive Traits in Plants Modified by Temperature? An Examination of Plantago lanceolata.
3) Amanda Withers-Lenoir Rhyne. The Effect of Compost Age on Germination and Growth Rate of Clemson Spineless Okra (Abelmoschus esculentus)
3) Elisabeth Campbell-Lenoir-Rhyne. The Effect of Japanese Honeysuckle (Lonicera japonica) Extracts on Percent Germination and Radical Lengths of Lettuce Seeds (Latuca sativa)

Zoology I, II and III
2) Lucas Carnohan, Lenoir Rhyne. Effects of Temperature and Substrate Color on the Growth and Color Morphology of the Chinese Praying Mantis (Tenodera aridifolia sinensis S.)
3) Octavia Sola, Warren Wilson College. Human Activity and Shorebird Behavior and Diversity on Onslow Beach, Camp Lejeune

Microbiology and Molecular Biology II
1) Jessica Klaphaak, Guilford College. Listeria monocytogenes Kills Tumor Cells.
3) Kimberly Heck, Guilford College
   Multilocus sequence typing and analysis to compare natural isolates of Ensifer adhaerens to a known type strain.
3) Kayla Britton, Peace College
   A Proposed Role for Carbonic Anhydrase in Fatty Acid Biosynthesis by Bacillus mycoides

Health Sciences and Developmental Biology
1) Sara Lachance-Guilford College. Identifying Dachshund's Role in Hedgehog Signaling and Urchin Development
2) Elisabeth Killion Guilford College. Understanding Adiponectin Expression: Sequencing the ADIPOQ Gene in European Americans.
3) Laura White-UNC Greensboro. Evaluation of Four Models of Mosquito Traps for the Surveillance of La Crosse Encephalitis Vectors in Western North Carolina
3) Brian Sullivan-Lenoir-Rhyne. Effects of Caffeine on Zebrafish (Danio rerio) Development: Growth Rate, Heart Rate, and Motor Function