

J. Shelton Horsley Research Award

The J. Shelton Horsley Research Award was given to David W. Mullins, Carol J. Burger, and Klaus D. Elgert for their paper entitled "Paclitaxel enhances macrophage Interleukin-12 production in tumor-bearing hosts through nitric oxide". All three authors were in the Microbiology and Immunology Section of the Department of Biology at Virginia Polytechnic Institute and State University when the work was done. David Mullins has subsequently moved to the Beirne B. Carter Center for Immunology Research at the University of Virginia.

Horsley Cancer Research Fund Grants

In December, 1998, the Research Committee of the Virginia Academy of Science recommended the funding of the following three proposals by the Horsley Cancer Research Fund provided by the trust of Mary Louise Old Andrews.

Robin Lee Davies, Department of Biology, Sweet Briar College, was awarded \$ 4000.00 to fund her proposal titled "Investigations of cytotoxicity and potential anti-cancer activity of novel diimene complexes of platinum(IV) and palladium(IV)".

Allison Belsches Jablonski, Department of Biology and Environmental Science, Lynchburg College, was awarded \$ 4133.00 to fund her proposal titled "Studies of promoter regulation of HER2: Involvement with estrogen receptor signaling"

Roy L. Williams, Department of Chemistry/Biochemistry, Old Dominion University, was awarded \$ 1867.00 to fund his proposal titled "Naturally occurring phytoestrogens as tools to study apoptosis in human cancer cells"

Small Project Research Funds

In May, 1999, the Research Committee of the Virginia Academy of Science recommended the funding of the following proposals by the Virginia Academy of Science.

Dr. Daniel Cristol, Department of Biology, College of William and Mary, was awarded \$ 1180.00 for his proposal titled "Optimality of a complex foraging behavior in herring gulls".

Dr. Perry M. Duncan, Department of Psychology, Old Dominion University, was awarded \$ 1230.00 for his proposal titled "Stimulus properties of ethanol in hypoglycemic rats".

Ryan S. Martins and Dr. Klaus D. Elgert, Microbiology and Immunology Section, Department of Biology, Virginia Polytechnic Institute and State University, were awarded \$ 1133.00 for their proposal titled "Dysfunctional macrophage tumoricidal activity: Impaired interferon consensus sequence binding protein activity".

Dr. Eugene G. Maurakis, Museum Scientist, Science Museum of Virginia, was awarded \$ 958.00 for his proposal titled "Comparison of spawning and non-spawning

substrates in nests of species of *Exoglossum*, *Nocomis*, and *Semotilus* (Actinopterygii: Cyprinidae)".

Konrad Mebert and Dr. Alan H. Savitzky, Dept. of Biological Sciences, Old Dominion University, were awarded \$ 1000.00 for their proposal titled "Hybridization between *Nerodia sipedon* and *N. fasciata*: A molecular, ecological, and morphological approach".

Michael O. Santos and Dr. Brenda Winkel-Shirley, Biology Department, Virginia Polytechnic Institute and State University, were awarded \$ 925.00 for their proposal titled "In Planta modulation of flavonoid biosynthesis".

David E. Saslowsky and Dr. Brenda Winkel-Shirley, Biology Department, Virginia Polytechnic Institute and State University, were awarded \$ 1152.00 for their proposal titled "Co-immunolocalization of two flavonoid enzymes in *Arabidopsis*".

Alicia Schultheis and Dr. Albert C. Hendricks, Department of Biology, Virginia Polytechnic Institute and State University, were awarded \$ 1250.00 for their proposal titled "Use of molecular and ecological data to estimate adult dispersal of the stonefly, *Peltoperla arcuata* (Plecoptera: Peltoperlidae)".

Phil Sheridan and Dr. Kneeland Nesius, Dept. of Biological Sciences, Old Dominion University, were awarded \$ 600.00 for their proposal titled "Propagation of native Virginia longleaf pine (*Pinus palustris* Miller) from needle fascicles".

T. A. B. Slotta and Dr. D. M. Porter, Biology Department, Virginia Polytechnic Institute and State University, were awarded \$ 1120.00 for their proposal titled "Phylogenetic analysis of the genus *Iliamna* (Malvaceae) using ITS". James H. Wynne and Dr. Wayne M. Stalick, Department of Chemistry, George Mason University, were awarded \$ 1250.00 for their proposal titled "Synthetic approaches to gamma-carbolines via substituted indoles".