STUDENT PRESENTATION AWARDS AT THE 2010 COLLEGIATE MEETINGS

EASTERN REGION
WALTERS STATE COMMUNITY COLLEGE
MORRISTOWN, TENNESSEE
24 APRIL 2010

ORAL PRESENTATIONS

Computer Science
First Place—Eugenie de Silva. COMSOL vs. Microsoft Excel. Missouri University, Columbia, Missouri

Environmental Science
First Place—Beth Mattie. The Effects of Fecal Contamination on a Stream that Drains into the Clinch River Basin. Lincoln Memorial University, Harrogate, Tennessee

Health Science
First Place—Shelby Kirkpatrick. Antibiotic Resitance Analysis as a Method for Tracking Fecal Contamination in Norris Reservoir, Tennessee. Lincoln Memorial University, Harrogate, Tennessee

Medical Science
First Place—Justin Patel. An Investigation into Osteopathic Manipulation Treatment for Carpal Tunnel Syndrome. Lincoln Memorial University, Harrogate, Tennessee

Physics and Astronomy
First Place—Samantha Christian. The Bat Speed Required for a Homerun. Lincoln Memorial University, Harrogate, Tennessee

POSTER PRESENTATIONS

Analytical Chemistry
First Place—Rebecca Smith. Determining the Index of Refraction of a Liquid with an Abbe Refractometer. Walters State Community College, Morristown, Tennessee
Second Place—Brittany Wiley. Using Solid Phase Extraction to Remove Caffeine from Mountain Dew. Walters State Community College, Morristown, Tennessee

Engineering
First Place—Paul Blair. Demonstration of Large Scale Fractional Distillation. Walters State Community College, Morristown, Tennessee

Second Place—Christopher Gonzales. Demonstration of Continuous Process for Liquid-Liquid Extraction. Walters State Community College, Morristown, Tennessee

Laboratory Techniques
First Place—Jenni Flanigan. Radial Chromatography. Walters State Community College, Morristown, Tennessee
Second Place—Brianna Ellis. Demonstration of the Abbe Refractometer. Walters State Community College, Morristown, Tennessee

Organic Synthesis
First Place—Nikita Hnat. Bananas for Isoamyl Acetate. Walters State Community College, Morristown, Tennessee
Second Place—Benjamin H. Morgan. Catalytic Hydrogenation of Maleic Anhydride with a Parr Shaker. Walters State Community College, Morristown, Tennessee
Third Place—Adam Mullins. Demonstration of Le Chatelier’s Principle using a Soxhlet Extractor. Walters State Community College, Morristown, Tennessee

MIDDLE REGION
BELMONT UNIVERSITY
NASHVILLE, TENNESSEE
17 APRIL 2010

ORAL PRESENTATIONS

Biology I
Second Place—Felicia Udofu* and Margaret Whalen. Analysis of the Effects of Dichloro-Diphenyl-Trichloroethane (DDT) on Natural Killer Cells. Tennessee State University, Nashville, Tennessee
Third Place—Jessica L. Miles*, Robin C. Bairley, Margaret H. Platts, and Katherine L. Friedman. Analysis of Telomerase Processivity in Yeast EST2 Long-Telomere Mutants. Vanderbilt University, Nashville, Tennessee
Biology II
First Place—Zackary L. Powers* and Karen Meisch. The Analysis of Phenotypic Malformities in Danio rerio When Exposed to Di-2-Ethylhexyl Phthalate (DEHP) During Early Stages of Development. Austin Peay State University, Clarksville, Tennessee
Second Place—Abby Murphy* and Lori L. McGrew. Chronic Nicotine Exposure from the Embryo to Juvenile Stage in Danio rerio and Its Impact on Working Memory. Belmont University, Nashville, Tennessee
Third Place—Kendra Cowan* and John Niedzwiecki. Effect of Acute Ethanol Exposure on the Working Memory and Learning of Adult Zebrafish. Belmont University, Nashville, Tennessee

Chemistry
First Place—Eunice Ng* and Mohammad Al-Masum. PD-Catalyzed Microwave Irradiated Cross-Coupling Reactions for Chalcone Synthesis. Tennessee State University, Nashville, Tennessee

Ecology
First Place—Sara Bentley* and John Niedzwiecki. The Specificity of the Anti-Predation Response of Ambystoma barbouri. Belmont University, Nashville, Tennessee
Second Place—Ryan S. Alexander* and C. Steven Murphee. Establishing Criteria to Characterize the Habitat of Triatoma sanguisuga in Sylvic Areas of Middle Tennessee. Belmont University, Nashville, Tennessee
Third Place—Robert Baer* and Peter Li. Potential Sites for Wind Power. Tennessee Technological University, Cookeville, Tennessee

Physics, Math, and Computer Science
First Place—Zachary D. Hodge*, Jesse Hotchkin*, and John P. Salter*. Domain Decomposition Methods for Solving Elliptic Equations. Austin Peay State University, Clarksville, Tennessee
Second Place—Sarah-Ann M. Claiborne* and Stephen J. Robinson. Surface Plasmon Resonance. Belmont University, Nashville, Tennessee
Third Place—Robert D. French*, Casey L. McKnight*, and Amber O’Connell*. On Some Geometrical Aspects of the Finite Element Method. Austin Peay State University, Clarksville, Tennessee

Molecular and Cellular Biology
First Place—Terence Netzel. Polycystic Kidney Disease-1 Protein Expression in Murine Chochlea using EGFP Reporter. Christian Brothers University, Memphis, Tennessee
Second Place—Caitlin Ashley. Comparing the Amplification of White Spot Syndrome Virus Genes with Different Primers. Christian Brothers University, Memphis, Tennessee
POSTER PRESENTATIONS


Second Place—Elizabeth Calabretta. Assembly of Copper and Palladium Supramolecules Using Two Different Bifunctional Ligands. Christian Brothers University, Memphis, Tennessee

Third Place—Jeremey Branch. Iron Glycine Hydroxo Complexes in Aqueous Solutions. LeMoyne-Owen College, Memphis, Tennessee

*Student presenter