

**Poster Presentations
Selected for Recognition
by the Eastern Colleges Science Conference**

ANATOMY, DEVELOPMENTAL BIOLOGY, PHYSIOLOGY

SURFACE PARALLEL ANALYSIS OF THE DEVELOPMENT AND NUCLEATION OF
TESSERAE IN *SQUALUS ACANTHIAS*

Berta, A*., DeStefano, K., Grogan, E.D., and Lund, R.
Biology Department
Saint Joseph's University, Philadelphia, PA 19131

THE EFFECTS OF THE FATTY ACID SYNTHASE INHIBITOR C75 ON TYPE II
DIABETES IN DIET-INDUCED OBESE MICE

Cavallo, A.*., Freund, B., and Etheridge, K.
Department of Biology
Gettysburg College, Gettysburg PA 17325

THE HORMETIC EFFECTS OF ETHANOL: ENHANCED CELL PROLIFERATION,
MIGRATION AND DIFFERENTIATION AS SEEN IN SURVIVING
ORGANOTYPIC, ADULT ZEBRAFISH BRAIN CULTURES II. AN
ULTRASTRUCTURAL ANALYSIS

DiMaggio V.* Maltese, R., Corbo C., Raths L. and Fulop Z.
Department of Biological Sciences
Wagner College, Staten Island, NY, 10301

CHEMISTRY AND BIOCHEMISTRY

A BETA-PEPTIDE TETRAMER BASED ON CONFORMATIONALLY CONSTRAINED 5-
SYN-CARBOXY-2-AZABICYCLO[2.1.1]HEXANE.

Centafont, R. A.*., Liu, N., Thomas, A. M., DeBrosse, C., Sonnet, P. E., Carroll, P. J., and Krow, G. R.
Department of Chemistry
Temple University, Philadelphia, PA

SYNTHESIS OF SUBSTITUTED TRIS(DIBENZYLIDENEACETONE)DIPALLADIUM(0)
COMPLEXES AND THEIR USE IN SUZUKI COUPLING POLYMERIZATIONS

Eddy, J.W. *, and Goodson, F.E.
Department of Chemistry
West Chester University of Pennsylvania, West Chester, PA 19382

**ECOLOGY, ENVIRONMENTAL SCIENCES, POPULATION BIOLOGY AND
BEHAVIOR**

The Use of Submerged Aquatic Vegetation (SAV) as a bio-indicator for Letort Spring Run,
Cumberland County, PA

Klasic, M.*., and Wilderman, C.
Environmental Studies
Dickinson College, Carlisle, PA, 17013

SEX RATIO ASSOCIATION WITH DIOXIN LEVELS IN THE NIAGARA RIVER REGION

Martin, S.* and Edwards, W.

Biology Department

Niagara University, Niagara University, NY 14109

MATHEMATICS, COMPUTER SCIENCE, ENGINEERING, GEOLOGY, AND PHYSICS

POWER ENHANCEMENT OF PORTABLE SOLAR ARRAYS USING AN OPTIMUM CONFIGURATION

Iotova, A.* Dougal, R., and Gao, L.

Department of Electrical Engineering

University of South Carolina, Columbia, South Carolina, 29208

GRAPH-BASED CAPTCHA: AN APPLICATION FOR CYBER SECURITY

Rusu, A., Rusu, A., Wanies, J.*, and Clement, C.

Department of Computer Science

Rowan University, Glassboro, NJ 08028

MICROBIOLOGY, CELL BIOLOGY, AND GENETICS

SHORT NUCLEOTIDE SEQUENCE MOTIFS DEFINE HOTSPOTS OF MEIOTIC RECOMBINATION IN THE FISSION YEAST *SCHIZOSACCHAROMYCES POMBE*

Girvin, A.* and Steiner, W.

Biology Department

Niagara University, Niagara University, NY 14109

CHARACTERIZATION OF THE ANTI-APOPTOTIC GENE, BAX INHIBITOR-1 (*BXI1*), IN THE YEAST, *SACCHAROMYCES*

Malouin, J.K.* and Austriaco, N.P.G.

Department of Biology

Providence College, Providence, Rhode Island 02918

Computational Model of Actin-dependent Organelle Transport in Fish Retinal Pigment Epithelial (RPE) Cells

Tacelosky, D.*¹, Heil, P.², Forman, S.², Cooper, S.², and King Smith, C.¹

¹Department of Biology, ²Department of Mathematics and Computer Science

Saint Joseph's University, Philadelphia, PA 19131

THE CHARACTERIZATION OF PREDATION-DEFICIENT MUTANTS OF *BDELLOVIBRIO BACTERIOVORUS* 109J

Villacorta, G.* , Timby, C.* , and Tudor, J.

Department of Biology

St. Joseph's University, Philadelphia, PA 19131

MEIOTIC DEFECTS OF *PAM-1* MUTANTS DURING SPERMATOGENESIS IN *CAENORHABDITIS ELEGANS*

Washam, L.* , and Lyczak, R.

Biology Department

Ursinus College, Collegeville, PA 19426

ERK AND JNK REGULATION UPON CONTACT INHIBITION.

Wayne, J.* , Rizvi, A., Sielski, J., and Hutter, D.

Biology Department

Monmouth University, West Long Branch, NJ 07764.

PSYCHOLOGY AND SOCIOLOGY

COLLEGE STUDENTS IN TRANSITION: CONTRIBUTIONS TO IDENTITY

Casey, M.* , Hunt, A.* , and White, A.S.

Psychology Department

Ithaca College, Ithaca, NY 14850

THE INTERACTIVE EFFECTS OF EMOTIONS AND EASE OF RECALL ON
PREDICTIONS OF BEHAVIORS OF SELF AND OTHERS

DellaRocco, J.* , Benfante, L., Hopkins, J., and Vaughn, L.

Psychology Department

Ithaca College, Ithaca, NY 14850

CHANGE BLINDNESS IN DYNAMIC SCENES

Hyder, E.* , and Jewell, J.

Department of Psychology

Saint Joseph's University, Philadelphia, PA 19131

CONVENTIONAL METAPHORS: NOT DEAD YET

Thibodeau, P. H.* , and Durgin, F. H.

Psychology

Swarthmore College, Swarthmore PA 19081