

Eastern Colleges Science Conference Awards 2015

Award of Excellence for a Full-Length Manuscript

- The Chemistry and Biology of Nanomaterial Transport using *Sphagnum magellanicum* as an Indicator.
Richard Brase, Marist College
Category: Botany
- Development of Epidermal and Hypodermal Cells in Shoot Apical Meristems of Cactus Species from South America.
Erisa Behrami, Manhattan College
Category: Botany
- Dynamics of Eccentric Stem Development of *Artemisia tridentata* var. *wyomingensis*.
Hayley Graney, Manhattan College
Category: Botany
- Synergistic Activation of the Ampa and Kainate Receptors Increases Vulnerability of Aging White Matter to Ischemia.
Shelby Griffith, John Carroll University
Category: Physiology
- Development of a Non-Toxic and Inexpensive Gel Electrophoresis Methodology Utilizing Flour Samples.
Dina Hanna, John Carroll University
Category: Organic Chemistry
- The Effect of Five Plant Extracts on *Serratia marcescens* for Medicinal Significance.
Meghan Marie Morrissey, Wagner College
Category: Microbiology

- Xylem Conductivity in Stems of 22 Species of Columnar Cacti of South America.
Kristen Skonieczny, Manhattan College
Category: Botany
- Detection of Circulating Microparticles by Apogee Micro Flow Cytometry.
Nicholas Wanner, John Carroll University
Category: Biochemistry
- Modeling, Simulation and Experimental Validation of a Servo Pneumatic Control System.
Chad P. Woodrow, Western New England University
Category: Engineering/Mathematical Modeling

Award for Outstanding Platform Presentation

- Crazy Shows: Television's Portrayals and Stereotypes of Mental Illness.
H. Fleckenstein, Ithaca College
Category: Psychology
- *In Vitro* Selection of a Hypoxanthine Probe.
R. J. Bravo, United States Naval Academy
Category: Biochemistry
- Xylem Conductivity in Stems of 22 Species of Columnar Cacti of South America.
K. Skonieczny, Manhattan College
Category: Botany

- Dynamics of Eccentric Stem Development of *Artemisia Tridentata* var. *Wyomingensis*.
H. Graney, Manhattan College
Category: Botany
- Characterization of Yeast Bax Inhibitor, BXI1, Function in Cell Death, the Unfolded Protein Response, and Calcium Signaling in *Saccharomyces Cerevisiae*.
S.R. Rogers, W. Cavedon, J. O'Brien, A. Gonzalez, M. Brown, L. Ritzer, M. McCarthy, and N. Austriaco, Providence College
Category: Cell Biology
- Survey of *Cryptosporidium Parvum* In *Crassostrea Virginica*.
M. A. Presta, J. A. Reid, S. Kowalyk, F. Tei, and G. Mayer,
Manhattan College
Category: Microbiology
- Effect of Invasive Zebra Mussels (*Dreissena Spp.*) On Vertical Mixing of Nutrients and Phytoplankton in Lake Erie.
K. N. Alexander, W. J. Edwards
Category: Environmental Science

Award for Outstanding Poster Presentation

- Metabolomic Analysis of Breast Cancer Line Aqueous Material Using NMR Spectroscopy
A. Lesko, M. Castaldo, S. Fuest, S. Haugabook, H. Nimjareansuk, J. Hughes, L. M. Mielnicki, Niagara University
Category: Health Sciences/Microbiology

- Effects of Anthelmintic Treatments on the Microbiome of the Horse
M. F. Zulch, Elms College
Category: Microbiology
- Isolation of Staphylococcus Bacteriophage
M. R. Rice, M. L. Helf, J. P. Lioi, Niagara University
Category: Microbiology
- Design and Fabrication of an Ultrasonic Acoustic Levitator
T. T. Nguyen, College of Engineering Western New England University
Category: Analytical Techniques
- Analysis of Alzheimer's Metabolites in Urine
A. Stefurak, J. Hughes, C. Wirth, S. Gulde, L. Mielnicki
Category: Analytical Techniques
- Synthesis of Constrained Epibatidine Analogs
B. M. Puniello, S. W. Goldstein, S. R. Slauson, University of Saint Joseph
Category: Chemistry
- Statistical Design For Formulation Optimization of Methotrexate Micelles As Pharmaceutical Nanocarriers For Tumor Targeting
D. Daniels, S. Stevens, Western New England University
Category: Chemistry
- Tuning Chemoselectivity Toward an Affordable Synthetic Route To Aurantioclavine
Z. Mariani, S. Scharmach, Niagara University
Category: Chemistry

- The Influence of Time on Emotional Differences in Memory
J. H. Gray, R. M. Sandler, B. A. Bessette-Symons, Ithaca College
Category: Psychology
- The Anti-Anxiety Effect Of Zoloft In Rats
A. R. Johnson, John Carroll University
Category: Psychology
- Serum Antibody Responses in Balb-C Mice Following Multiple Exposures of Oxyvita Blood Substitute Are Associated With a Lack of Systemic Inflammation
D. M. Rodriguez, H. M. Mulhall , Mount Saint Mary College
Category: Cell Biology and Physiology
- Effects of Curcumin and Direct Photodynamic Therapy on Caspase Cascade Pathways in Cervical Cancer
K.A. Thorne, Niagara University
Category: Cell Biology and Physiology
- Investigation of the Prevalence of Toxoplasma Gondii in Bivalves (Crassostrea Virginica) From Orchard Beach, New York
S. Kowalyk, J.A. Reid, M.A. Presta, F. Tei, Manhattan College
Category: Environmental Science and Ecology
- The Chemistry and Transport of Nanomaterials Using Sphagnum Magellanicum as an Indicator
R.A. Brase, O. Perez, S. Brittle, A. Paluri, L.A. Wojciechowicz, I.P. Sizemore, Marist College
Category: Environmental Science and Ecology
- Three-Dimensional Reconstruction of Planarian Micrographs in Search of Human Proto-Oncogene Orthologs.
M. Cataldo, J. Ducey, Wagner College
Category: Developmental Biology

- Identification of Neural Progenitors in the Chicken Olfactory Epithelium.
M. Bhatt, B. Murdoch, Eastern Connecticut State University
Category: Developmental Biology