

Student Publications: 2005 – 2009

(Chemistry undergraduate authors are underlined)

2005

Czerwinski, J.D.; Hovan, S.C.; Mascotti, D.P. Quantitative Non-Isotopic Nitrocellulose Filter Binding Assays: Bacterial MnSOD-DNA Interactions. *Anal. Biochem.*, **2005**, 336, 300.

2006

2007

Leonberg, A.; Chai, Y. The Functional role of cysteine residues for c-Abl kinase activity. *Mol. Cell. Biochem.*, **2007**, 304 (1-2), 207-212.

2008

Gilge J.L.; Fisher, M.; Chai, Y. The effect of oxidant and the non-oxidant alteration of cellular thiol concentration on the formation of protein mixed-disulfides in HEK 293 cells. *PLoS ONE*, **2008**, 3(12), e4015.

2009

Lissemore, J.L.; Bayes, J.; Calvey, M.; Reineke, L.; Colagiavanni, A.; Tscheiner, M.; Mascotti, D.P. Green Fluorescent Protein is Superior to Blue Fluorescent Protein as a Quantitative Reporter of Relative Promoter Activity in E. coli. *Mol. Biol. Reports*, **2009**, 36, 1107-1112.

Schroder, P.M.; Spilker, T.F.; Luu, W.; Updegraff, J.B., III; Kwan, M.L.; Challen, P.R.; Protasiewicz, J.D. Improved synthesis of Pincer Ligand Precursor, and Synthesis and Structural Characterization of Terphenyl Scaffolded S-C-S Palladium Pincer Complex. *Inorg. Chem. Commun.*, **2009**, 12, 1171-1174.

Student Presentations: 2005 – 2009

(Chemistry undergraduate presenters are underlined)

2005

Carfagna, C.; Conry, S.; Kwan, M.L. Preparation and Characterization of Pd(II) Complexes of an ^{19}F NMR-Reporter Ligand. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Conry, S.; Carfagna, C.; Kwan, M.L., et al. Preparation and Characterization of Pd(II) Complexes of an ^{19}F NMR-Reporter Pincer Ligand. Presented at Cleveland Section ACS Meeting-in-Miniature, Baldwin Wallace College, Berea, OH, March 2005.

Czerwinski, J.; Hovan, S.; Mascotti, D. Quantitative non-isotopic nitrocellulose filter binding assays: bacterial manganese superoxide dismutase-DNA interactions. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Czerwinski, J.; Rao, P.; Graor, H.; Kim, J. Heat Shock Factor 4 (HSF4) expression within tumor-graining lymph node antigen-presenting cells correlates with therapeutic antitumor activity. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Dambrosio, N.; Long, Dr. Factors Leading to the Recent Classification of Seasonal Affective Disorder as a Distinct Psychological Condition and practices Developed to Treat It. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Fondeur, H.M.; Carfagna, C.S.; Marshall, J.E.; Kwan, M.L., et al. Preparation and Characterization of Pd(II) Complexes of an ^{19}F NMR-Reporter Pincer Ligand. Presented at Annual Biomedical Research Conference for Minority Students (ABRCMS), Atlanta, GA, November 2005.

Mamolen, M.; Stempak, L.; Febbraio, Dr. Molecular Engineering of a Histidine Rich Glycoprotein Gene Targeting Vector. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Marshall, J.E.; Carfagna, C.S.; Kwan, M.L. Preparation and Characterization of Pd(II) Complexes of a ^{19}F NMR-Reporter Pincer Ligand. Presented at ACS Northeast Regional Meeting, Sacred Heart University, Fairfield, CT, July 2005.

McClure, B.; Miller, C. Determination of Copper in Rhus Vernicifera Laccase using Di-2-Pyridyl Ketone Benzoylhydrazone. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

McDermott, M.; Kinney, C. Vascular Endothelial Cell Gene Expression Linked to Atherosclerosis. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Nowak, J.; Navarro, A.; Baran, J.; Odile-Parat, M. Nitric oxide-dependent increase of endothelial migration by propofol. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Leonberg, A.; Chai, Y. Regulation of c-Abi kinase activity by S-glutathiolation. Presented at Cleveland Section ACS Meeting-in-Miniature, Baldwin Wallace College, Berea, OH, March 2005.

Leonberg, A.; Chai, Y. The Effect of S-glutathionylation on Protein Structure & Function. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Mascotti, D.P.; Kall, R.J.; Iannetti, M.P. Effect of Ethanol as a Cosolvent on Charged Peptide Interactions with RNA. Presented at Rustbelt RNA Meeting, Deer Creek, OH, October 2005.

Patel, S.; Mustovich, A.; Mascotti, D.; Waner, M. Binding of Urea to Streptavidin: Let's Get Specific! Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

Smolik, A.C.; Hovan, S.C.; Mascotti, D.P. Interactions of NmSOD with Single Stranded RNA using Fluorescence Spectroscopy. Presented at Rustbelt RNA Meeting, Deer Creek, OH, October 2005.

Zimmerer, J.; Weimbs, Dr.; Shillingfod, Dr. The role of mTOR pathway in polycystic kidney disease. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2005.

2006

Anderson, B.R.; McClure, B.; Miller, C. Characterization of Two Copper Binding Ligands, dPKBH and EMT; In Search for a New Copper Assay. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Bohn, C.M.; McClure, B.; Miller, C. A Calorimetric and Spectroscopy Study of the Binding Properties of the Bidentate Copper Ligand, Di-2-Pyridyl Ketone Benzoylhydrazone. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Chai, Y.; Leonberg, A. The Function Role of Cysteine Residues on c-Abl Kinase Activity. Presented at ACS Central Regional Meeting, Midland, MI, May 2006.

Chandrasekharan, U.; McDermott, M.S. Activation of E-selectin promoter by TNF α in human endothelial cells. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Franley, N.; Kim, R.J.; Kerns, J.M.; Liu, S.; Nagel, T.; Zaszczurynski, R.; Lin, D.L.; Damaser, M.S. Straited Muscle and Nerve Fascicle Distribution in the Rat Urethral Sphincter. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Gyimah, G.; Nichols, M. Isolation and Determination of the Major Component of the Spice Coriander. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Hovan, S.C.; Marathe, G.K.; McIntyre, T.M. Isolation and characterization of bioactive lipids from human LDL. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Kall, R.J.; Iannetti, M.P.; Mascotti, D.P. Effect of Ethanol on Charged Peptide Interactions with RNA. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Leposa, C.M.; Nichols, M.A. Kinetic and Mechanistic Studies of the Deprotonation of Isobutyrophenone Using a Sterically-hindered Lithium Amide Base with a Sterically-hindered Ketone. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Magrey, S.; Chai, Y.C. The Effect of Thiol Containing Amino Acids on Caspase Activation. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Mamolen, M.; Febbraio, M. The Role of Histidine Rich Glycoprotein, A Possible Regulator of Angio-genesis, in Diabetes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Mamolen, M.; Mascotti, D. Analysis of the Thermodynamics of Protein-RNA Interactions. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

Marshall, J.E.; Poleski, K.M.; Kwan, M.L. Green Chemistry in Action at JCU: Preparation of Fluorinated Pincer Complexes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

McClure, B.; Rack, J. Determination of Electronic Structure of Photochromic Ruthenium(II) Complexes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

- Miller, M.J.; Macklin, W.B.; Kangas, C.D.; Conry, S.J. Effects of a point mutation in the proteolipid protein gene on the central nervous system. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.
- Nichols, M.A.; Leposa, C. Kinetic and Mechanistic Studies of the Deprotonation of Isobutyrophenone Using a Sterically-Hindered Lithium Amide Base. Presented at ACS Central Regional Meeting, Midland, MI, May 2006.
- Sobinsky, R.; Nichols, M. Characterization of the Product(s) of Polymerization of Styrene Initiated by a Sterically-Hindered Alkylolithium Compound. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.
- Stempak, L.; Klenotic, P. Structural Analysis of Histidine-rich Glycoprotein. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.
- Sullivan, J.F.; Leonberg, A.; Chai, Y. Oxidant induced S-glutathiolation of c-Abl in HEK 293 cells. Presented at the 16th Annual Undergraduate Symposium, Argonne National Laboratory, Argonne, IL, November 2006.
- Waner, M.J.; Mustovich, A.; Patel, S. Intrinsic Tryptophan Fluorescence as a Structural Probe of the Streptavidin-Biotin System. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.
- Waner, M.J.; Mustovich, A.; Patel, S.; Mascotti, D.P. Intrinsic Tryptophan Fluorescence as a Structural Probe of the Streptavidin-Biotin System. Presented at ACS Central Regional Meeting, Midland, MI, May 2006.
- Waner, M.J.; Mustovich, A.; Patel, S.; Mascotti, D.P. Intrinsic Tryptophan Fluorescence as a Structural Probe of the Streptavidin-Biotin System. Presented at the 39th Silicon Symposium, Frankenmuth, MI, May 2006.
- Weber, J.L.; Kwan, M.L. Green Chemistry: Science with a Conscience. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.
- Zimmerer, J.; Stark, G.; Shultz, D. Novel Interferon Pathways: The Role of IKK. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2006.

2007

- Andrews, G.; Setter, M. Analyzing Copper(II) Oxide for Manganese and Zinc Using Atomic Absorption Spectroscopy. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Bengez, L.; Smolik, A.C.; Mascotti, D. Study of Mn-SOD/Nucleic Acid Interactions by Fluorescence Quenching: Preferential Binding to Single-Stranded Nucleic Acids. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Chai, Y.; Leonberg, A.; Sullivan, J.F. S-glutathionylation of c-Abl in vivo and in vitro. Presented at ACS National Meeting, Boston, MA, August 2007.

Conry, K.; Kwan, M.L. Green Building. Presented at Celebration of Scholarship Panel Session, John Carroll University, University Heights, OH, March 2007.

Glass, K.; Masliantchouk, O. Chagas' Disease. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Hauser, B.; Kwan, M.L. Pros and Cons of the use of Coal. Presented at Celebration of Scholarship Panel Session, John Carroll University, University Heights, OH, March 2007.

Masliantchouk, O.; Nichols, M. Mechanistic and Synthetic Studies of Polystyrene Polymerization Using a Sterically Hindered Alkyl Lithium Initiator. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

McHugh, A.; Bandyopadhyay, S. Transfection in HUVEC cells versus Bovine cells. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

McHugh, A.; Ohl, K.; Lissemore, J. Effects of Poverty on Syphilis and Gonorrhea Rates in the U.S. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Moss, N.A.; Miller, C. Experimental Design of an Undergraduate Laboratory Assay of the Shelf-Life of Beer. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Mustovich, A.T.; Haque, M.M.; Panda, K.; Bravo, J.T.; Aulak, K.S.; Fadlalla, M.; Stuehr, D.J. The Role of NOS Hinge Region in Electron Transfer. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Petro, C.; Stark, G.; Mascotti, D. Unphosphorylated stat3 Drives Gene Expression by Binding k B Element of Rantes Promoter. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Schroder, P.; Kwan, M.L. Biofuels. Presented at Celebration of Scholarship Panel Session, John Carroll University, University Heights, OH, March 2007.

Schroder, P.M., et al. Preparations of PCP and NCN ^{19}F Reporter Pincer Complexes. Green Enough? Presented at ACS/AIChE Rocky Mountain Regional Meeting, Denver, CO, August 2007.

Schroder, P.M.; Marshall, J.E.; Conry, K.L.; Kwan, M.L. Preparation and Characterization, and Equilibrium Studies on Pd(II) Complexes of a ^{19}F NMR-Reporter Pincer Ligand. Presented at ACS Mid-Atlantic Regional Meeting, Collegeville, PA, May 2007.

Syktich, L.; Setter, M. Analyzing Copper(II) Oxide Powder with Differential Pulse Stripping Voltammetry. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Sypert, D.; Pan, H.; Eggers, L.; Lin, D.; Damaser, M.; Lissemore, J. Mechanisms of Female Urinary Incontinence in Diabetes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Sypert, D.; Setter, M. Analysis of Copper(II) Oxide Powder using High Pressure Liquid Chromatography. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Tappel, R.; Heideman, C. Synthesis and Calibration of $\{(\text{BiSe})_{1.10}\}_x(\text{NbSe}_2)_y$. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

Zuzolo, P.; Kwan, M.L. Renewable Energy Sources for the Near Future. Presented at Celebration of Scholarship Panel Session, John Carroll University, University Heights, OH, March 2007.

Zwilling, J.; Hsu, P.Y.; Dhinojwala, A. Origin of Surface Ordered Phase in Poly(n-alkyl acrylates). Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2007.

2008

Bengez, L.; Cheng, I.; Smolik, A.C.; Mascotti, D.P. Thermodynamic Characterization of E. coli Manganese Superoxide Dismutase binding to single- and double- stranded polynucleic acids. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Betschart, A.; Nichols, M. Comparison of Authentic Designer and Designer Imposter Scents by Gas Chromatography Mass Spectrometry and Principle Component Analysis. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Betschart, A.; Papariella, K.; Gawalt, E.S. The Formation of Octacosanoic Acid Monolayers on Stainless Steel. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Challen, P.R.; Kwan, M.L.; Spilker, T.F.; Schroder, P.M.; Updegraff, J.B., III; Protasiewicz, J.D. Synthesis of Terphenyl-Based Pincer Ligands. Presented at ACS Central Regional Meeting, Columbus OH, June 2008.

Finucane, P.; Bost, L.; Cocco, S.; Fox, A.; Marcin, J.; Stroney, S.; Tillmaand, E. Poverty and Solidarity Summer Internships Panel. Presented at Celebration of Scholarship Panel Session, John Carroll University, University Heights, OH, March 2008.

Hale, D.; Nichols, M. Analysis of ascorbic acid-Fell –mediated linoleic acid peroxidation products by GC/MS: Development of a biochemistry lab experiment. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Hale, D.; Runge, K.; Chen, B.; Ciolek, P. Developing a Schizo Saccharomyces Pombe Insertion Mutagenesis Library for High-Throughput Genetic Screening Applications. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Kern, K.; Miller, C. Synthesis and Purification of a Fluorogenic Reagent Used in a Spectro Fluorimetric Copper Assay. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Kwan, M.L.; Schroder, P.M.; Conry, K.L.; Williams, B.M.; Hoffman, N.W.; Traylor, R.; Wicker, B.; Marshall, A.G.; Khitrov, G.A. Preparations of PCP and NCN ¹⁹F Reporter Pincer Complexes. Green Enough? Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Lahood, T.; Martin, M.; Mascotti, D. Transcription Assays using Short Single, Double, and Hairpin Loop Templates. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Lause, G.; Schafer, N.; Cureton, B.A.; Wilber, J.H.; Vallier, H.A. Effects of Timing of Orthopaedic Surgery in Multiple-injured Patients. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Moss, N.A.; Miller, C. Experimental Design of an Undergraduate Laboratory Assay of the Shelf-Life of Beer. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Ponyik, C.; Waner, M.J.; Mascotti, D.P. Is the Binding of Biotin to Streptavidin Cooperative? Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Schroder, P.M., et al. Preparations of PCP and NCN ^{19}F Reporter Pincer Complexes. Green Enough? Presented at ACS Central Regional Meeting, Columbus, OH, June 2008.

Syktich, L.; Setter, M. Analyzing Copper(II) Oxide Powder for Zinc Using Differential Pulse Stripping Voltammetry. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Tappel, R.; Bubenik, J.; Driscoll, D. Further Understanding of Selenocysteine. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

Volino, L.; Nichols, M.; Miller, C. Heavy Metal Analysis of Chlorophyll Containing Vegetables. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2008.

2009

Banks, T.; Fields, T.; Kottha, A.; Kinebrew, G. A role for EGFR in early chick thyroid development. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Betschart, A.; Nichols, M. Comparison and “Fingerprinting” of Authentic Designer and Designer Imposter Fragrances Using Gas Chromatography Mass Spectrometry (GS-MS) and Principal Component Analysis. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Challen, P.R.; Kwan, M.L.; Spilker, T.; Luu, W.; Schafer, A.; Jenkins, A.; Gruber, L.; Essi, D.; Updegraff, J.B., III; Protasiewicz, J.D. Improved Synthesis of Pincer Ligand Precursor, and Synthesis and Structural Characterization of Terphenyl Scaffolded S-C-S Palladium Pincer Complexes. Presented at ACS Central Regional Meeting, Cleveland, OH, May 2009.

Cheng, I.; Bengez, L.; Mascotti, D.P. Thermodynamic Characterization of E. coli Manganese Superoxide Dismutase binding to single- and double-stranded polynucleic acids. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Fisher, M.; Lissemore, J.; Újvári, A.; Luse, D.S. SIN Mutant Histones Offer Differing Transcriptional Barriers. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Frakes, A.; Bakhautdin, B.; Fox, P.L. Protective Role of Ceruloplasmin in Experimental Colitis. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Gilge, J.L.; Fisher, M.; Chai, Y. The Effect of Oxidant and the Non-Oxidant Alteration of Cellular Thiol Concentration on the Formation of Protein Mixed-Disulfides in HEK 293 Cells. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Gilge, J.L.; Fisher, M.; Chai, Y. The Effect of Oxidant and the Non-Oxidant Alteration of Cellular Thiol Concentration on the Formation of Protein Mixed-Disulfides in HEK 293 Cells. Presented at ACS Central Regional Meeting, Cleveland, Ohio, May 2009.

Kelleher, S.; Chandrasekharan, U.M.; DiCorleto, P.E. Stable expression of recombinant TNF- α Receptor 2 in Human Embryonic Kidney cells. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Lausé, G.; Bandyopadhyay, S.; DiCorleto, P.E. Investigation of Protein Arginine Methylation in Endothelial Cell Activation. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Luu, W.; Jenkins, A.; Gruber, L.; Kwan, M.L. Synthesis of SCS Terphenyl Palladium Pincer Complexes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Patton, W.E.; Waner, M.J.; Mascotti, D.P. Evidence for Structural Cooperativity in the Binding of Biotin by Streptavidin. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Pratt, S.; Ting, A. Transcriptional gene silencing in human cancer cells by RNA dependent DNA methylation. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Schafer, A.; Challen, P.R. Synthesis of m-Terphenyl Based Pincer Complex Catalysts. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Schoonmaker, R.; Miller, C. Experimental Design of an Undergraduate Laboratory Experience to Differentiate Beers and to Evaluate Beer Aging. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Spilker, T.; Challen, P.R. Exploratory Work with Terphenyl-Based Pincer Complexes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.

Tillmaand, E.; Bengez, L.; Cheng, I.; Mascotti, D.P. Nucleotide binding specificity of E. coli Manganese Superoxide Dismutase. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.



Zuzolo, P.; Zhang, B. ER to Golgi Coagulation Factor Secretory Pathway and Dependence on LMAN1 and MCFD2 Genes. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2009.