

## Student Publications: 2010 – 2014

(Chemistry undergraduate authors are underlined)

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### 2010

### 2011

### 2012

Kwan, M.L.; Conry, S.J.; Carfagna, C.S.; Press, L.P.; Ozerov, O.V.; Hoffman, N.W.; Sykora, R.E. {2,6-Bis[(2,6-diisopropylphosphanyl)oxy]-4-fluorophenyl-<sup>3</sup> (1H- Pyrazole-N)nickel(II) hexafluorophosphate. *Acta Crystallogr. Sect. E: Struct. Rep. Online*, **2012**, 68 (10), m1282-m1283.

### 2013

Patil, P.; Cousins, K.; Smith, M.; Weiskamp, S.; Ferrara, M.; Bruce, C.D.; Lee, M. Controlling the radical 5-exo-trig cyclization, and selective synthesis of seco-iso-cyclopropylfurano[e]indoline (seco-iso-CFI) and seco-cyclopropylthiophene[e]indoline (seco-CTI) DNA alkylating subunit of the duocarmycins. *Tetrahedron Lett.*, **2013**, 54, 4756-4759.

### 2014

Smolik, A.; Bengez-Pudja, L.; Cheng, I.; Mascotti, D. Characterization of E. coli Manganese Superoxide Dismutase Binding to RNA and DNA. *Biochem. Biophys. Acta: Proteins & Proteomics*, **2014**, 1844, 2251-2256.







Benson, H. The Effects of Orally Administered Adderall XR on Spatial Learning and Memory, Activity, Body Weight and Food Consumption in Long-Evans Rats. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2011.

Brown, M. Synthesis and Use of the Ligand PQAM in Co



Zessin, A.; Kurup, S.; Steffey, M.E.; Soellner, M.B. Identification of non-peptidic, substrate competitive Abl kinase inhibitors. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2011.

Zessin, A.; Martin, M. Characterization of a spontaneous suppressor in the budding yeast *Saccharomyces cerevisiae*. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2011.

## **2012**

Alzayed, A. Prostate Cancer Secretome Analysis. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2012.

Bailey, I.; Ludgin, J.; Johnson, E.E. Effects of Iron Metabolism on Immune Response. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, March 2012.

Bailey, I.; Miniard, A.; Driscoll, D.M. Identifying the Regulating Factors in the Expression o



Schott, M. Design of a 3-D Radio Frequency Laminar-Constructed Hexapole Ion Trap.  
Presented at Celebration of Scholarship Poster Session, John Carroll University, University





Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Myers, A.; Kwan, M.L. JCU PaperLESS: Reducing Paper Consumption and the Environment. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Pacer, C.; Nichols, M.A. Studies of the Keto-Enol Equilibria - Dicarbonyl Compounds. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Polsinelli, C. Molecular Dynamics Simulations as a Characterization Method of Biologically Relevant Segments of DNA. Senior Honors Program Project (Advisor: Dr. Chrystal Bruce, Chemistry). Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Polsinelli, C.; Bruce, C.D. Molecular Dynamics Simulations as a Characterization Method of Biologically Relevant Segments of DNA. Presented at Cleveland Section ACS Meeting-in-Miniature, Baldwin Wallace University, Berea, OH, March 2014.

Polsinelli, C.; Vancil, C.; Bruce, C.D. Molecular Dynamics Simulations as a Characterization Method of Biologically Relevant Segments of DNA. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Scarl, R. The Effect of Mutations in PRMT5 on its Ability to Oligomerize. Senior Honors Program Project (Advisor: Dr. Jim Lissemore, Biology). Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Stahon, K.; Chinthasagar, B.; Grahame, K.; Sylvain, B.; Selva, B. Age-dependent modifications of axons, mitochondrial dynamics, and calcium homeostasis underlie the vulnerability of aging white matter to ischemia. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Vancil, C.; Kwit, A.; Bruce, C.D. Molecular Dynamics Simulations: Using Computational Chemistry to Study DNA-polyamide Complexes as a Characterization of Cognate DNA Strands. Presented at Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH, April 2014.

Washburne, B.S.; Salata, R.R.; Challen, P.R.; Dyck, J.S. Nanopowder Synthesis and Characterization of the Natural Superlattice  $(\text{Bi}_2)_m(\text{Bi}_2\text{Te}_3)_n$  for Prospective Thermoelectric Materials. Presented at Annual Spring Meeting of the American Physical Society, Ohio-Region Section, Youngstown, OH, April 2014.

Woods, J.; Nichols, M.A. Kinetic and Mechanistic Studies of the Deuterium Exchange in Classical Keto-Enol Tautomeric Equilibrium Reactions: The Role of Impurities. Presented at



Celebration of Scholarship Poster Session, John Carroll University, University Heights, OH,  
April 2014.