



# American Chemical Society Susquehanna Valley Section

## NOVEMBER 2010 NEWSLETTER

The three hundred ninety third meeting of the American Chemical Society Susquehanna Valley Section will be held on Wednesday, November 10, 2010 in Room G09 of the Heim Building on the Lycoming College campus. The meeting will begin at 7:30 PM and will be preceded by dinner at 5:45 PM at the Bullfrog Brewery at 231 West Fourth Street, Williamsport, PA. The speaker will be Dr. Donald Watson of the University of Delaware.

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### *"Recent Advances in Transition-Metal Catalyzed Cross-Coupling Reactions"*

Dr. Donald Watson  
Assistant Professor of Chemistry  
Department of Chemistry and Biochemistry  
University of Delaware

My talk will cover recent efforts in the area of transition-metal catalyzed cross-coupling reactions. First, I will describe the development and scope of the recently published palladium-catalyzed formation of fluoroarenes and trifluoromethylarenes (Science **2009**, 325, 1661 and Science **2010**, 328, 1679). This work was developed as part of my post-doctoral studies in Stephen Buchwald's group at MIT. The second half of the talk will focus on current at the University of Delaware, where my group is working towards the developing of catalysts to effect the C-alkylation of nitroalkanes and the towards the development of the Silyl-Heck Reaction for silylating alkenes under mild conditions.

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Donald A. Watson was born in California in 1976. He received his BS in Chemistry from UC San Diego in 1998. During his undergraduate years, he worked in the laboratories of Professors K. C. Nicolaou and Emmanuel Theodorakis, working on natural products synthesis. He completed his Ph.D. in Organic Chemistry at UC Irvine in 2004, working under the direction of Professor Larry E. Overman. His dissertation work focused on stereochemical problems in palladium catalyzed transformations. From 2004 to 2006 he was a NIH Postdoctoral Fellow in the laboratories of Professor Robert G. Bergman at UC Berkeley. During this time he developed zirconium-based catalysts for asymmetric intramolecular hydroaminations. He then moved to the Massachusetts Institute of Technology to take a position as a Postdoctoral Associate in Professor Stephen L. Buchwald's laboratory, where he studied metal catalyzed processes for C-F bond formation. He joined the Chemistry and Biochemistry faculty at the University of Delaware as an Assistant Professor in July 2009.

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**DINNER:** Dinner will be at 5:45 pm at the Bullfrog Brewery (231 West 4th Street, Williamsport. Please call or email reservations to Debbie Smith (570-211-4180 or [smithdeb@lycoming.edu](mailto:smithdeb@lycoming.edu)) by November 3.

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#### **DIRECTIONS TO THE BULLFROG BREWERY RESTAURANT**

From I-80, take U. S. Route 15 north. Travel approximately 15 miles to Williamsport. Continue over the Market Street Bridge (stay in left lane) and follow the signs for the Business District. At the third traffic signal, turn left onto 4th Street. Follow 4th Street west to the third traffic signal, which is Hepburn Street (there will be a movie theater on the right at the corner). Parking is available along Hepburn Street (on the street and in a public parking lot). The Bullfrog Brewery is directly next to City Hall on 4th Street, one block east of Hepburn Street.

From I-180/US-220, exit onto Market Street (Exit 27A). Turn left from the exit ramp at the traffic signal and follow Market Street north into the city. At the second traffic signal, turn left onto 4th Street. Follow 4th Street west to the third traffic signal, which is Hepburn Street (there will be a movie theater on the right at the corner). Parking is available along Hepburn Street (on the street and in a public parking lot). The Bullfrog Brewery is directly next to City Hall on 4th Street, one block east of Hepburn Street.

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### **Directions from the Bullfrog Brewery Restaurant to the College**

Follow Hepburn Street north to the traffic signal at Little League Boulevard (0.2 mi). Turn right onto Little League Boulevard and follow it until it ends at Mulberry Street (0.3 mi). Turn left at the stop sign onto Mulberry Street. At the next traffic signal, turn right onto Washington Boulevard. The entrance to the Heim Building parking lot will be the first right (Park in the row closest to the building).

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### **Directions to the College**

From I-80, take U. S. Route 15 north. Travel approximately 15 miles to Williamsport. Continue over the Market Street Bridge (stay in left lane) and follow the signs for the Business District. Go to the fourth traffic signal and turn right onto Little League Boulevard. Go one block east and turn left at the stop sign onto Mulberry Street. At the next traffic signal, turn right onto Washington Boulevard. The entrance to the Heim Building parking lot will be the first right (Park in the row closest to the building). A campus map can be found at [Campus Map - Lycoming College](#)

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### **MARM 2011**

The 42nd Middle Atlantic Regional Meeting (MARM 2011) of the American Chemical Society will be held from Saturday, May 21 to Tuesday, May 24, 2011. Hosted by the Chemical Society of Washington (CSW), the meeting will take place on the campus of the University of Maryland in College Park, MD. The Greater Washington Area houses one of the largest concentrations of chemical scientists and has the greatest diversity of government, industrial, and academic laboratories. The 2011 MARM provides an advantageous setting for interactions between the diverse segments of the chemistry enterprise, opportunities to make connections, and occasions to view different career opportunities.

The abstracts program will be open for submission of papers online after January 1, 2011. The deadline for abstracts will be April 11, 2011.

The theme of the meeting is "International Year of Chemistry" with regional, national, and international speakers representing the broad diversity of the chemical sciences. Topical symposia planned for the meeting include sessions on Bioorganic Chemistry, RNA Structure, Synthetic Chemistry, Supramolecular Chemistry, Graphene Chemistry, Genomics Using Mass Spectroscopy, Nutraceutical and Nutritional Chemistry, Polymer Chemistry, Nanoparticle Metrology, Terahertz Spectroscopy, Catalysis, Chemistry in the High School, and more.

General sessions in organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry, and biochemistry are planned. A poster session will also be held in conjunction with the exposition. In addition to the scientific content of the meeting, there will be opportunities for academic attendees to meet with funding program representatives. Other special events and programming are planned for high school teachers, including Chemagination.

Recipients of the ACS Regional Industrial Innovation Award, the E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society, the Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences, and the ACS Division of Chemical Education Middle Atlantic Region Award for Excellence in High School Teaching will be honored at MARM 2011. Nominations for these awards are due on February 15, 2011. Information on submitting nominees for these awards will be made available at this website.

For more information, visit [MARM 2011 WEBSITE](#).

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### **ACS Elections**

Ballots for President-Elect, 2011 were mailed on Sept. 24 to all ACS members eligible to vote as of Aug. 16. You may still vote by the traditional paper or online <https://www.vres.us/webapps/vwr2035.pgm> with your member account number and Personal PIN that were included in your ballot package. The voting deadline is November 12, 2010. Two candidates will vie for the office of president-elect of the American Chemical Society for 2011 in this fall's election. They are Luis A. Echegoyen, the Robert A. Welch Chair in Chemistry at the University of Texas, El Paso and Bassam Z. Shakhshiri, a professor of chemistry at the University of Wisconsin, Madison. Information regarding each of these candidates can be found at <http://pubs.acs.org/cen/acsnews/88/8836electionC1.html> and <http://pubs.acs.org/cen/acsnews/88/8836electionC2.html>, respectively. The successful candidate will serve as ACS president in 2012 and as a member of the ACS Board of Directors from 2011 to 2013.

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Section Web Page: <http://course.wilkes.edu/SusquehannaValleyACS/>

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