

***UNIVERSITY OF RHODE ISLAND***  
***Department of Chemistry***  
***SEMINAR***

***3:00 P.M., Monday, March 30, 2026***  
***Room 105 – Beupre Center***

***Prof. Mary P. Watson***

***Department of Chemistry and Biochemistry***  
***University of Delaware***

***Deaminative Cross Couplings***

***HOST***

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## Deaminative Cross Couplings

**Abstract:** The ubiquity of alkyl amines and the ease of their synthesis makes them attractive precursors for a variety of transformations. In contrast to their classical use as starting materials for complex nitrogen-containing products, we have developed a suite of deaminative methods to convert primary amino groups ( $\text{NH}_2$ ) into various carbon substituents via Katritzky pyridinium salt intermediates. Our recent progress will be discussed, including enantioselective and difunctionalization reactions, along with macrocyclization strategies.