

**Dynamic Covalent Chemistry and Transition Metal
Catalysis as Tools for Heterocyclic Chemistry**

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Abstract

Heterocyclic compounds are of great importance as they are found in many pharmaceuticals, agrochemicals and consumer goods. In particular the fields of medicinal chemistry and catalysis have benefited from the development of robust synthetic routes both in heterocycle formation as well as methods for their functionalization. The Bolliger group uses a variety of methods for furthering the field of heterocyclic chemistry, such as a copper catalyzed arylation to form triazolium salts or oxidative disulfide coupling to enable the formation of tricyclic aromatic thiazolium salts.