

Mapping Decarboxylative Coupling Reactions: Uncovering New Principles that Govern Catalysis

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Decarboxylative coupling reactions provide an attractive route to generate a diverse array of functionalized arenes from inexpensive and readily available carboxylic acids. These methods, however, are underutilized due to limitations in the scope of the carboxylic acid coupling partner and the need for stoichiometric silver salt oxidants. Our work has focused on understanding the origins of these limitations to enable the design of efficient and universal decarboxylative coupling reactions. In the course of these studies, we have uncovered new fundamental principles that govern catalysis in these systems, and others.

Students, meet the speaker after the seminar in a student/postdoc session from 4:45-5:15 pm

Date: Fri, Dec. 2, 2022
Time: 3:30-4:30 pm
Location: Clark Hall 112