

The Department of Chemistry and Biochemistry

Seminar Series

Presents a Seminar Entitled:

“All Things Carbene: Conversion of Readily Available Starting Materials into Complex Molecular Building Blocks and Their Subsequent Applications”



Presented By

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Carbenes are reactive intermediates whose electronic interactions with metal atoms have the capacity to span the full spectrum of electrophilic and nucleophilic reactive states in addition to serving as ancillary ligands for tunable organometallic catalyzed transformations. Ongoing efforts in my research laboratory have sought to leverage their versatility as reagents for the straightforward, atom economical, non-precious metal catalyzed conversion of unsaturated compounds into highly chemo-, regio-, and stereoselective carbocyclic and heterocyclic products. An overview of newly developed methods towards the synthesis of novel imaging science agents and other useful materials utilizing carbenic compounds and catalysts will be presented.

Friday, April 15, 2016 at 3:00 p.m. in OCNPS 100