

Special Rutgers University – NJMS *Virtual Seminar*

Seminar via WebEx Video Conferencing

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“Metallacycle-Mediated Cross-Coupling: Reaction Development and Application”

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Abstract: The lecture will include an introduction to metallacycle-mediated cross-coupling and its potential value in complex molecule synthesis, then shift to a focused discussion of coupling reactions of value for the synthesis of fused carbocycles. Next, this reactivity is discussed as a foundation to the development of novel strategies for the asymmetric synthesis of tetracyclic terpenoids (e.g., steroids, lanostanes, limonoids, etc). The lecture will conclude with a brief discussion that highlights how the fundamental advances in organic chemistry discussed throughout the seminar are playing a central role in the design and development of novel modulators of nuclear receptors (this discussion will be somewhat limited by IP constraints, but will aim to communicate how we are moving forward to deliver technology capable of making advances at the interface between chemistry, biology and medicine).

Date: Friday, October 9, 2020

Time: 11:30 AM