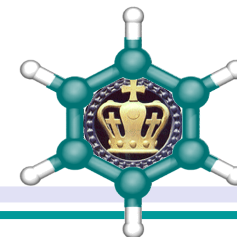




Columbia University Department of Chemistry

Fall 2017 Colloquium Seminar Series

THE MERCK LECTURE



New Strategies for Hydrocarbon Functionalization

ABSTRACT: The development of new synthetic reactions using easily accessed hydrocarbons hold significant promise in streamlining the synthesis of valuable small molecules. I will begin by describing our efforts towards developing new modes of organometallic catalysis involving unactivated alkyl halides in reactions with alkenes and other widely available chemical feedstocks. This work comprises a diverse set of catalytic processes for the formation of C–C bonds applicable to broad classes of small molecules. In the second part of the seminar, I will describe our group's development of a platform for intermolecular aliphatic C–H functionalization using heteroatom-centered radicals. Our approach offers a range of practical and predictable aliphatic C–H transformations for complex synthesis and late-stage functionalization.

Presented by

Erik Alexanian

University of North Carolina

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Thursday, October 3, 2017

1:30 – Meet the Speaker in room 328 Havemeyer

4:00 – Tea & Cookies in room 328 Havemeyer

4:30 – Seminar in room 209 Havemeyer



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

Hosted by
Tom Rovis

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All lectures take place on Thursdays at 4:30pm in room 209 Havemeyer, unless otherwise indicated. Tea and cookies will be served prior to each lecture at 4:00pm in room 328 Havemeyer.

Please check our website for updates. If you would like to be added to our email list, please email your request to d.farrell@columbia.edu.