

THE SALZBERG CHEMISTRY SEMINAR SERIES



The City College
of New York



DEPARTMENT OF CHEMISTRY AND
BIOCHEMISTRY – Summer '25

Monday, June 30 2025 @ 12:00 noon – MR1027

Creation of Chemical Complexity via Controlled Functionalization of Organoboron Compounds

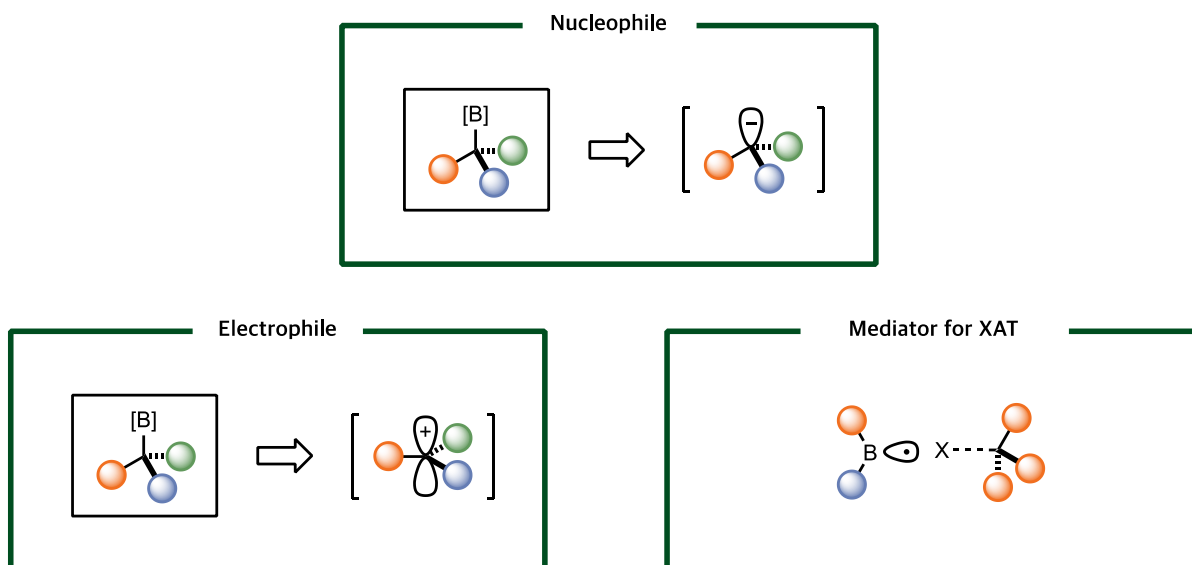
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Abstract: Novel reactivities of organoboron compounds have been identified as a source for creating new chemical spaces with functional value. Previously uncharted approaches of activation including, non-covalent interactions, electrochemical redox processes, and photoexcitation have been exploited for the functionalization of organoboron compounds. Combined experimental and computational studies provide insight into the fundamental understanding of the process. Special emphasis of the research program has been devoted to the formation of products with stereochemically-enriched $C(sp^3)$ center.



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