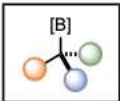




## 세미나 초록

발표주제	New directions in the activation of organoboron compounds
발표내용	<p>Novel reactivities of organoboron reagents for the formation of covalent bonds at a carbon atom with <math>sp^3</math> or <math>sp^2</math> hybridization are explored. In the first part of the presentation, an integrated synthetic platform of organoboron compounds for the introduction of heteroatoms will be discussed. Based on systematic electrochemical analysis, the electrochemically mediated bond-forming strategy was advanced to be highly effective for the functionalization of <math>sp^3</math>-hybridized carbon atoms with significant steric hindrance. The second half of the presentation covers a stereospecific cross coupling of chiral organoboron reagents. Based on highly stereospecific convey of stereochemical information, enantiopure <math>\alpha</math>-aryl carbonyl compounds could be synthesized in a straightforward manner.</p> <div style="text-align: center;">  <p>C(<math>sp^3</math>)-based organoboron compound</p> </div> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Anionic activation</p> <p><i>Stereoselective C-C bond formation</i></p> </div> <div style="text-align: center;">  <p>Cationic activation</p> <p><i>General C-Het bond formation</i></p> </div> </div>