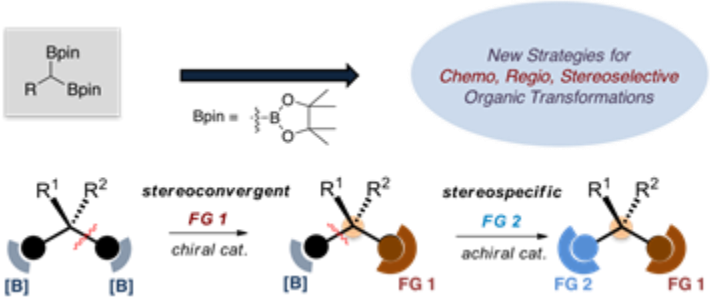
NANYANG TECHNOLOGICAL UNIVERSITY

CBC SEMINAR ANNOUNCEMENT

Professor Seung Hwan Cho
Pohang University of Science and Technology (POSTECH)

Chemo, Regio and Stereoselective Organic Transformations of 1,1-Diborylalkanes

1,1-Organodimetallic reagents are valuable starting materials for the construction of multifunctionalized molecules. Among them, 1,1-diborylalkanes, which contain two boryl groups at the same carbon center, are particularly attractive due to their ease of handling, non-toxicity, stability, and propensity to undergo a variety of organic transformations. In this context, our lab is highly interested in the development of regio, chemo and stereoselective organic reactions using 1,1-diborylalkanes as new types of organodimetallic reagents. In this seminar, the details about our recent findings using 1,1-diborylalkanes in a range of organic transformations will be presented.[1-7]



References

(1) Kim, J.; Park, S.; Park, J.; Cho, S. H.* Angew. Chem., Int. Ed. 2016, 55, 1498.
(2) Park, J.; Lee, Y. Kim, J. Cho, S. H.* Org. Lett. 2016, 18, 1210.
(3) Cho, W.; Kim, J.; Choi, S. Cho, S. H.* Angew. Chem., Int. Ed. 2016, 55, 9690.
(4) Lee, Y.; Baek, S.; Park, J.; Kim, S. T.; Tussupbayev, S.; Kim, J.; Baik, M. Cho, S. H.* J. Am. Chem. Soc. 2017, 139, 976.
(5) Park, J.; Choi, S.; Lee, Y. Cho, S. H.* Org. Lett. 2017, 19, 4054.
(6) Hwang, C.; Jo, W.; Cho, S. H.* Chem. Commun. 2017, 53, 7573.
(7) Kim, J.; Ko, K.; Cho, S. H.* Angew. Chem., Int. Ed. 2017, in press.

Date:	**31st August 2017 (Thursday)**
Time:	**11:00am – 12:30pm**
Venue:	**SPMS Research & Graduate Studies Office Conference Room**
Host:	**Assoc Professor Naohiko Yoshikai**