



**ICReDD  
International  
Seminar  
Series**

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## **Chiral Bidentate Boryl Ligand Enabled Iridium-Catalyzed Asymmetric C-H Borylation**

**Place:** Seminar Room 1  
Frontier Research in Applied Sciences Building

**Time:** Tuesday, 20 September 2022  
13:00-14:30



**Abstract:** Although metalloboryl complexes have been structurally evidenced as early as 1990s, boryl as supporting ligand in transition-metal catalysis remains a great challenge due to its liability. Herein, we present the synthesis of chiral bidentate boryl ligands (CBL) with readily available (*S,S*)-DPEN as the privileged scaffold and their application in iridium-catalyzed asymmetric C-H activation borylation of C-H bonds.