

CBC SEMINAR ANNOUNCEMENT



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Chelating “Click” Ligands for Metal-Mediated Catalysis

Heterocyclic 1,4-disubstituted-1,2,3-triazole is generally prepared from one of the most commonly used “click” reactions, the copper-catalyzed azide/alkyne cycloaddition (CuAAC). This type of compound has found many applications including biochemical studies, drug delivery, and functionalized polymer and material. However, examples of its role as catalyst support for metal-mediated chemical transformations have been limited. We are interested in preparing new chelating ligands featuring 1,2,3-triazole rings and their corresponding transition metal complexes. Catalytic activities of these complexes toward atom transfer radical polymerization (ATRP) and C-C bond coupling will be discussed and compared with other known and structurally similar catalysts.

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| Date: | 5th November 2012 (Monday) |
| Time: | 11:00am – 12:30pm |
| Venue: | NTU SPMS CBC Building Level 2, Conference Room |
| Host: | Assoc Professor Tan Choon Hong |