



## Catalysts & Pre-catalysts

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**Abstract:** When performing homogeneous catalysis, chemists rarely add the actual catalyst to their reaction vessel. On-cycle catalytic species are typically much too reactive to isolate, and keep in a bottle on a shelf. Instead, we use stable pre-catalysts, which can be shipped and stored dependably, and then converted into active catalysts, either in situ, or immediately prior to catalysis. This presentation focuses on the activation processes for some common organometallic pre-catalysts, and then delves into some principles for designing new pre-catalysts, exemplified by a case study of novel light-activated pre-catalysts.

**Wednesday, April 15th | 2:00pm-3:15pm | Science Hall 126**

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