



Guest Speaker:

**Professor R.J.M. (Bert) Klein Gebbink**  
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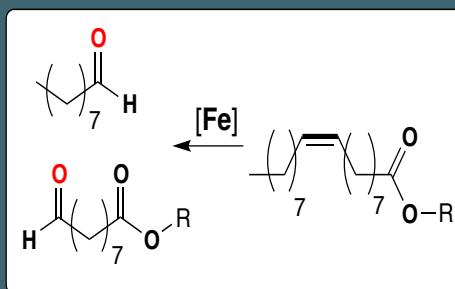
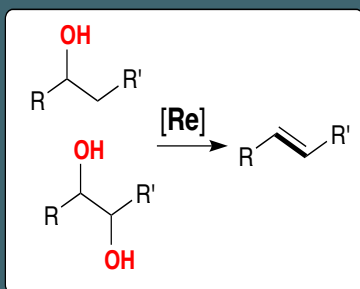
## COLLOQUIUM

WEDNESDAY, OCTOBER 21<sup>st</sup>, 2015  
12:00 P.M.

Lander Auditorium, Hutchison Hall 140  
University of Rochester, Department of Chemistry

### Title: Playing around with oxygen: homogeneous catalysts for the incorporation and removal of oxygen functionalities from biomass

Abstract: This talk will highlight our recent endeavors in the development of homogeneous catalysts for the conversion of biomass components in commodity chemicals. More specifically, it will focus on the development of organometallic rhenium catalysts for the dehydration and deoxydehydration of alcohols and vicinal diols to the corresponding olefins, and on the development of non-heme iron catalysts for the oxidative cleavage of unsaturated fatty acids to the corresponding aldehydes and carboxylic acids.



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