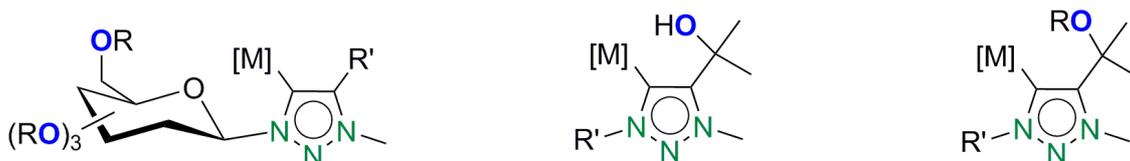


***O*-Functionalized 1,2,3-Triazolylidene Metal Complexes for Redox Catalysis**

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1,2,3-Triazolylidenes are a unique class of carbenes which have many advantages over classical N-heterocyclic carbenes (NHCs) including ease of synthesis and modification, and increased σ -donation properties.^[1] Since *O*- and *N*-functionalization of classical NHCs has been shown to enhance the catalytic activity of the metal center, in particular for (transfer) hydrogenation reactions.^[2,3] We aimed to explore the implication of such functional groups in combination with triazolylidene ligands. To this end, we have synthesized a range of metal complexes bearing *O*-functionalized 1,2,3-triazolylidene ligands. In this presentation, we will discuss the effects of this functional group, and the catalytic applications of the corresponding complexes in transfer hydrogenation and dehydrogenation reactions.



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