Dr. Andreana Group Meeting: Problem Set 5/3/19

(Credit: Dr. Fukuyama Problem Sets)

A. M. Echavarren et al. Org. Lett. 6, 3191 (2004)

HO TMS
$$\begin{array}{c} \text{1) PhSCl, Et}_{3}N \\ \text{THF, -78 °C} \\ \hline \\ \text{2) } \text{ m-CPBA} \\ \text{CH}_{2}\text{Cl}_{2}, 0 °C \\ \hline \\ \text{85\% (2 steps)} \end{array} \quad \begin{array}{c} \text{cat. } [\text{RhCl}(\text{CO})\text{dppp}]_{2} \\ \text{CO (1 atm)} \\ \hline \\ \text{toluene} \\ \text{reflux} \\ \hline \\ \text{TMS} \\ \hline \end{array}$$

C. Murai et al. J. Org. Chem. 68, 1376 (2003)

H. M. L. Davies et al. J. Org. Chem. 65, 4261 (2000)

John L Wood et al., J. Am. Chem. Soc., 117, 10413 (1995)