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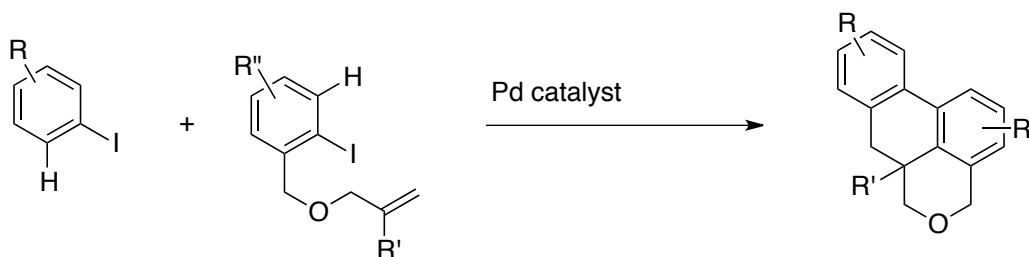
IL06 – C-H Activation: From the Catellani Reaction to Carbohalogenation and Beyond

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We have been interested in developing C–H activations since the seminal report of *ortho* C–H functionalization of aryl halides by Catellani.¹ Our objective has been to explore the synthetic utility of this reaction as a way to make novel carbocycles and heterocycles.² From this study evolved an interest in reversible oxidative addition and the discovery of the carboiodination reaction.³ This lecture will focus on showing a link between these two reactions and the discovery of new carbocyclization-C–H functionalization process.⁴



References

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3. Petrone, D.A. ; Le, C.M. ; Newman, S.G. ; Lautens, M. *RSC Catalysis Series: New Trends in Cross Coupling*, Colacot, T.J. Ed. 2015, 276-321.
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