



Université de Montréal, Montréal, QC, Canada

THIRD INTERNATIONAL SYMPOSIUM
ON C-H ACTIVATION

May 30 – June 2, 2016

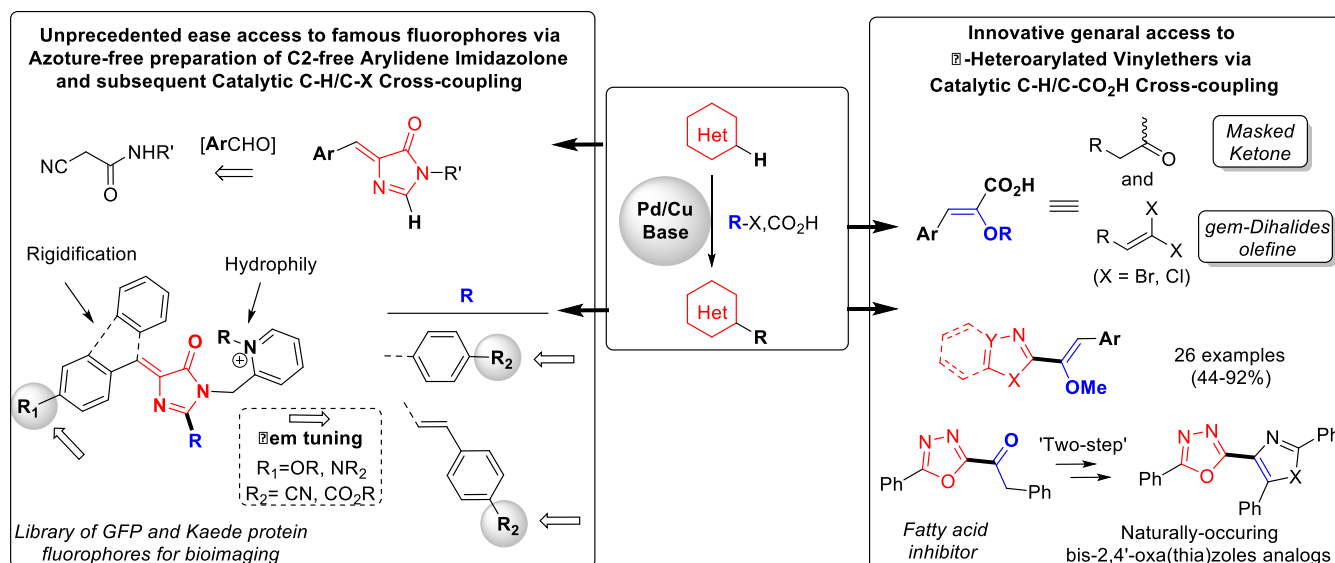
OR17 – Functional and Structural Diversity in Catalytic C–H Functionalization:
Progress with α -alkoxylated Cinnamic Acids and Arylidene Imidazolones

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The two past decades have seen the establishment of several synthetic methodologies of transition metal-catalysed direct C–H bond functionalization of major classes of heterocycles and dedicated mainly to standard substitutions. This young field of chemistry goes now to a second phase of maturing towards structural and functional diversity to meet directly a strong echo in natural product, pharmaceutical and material sciences. In this context, α -alkoxylated cinnamic acids and 4,4'-arylidene imidazolones have been evaluated to propose original access towards heteroarylated vinyl ethers¹ as well as famous GFP and Kaede protein fluorophores.^{2,3}



References

1. Unpublished results from thesis intitled: 'Decarboxylative catalytic cross-coupling of picolinic and cinnamic acids', Rouchet, J.-B.; Sept.29th 2015.
2. Muselli, M.; Baudequin, C.; Hoarau C., Bischoff L. *Chem. Commun.* **2015**, 745.
3. Muselli, M.; Baudequin, C.; Perrio, C.; Hoarau, C.; Bischoff, L. *Chem. Eur. J.* **2016**, 22, 5520.