

# Ring Construction via Palladium(0)-Catalyzed C–H Activation

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Intense research efforts from our group in the past couple of decades have been dedicated to the functionalization of non-activated C(sp<sup>3</sup>)-H and C(sp<sup>2</sup>)-H bonds using catalysis by palladium(0) complexes.<sup>1</sup>



This lecture will present some of the most recent aspects of this chemistry, for instance enantioselective reactions using different types of chiral catalysts,<sup>2</sup> remote bond formation using the 1,4-Pd shift strategy,<sup>3</sup> and applications in natural product synthesis.<sup>4</sup>

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