

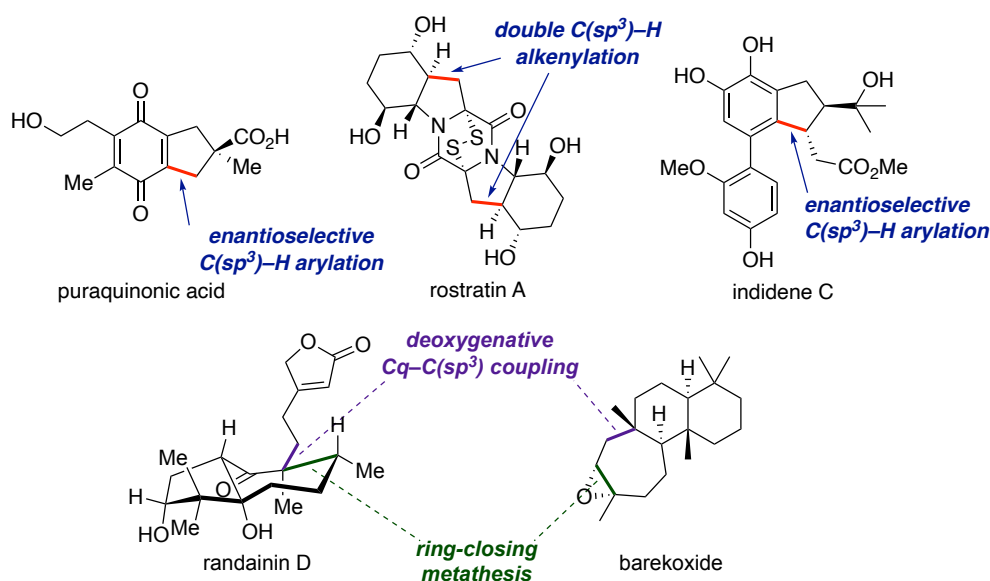
Pd⁰-catalyzed C(sp³)–H activation: applications in natural product synthesis

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In the past years, significant research efforts of our group have been dedicated to the development of new methods to functionalize non-activated C(sp³)–H bonds using palladium(0) catalysis,^[1] and their application to the synthesis of complex functional molecules.

This lecture will focus on (more or less successful) applications to the synthesis of natural products.^[2]



References

- [1] Reviews: (a) O. Baudoin, *Acc. Chem. Res.* **2017**, *50*, 1114. (b) O. Vyhivskyi, A. Kudashev, T. Miyakoshi, O. Baudoin, *Chem. Eur. J.* **2021**, *27*, 1231.
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Short CV: Olivier Baudoin obtained his PhD degree in 1998 under the supervision of Prof. J.-M. Lehn and Dr. M.-P. Teulade-Fichou at Collège de France, Paris. After a post-doc with K. C. Nicolaou at the Scripps Research Institute, La Jolla (USA), he was hired as CNRS permanent researcher at the Institut de Chimie des Substances Naturelles (France), where he became a group leader in 2004. In 2006, he was appointed as Professor at the University of Lyon and since 2015 he has been a Full Professor at the University of Basel (Switzerland). He has been serving as head of the chemistry department from 2021-25. He received the CNRS Bronze Medal in 2005, the Young Professor Award from the French Chemical Society, Organic Chemistry Division in 2010, and was a

Junior Member of the Institut Universitaire de France from 2009-2014. His current research focuses on the development of new methods for the functionalization of C–H bonds and their application to the synthesis of complex functional molecules.