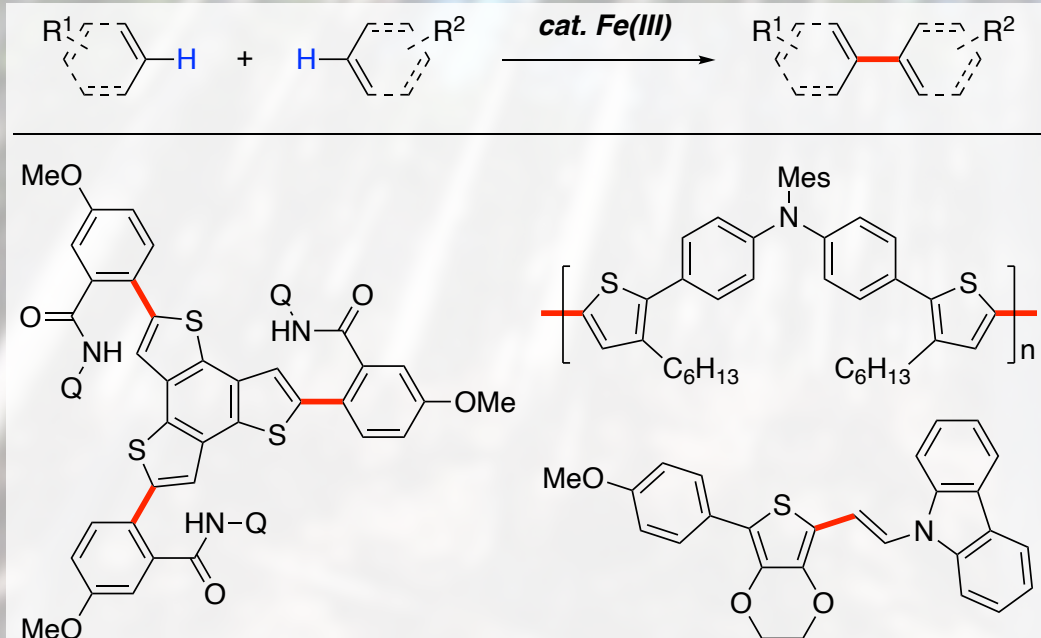


日時：2022年9月22日(木)15:00-16:00 場所：本館N棟5階N531C

“Iron-Catalyzed C-H/C-H Coupling for Synthesis of Functional Small Molecules and Polymers”

鉄触媒C-H/C-Hカップリングによる機能性低分子及び高分子の合成

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Transition-metal-catalyzed C(sp²)-H/C(sp²)-H coupling has attracted much attention as one of the most straightforward methods to construct C(sp²)-C(sp²) bonds. However, the application of this ideal transformation to the synthesis of functional small molecules and polymers was hindered by the low chemo- and regioselectivity, and the requirement of a strong oxidant for catalyst turnover. In this lecture, I will talk about the development of iron-catalyzed C-H activation reactions and demonstrate that iron-catalysis is beneficial for synthesizing a wide range of complex heteroarene-containing small molecules and polymers of interest in materials science.

連絡先：中村正治 (内3180)