

演題：**Moving Uphill in Energy Landscape by Mechanochemistry: From Coordination Self-Assembly to Radical Chemistry**

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日時：2024年2月5日（月）16:30~18:00

場所：フロンティア応用科学研究棟 セミナー室2

共催：北海道大学化学反応創成研究拠点 (WPI-ICReDD)

要旨：

Employing mechanical force in organic transformations is nothing new; instead, this crude approach has been considered one of the oldest techniques in synthetic chemistry. Recently, mechanochemistry has made a comeback due to the increased interest in developing more sustainable ways of doing chemistry. Despite that, most ball-milling examples emphasize the rate-acceleration aspect. The unique selectivity and mechanical force-specific reactivity aspect are much less discussed. In this talk, I will discuss our recent progress in the area of coordination self-assembly and radical chemistry by employing mechanochemical approaches to carry out “moving uphill reactions” that are difficult with traditional solution-based reaction settings.

本講演は、大学院総合化学院『化学研究先端講義（修士課程選択科目）／総合化学特別研究第二（博士後期課程選択科目）』の一部として認定されています。

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