

演題：**Mechanistic Understanding-Led Transition  
Metal Catalyzed C-H Functionalization**

講師：**Prof. Igor Larrosa**

The University of Manchester, the U.K.



日時：2023年3月9日（木）16:30~18:00

場所：フロンティア応用科学研究棟 2階セミナー室2

要旨：

The development of greener and more efficient synthetic methodologies is essential for organic chemistry to reach its full potential in its application to many applied and fundamental scientific problems. Over the last two decades C-H activation has emerged as a powerful tool to streamline syntheses, functionalize complex scaffolds, while massively improving atom and step economy.

In this talk I will present some of our group's approaches in applying the knowledge derived from mechanistic studies into the design of more efficient processes and of novel catalysts and catalytic systems, such as the use of bimetallic Pd/Ag, Pd/Cr and Au/Ag synergistic systems, and Ru-catalysts for late-stage functionalization. Additionally, recent developments in the application of machine learning to mechanism elucidation will be discussed.

主催：北海道大学工学研究院 フロンティア化学教育研究センター

共催：北海道大学化学反応創成研究拠点 (ICReDD)

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