

化学科講演会のお知らせ

講演題目： Chemical Photosynthesis-
towards ideal chemical
transformations

講師： Professor Burkhard König
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日時： 6月14日(水) 15時30分より

場所： 南7号館 101号室

講演概要： Ideal chemical transformations in terms of green and sustainable chemistry convert abundant, low energy starting materials into high value products without losing a single atom. Light-driven catalysis offers tools for such reactions. We discuss in the lecture key photocatalytic principles and how they can be applied to redox-neutral reactions, such as C-H carboxylations of alkanes and arenes with carbon dioxide. Cross-coupling reactions are another very important class of reactions in chemical synthesis, which benefit from light in terms of efficiency and predictability. Current scope and limitations are shown and a perspective is given where the use of light may lead to better catalysis.

問い合わせは秋山まで