

# 化学科講演会のお知らせ

講演題目：Molecular Transformation by Main Group Metal Hydrides

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日時： 2019年 5月 22日 (水)  
午後 3時 30分 より

場所： 南7号館 7階 セミナー室

## Abstract:

This talk will highlight a series of molecular transformations enabled by NaH in the presence of LiI or NaI. The NaH-iodide composite performs hydride reduction of nitriles and amides, which deliver the corresponding alkanes (via decyanation) and aldehydes, respectively. The composite also showed unique reactivity toward hydrodehalogenation of haloarenes, hydrodearylation of arylphosphine oxides and amide-directed C-H sodiation as well as nucleophilic amination of methoxyarenes. This remarkably simple protocol installs unprecedented and unique chemical reactivity onto NaH. Reactivity of other main group metal hydrides will also be discussed.

問い合わせは草間まで