

講演会のお知らせ

講師：Prof. Gwenael Rapenne

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Technomimetic Nanomachines: Molecular wheels, vehicles, rotors and motors



日時：1月12日（金）13:30 – 14:30

場所：3号館3300号室

In the macroscopic world, the movement of rotation is at the source of many examples of machines. Advances in the imaging and manipulation of single molecules has stimulated much interest in the synthesis of molecules exhibiting unique mechanical properties. Technomimetic molecules are molecules designed to imitate macroscopic objects at the molecular level, also transposing the motions that these objects are able to undergo. In this presentation will be presented the preparation and single-molecule study of molecular vehicles capable to transport a cargo and unidirectional molecular motor with a possibility to reverse at will the rotation.

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