

第25回錯体物性化学講演会

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多重安定性のクラスター錯体やヘテロポリ酸の研究で顕著な業績をあげている Graham Newton 博士 (University of Nottingham) をお招きして、講演会を開催いたします。
皆さまのご来聴をお待ち申し上げます。

日時：2019年7月18日(木) 15:30 ~ 17:30

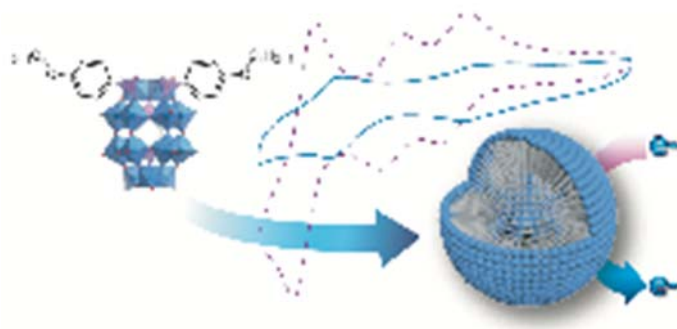
場所：ウエスト1号館 B-314号室

講演タイトル：

The Electronic Properties of Molecular Metal Oxide-based Redox Materials

Abstract: Molecular metal oxides or polyoxometalates (POMs) are characterised in large part by their rich redox and photo-chemistry, leading to applications in catalysis, nano-scale electronics and magnetism. They can be organofunctionalised to form organic-inorganic hybrid systems with new synergic properties.

Our group recently showed how the electronic structure and photo-catalytic performance of organic-inorganic hybrid POMs can be tuned through simple manipulation of the appended organic moieties. Here, recent findings on the tuneable redox properties, photochemistry and supramolecular assembly of hybrid molecular metal oxides will be discussed with particular focus on their application as additives in new functional materials.



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