

「フロンティア機能性物質創製センター」 オープンセミナーのご案内

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「フロンティア機能性物質創製センター」では、オープンセミナーを開催しております。第21回は、Narcis Avarvari 先生(Directeur de Recherches, CNRS) にご講演をお願いしました。多くの方々のご来聴をお待ちしています。

兵庫県立大学「フロンティア機能性物質創製センター」
オープンセミナー(第21回)

講師 : Narcis Avarvari
(Université d'Angers, France)

“Strategies towards Chiral Molecular Materials”

Introduction of chirality into conducting systems is a topic of much current interest as it allows the preparation of multifunctional materials in which the chirality may modulate the structural disorder or show its influence through the electrical magneto-chiral anisotropy (eMChA) effect. The access to various chiral electroactive precursors for molecular conductors is therefore of paramount importance.

One of the strategies we have been developing over the last years consists in using chiral methylated TTF (tetrathiafulvalene) derivatives in electrocrystallization experiments with the aim of trapping them in radical cation salts under different oxidation stages together with an appropriate anion. Investigations of the structural features and conducting properties of complete series of radical cation salts (enantiopure and racemic forms) of these families of derivatives will be presented, together with a second family of chiral materials based on metal dithiolene complexes. A special attention will be given to the interplay between chirality and conductivity.

A second family of chiral precursors we will discuss present helical chirality provided by helicene units.

日時 : 2017 年 1 月 25 日 (水曜日)

17:00 ~ 18:00

場所 : 兵庫県立大学理学部

研究棟 7F 談話室 (739 号室)