

# 特別講演会のお知らせ



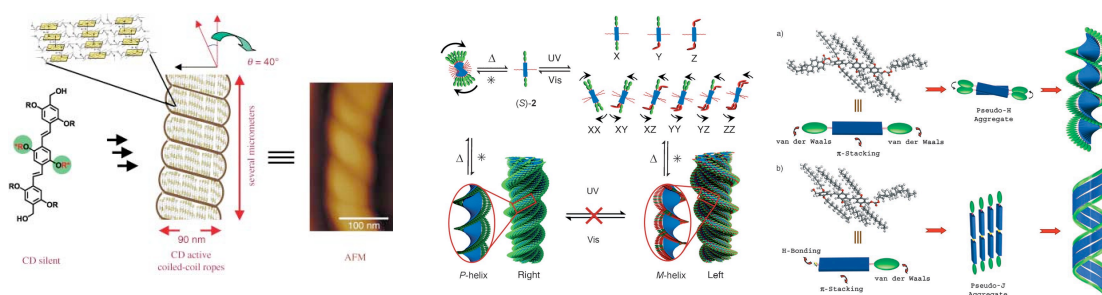
講師：Prof. Ayyappanpillai Ajayaghosh  
(National Institute for Interdisciplinary  
Science and Technology, India)

演題：“Chirality Amplification and Helicity Manipulation in  $\pi$ -Gelators”

日時：平成 25 年 10 月 25 日 (金) 10:30～

場所：理学部 E211 講義室

The elegance and complexity of natural homochiral architectures has inspired chemists to explore noncovalent interactions between chiral building blocks to form a variety of aesthetically appealing but functionality complex supramolecular architectures. The point chirality of molecular building blocks and polymers can be amplified as supramolecular helicity through the “sergeant and soldiers” approach. We have earlier shown that gelation has significant influence on supramolecular chirality. We could also demonstrate the helicity manipulation in supramolecular tapes by a rational structural modification of  $\pi$ -gelators. Chiral amplification is also achieved in a functional dye assembly by cation complexation. Very recently we have shown light induced reversible inversion of supramolecular handedness in a self-assembled  $\pi$ -system. This lecture will focus on supramolecular control of helicity in self-assembled  $\pi$ -systems and gelators.



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