

# 第 17 回錯体物性化学講演会

## Dr. Elisa María Barea Martínez

University of Granada, Spain

多孔性配位高分子を用いた環境浄化やドラッグデリバリーへの応用を精力的に研究されている Elisa María Barea Martínez 博士 (Univ. of Granada, Spain) 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。



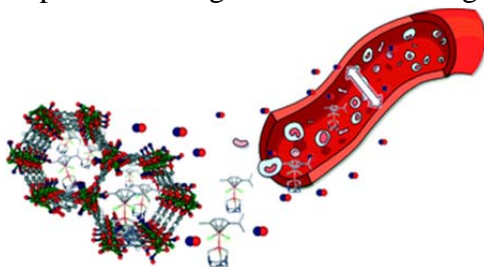
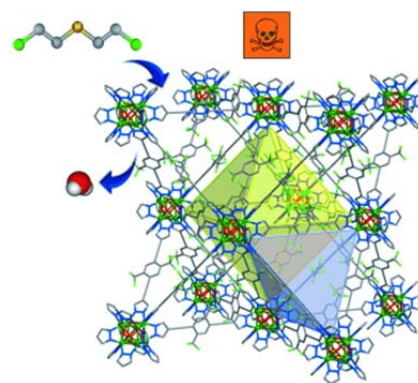
日時 : 2015 年 6 月 19 日 (金) 16:30 ~ 17:45

場所 : 理学部 2 号館 2 階 化学第三講義室

講演タイトル :

### Porous Coordination Polymers: from Environmental Remediation to Biomedical Applications

**Abstract:** Porous coordination polymers (PCPs) consist of metal ions/clusters connected by organic spacers to give rise to the formation of open crystalline networks through a self-assembly process. Thanks to their open structures, PCPs can act as hosts of a variety of guest molecules. In this seminar, the versatility of PCPs will be shown presenting examples of their application in two areas of high social impact. The first one regards the use of PCPs for the capture and degradation of toxic gases and vapors (i. e. models of warfare agents), which might



be of interest for the development of protective self-cleaning materials. The second area concerns the use of PCPs as carriers of non conventional Ru-based anticancer metallodrugs, with the aim of developing more efficient anticancer therapies.

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