

講演会のお知らせ

フランス CNRS の Alberto Bianco 博士の講演会を開催いたします。

Bianco 博士はカーボンナノチューブ等のナノカーボンを機能化し、医療診断や治療への応用を進めておられ、この分野の世界の第一人者です。皆様のご来聴をお待ちしております。

開催日時：2010年7月25日（水曜日）13:30～15:00

開催場所：多元物質科学研究所 東2号館2階セミナー室（旧 反応研棟2号館）

演題：Chemistry on carbon nanotubes for materials science and biomedical applications

講演者：Alberto Bianco 博士（CNRS, Institut de Biologie Moleculaire et Cellulaire, Laboratoire d' Immunologie et Chimie Therapeutiques）

The combination of the mechanical, thermal, chemical and electronic properties makes carbon nanotubes unique materials in nanoscience and nanotechnology. In addition, they are emerging as a new material for wide range of applications in the biomedical domain and in nanomedicine. One major concern related to the extreme difficulty to manipulate this material due to the insolubility in all types of solvents, particularly in aqueous solutions, has been solved. In this presentation we will describe the functionalization and biomedical applications of carbon nanotubes loaded with different therapeutic agents. We will also address the critical issue of their potential toxic effects and their biodegradability. Finally, we will discuss our recent development of nucleobase-modified carbon nanotubes for heterogeneous catalysis.

連絡先

京谷 隆

〒980-8577 仙台市青葉区片平 2-1-1

東北大学多元物質科学研究所

電話 022-217-5625、FAX 022-217-5626

<http://www.tagen.tohoku.ac.jp/labo/kyotani/>