



演題：**Buckyball for photodynamic therapy (PDT)
and magnetic resonance imaging (MRI)
application**

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場所：フロンティア応用科学研究棟
セミナー室2



要旨：

Due to their unique physicochemical properties such as photosensitivity and metal encapsulation, application of fullerenes as drugs in photodynamic therapy (PDT) and magnetic resonance imaging (MRI) attracted sufficient attentions in last decades. In the use of fullerenes for biological systems *in vitro* and *in vivo*, preparation of water-soluble materials is crucial because of their extremely hydrophobic carbon core. The preparation of biocompatible fullerene materials by complexation or conjugation with non-toxic polymer, poly(vinylpyrrolidone) (PVP) and their properties will be presented.

本講演は、大学院総合化学院『化学研究先端講義（修士課程選択科目）／総合化学特別研究第二（博士後期課程選択科目）』の一部として認定されています。

連絡先：工学研究院応用化学部門 伊藤 肇（内線：6561）