Frontier Chemistry Center
フロンティア化学教育研究センター 講演会

演 題：**Ruthenium complex-based optical sensors for biologically important species**

講 師：**Prof. Ke-Zhi Wang**

College of Chemistry, Beijing Normal University

日 時：2014 年 7 月 7 日（月）13:30~14:30

場 所：理学部本館　N－308

共 催：フロンティア科学教育研究センター

要 旨：

Polypyridyl Ru(II) complexes have attracted much interest as optical sensors for biologically important inorganic cations including proton and anions as well as biomacromolecules such as DNA due to their highly tunable ground- and excited-state optical and redox properties. In this lecture, the general mechanisms of optical sensors are briefly introduced, followed by the research advances on applications of the Ru(II) complexes developed in Prof. Wang's group and in other research groups for above-mentioned areas, and finally by pH-induced photocurrent switching in dinuclear Ru(II) complex-based chemically modified electrodes.

本講演は、大学院総合化学院『化学研究先端講義／総合化学特別研究第二』の一部として認定されています。

連絡先：理学研究院化学部門錯体化学研究室

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