

化学講演会のお知らせ

2010年9月21日（火）

午後4時より

F棟大会議室にて

Speaker:

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共生科学研究センターセミナー

KYOUSEI Science Center Seminar

Title: Metal complexes of sugar bearing ligands - synthesis and characterization

Carbohydrates are of primary importance as energy sources. Due to the properties inherent to this class of molecules they are of increasing interest for the preparation of bioactive materials and better targeted drugs. One approach is to functionalize complexes of active metal ions in their periphery with sugar moieties in order to increase solubility, biocompatibility, bioactivity, selectivity in biological systems and to achieve new properties.^[1] For these reasons new synthesis pathways towards sugar substituted ligands have to be developed. The shape of the ligand strongly depends on the nature of the complexed metal ion and the desired biological/medicinal application.

[1] M. Gottschaldt, U. S. Schubert, *Chem. Eur. J.* **2009**, *15*, 1548-1557.

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