

総合研究院 赤外自由電子レーザー 研究センター&キラリティ研究センターセミナー

日時：平成27年7月17日(金) 14:30 ~ 16:00

場所：東京理科大学森戸記念館 2階第3会議室

講師：Prof. Yunjie Xu (Department of Chemistry, University of Alberta)

Title：Spectral Signatures of Chirality, Chirality Recognition, and Chirality Transfer

Abstract

Chirality, or “handedness”, is an intrinsic property of most biological molecules, and chirality recognition events are at the heart of many biological functions. [The lecture focuses on applying and developing new spectroscopic tools to determine chirality and to establish chirality recognition models at the molecular level.](#) The following three topics will be discussed.

1. High resolution spectroscopic studies of chirality recognition in several chiral contact pairs.
2. Recent VCD results on chiral amine borane complexes in solution.
3. The water hydrogen-bonding network surrounding a chiral molecule.

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