

シンポジウム概要

「高度な安定同位体標識が拓く NMR 技術の展開」

The expansion of NMR spectroscopy by elaborated stable isotope labeling

The stable isotope labeling technique is critical to maximize the structural information obtained by an NMR experiment and to overcome the detection limit posed by the intrinsic low-sensitivity of the NMR spectroscopy. Thus the development of an elaborated stable isotope labeling technique plays a crucial role in advanced NMR studies such as structural analysis of large molecular proteins, drug development, metabolome analysis and molecular imaging.

In this symposium, we will introduce various sample preparation methods and its latest applications to discuss how does stable isotope labeling can contribute to the expansion of NMR spectroscopy.