

NanoLSI Interdisciplinary Fusion Seminar

**“Fabrication of electrochemical sensors using enzymes, supermolecules and organocatalysts”**

Various types of electrochemical sensors have been developed for a very wide range of analysis, including in vivo monitoring of blood compounds, regulation of industrial processes, biotechnology, food quality control, and environmental monitoring. Especially, amperometric enzyme based biosensors have been widely used because they allow high selectivity, high sensitivity, and high temporal resolution measurement. However, enzymes are usually unstable and their quality is difficult to standardize. Hence non-enzymatic device sensors have also been developed using supermolecules (inclusion compounds), phenylboronic acid derivatives and organocatalysts (nitroxyl radicals).

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Date and Time

3:00-4:00 PM, Monday, March 26, 2018

Venue

102 lecture room,  
1F Natural Science and Technology Main Hall