



MMC/79th Engineering in Medicine
and Biology Seminar

MMC/第79回工学とバイオセミナー

Professor Ling Chao

National Taiwan University

Cell Membrane Sheets for Biosensor Applications

First, we present a spatially resolving graphene electrode system capable of simultaneously measuring ligand binding and membrane transporter activity with high sensitivity. Second, we employ plasmon resonance-enhanced Raman spectroscopy to detect toxin binding to the cell membrane. Together, these advancements pave the way for more precise, label-free investigations of membrane associated biomolecules in complex biological environments.

August 19, 2025
17:00 - 18:00

Room: Dw 601

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