



59th Engineering in Medicine and Biology Seminar

第59回工学とバイオセミナー

A Membrane-expanding Molecular Machine
Triggering Endocytosis and Virus Encapsulation for
in vivo Delivery

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A visible light-responsive synthetic molecular machine, AzoMEx, has been developed. AzoMEx triggers membrane expansion and endocytosis-like membrane fission upon light irradiation. The membrane fission enables virus encapsulation into the vesicles, and we successfully demonstrate virus delivery to the whole body in vivo using the vesicles.

November 17, 2023

11:00 - 12:00

Room: As 303

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