

Functional supramolecular channel in the biomembrane

Dr. Kohei Sato (Tokyo Tech. School of Life Science and Technology)



Membrane proteins that transport ions and molecules across cellular membranes play essential roles in various biological events, such as signal transductions and energy conversions. To mimic their structures and functions, our research group has developed a series of amphiphilic molecules that can self-assemble within the hydrophobic layer of the biomembrane and form supramolecular transmembrane channels. More recently, we have discovered that aromatic fluorination of such amphiphiles can expand their material transport properties and response to external stimuli.

Jan. 20 (Fri.) 16:00 ~ 17:00

@FS CREATION Mitsui Link-Lab KASHIWANOHA 1

Contact: Risa Ebihara (ebihara-risa642@g.ecc.u-tokyo.ac.jp)