

An IPR seminar series supported by  
WPI-PRIME and ASPIRE



## BioSim Talk #9

Ai Niitsu, PhD.

Team Leader,  
Laboratory for Dynamic Biomolecule Design,  
RIKEN Center for Biosystems Dynamics Research

December 6th 2024 (Fri)

4.00 – 5.30 pm

Institute for Protein Research  
Osaka U. (Suita Campus)  
2nd floor conference room (#202)

### ***De Novo Membrane Peptide and Protein Design: Bridging Classical and Modern Strategies***

The history of de novo membrane protein design dates back approximately four decades, beginning with the design of transmembrane peptide bundles. Although still considered to be in its infancy, this field has made significant progress. This presentation will introduce the achievements to date and discuss the challenges that lie ahead in designing artificial membrane proteins. Furthermore, strategies for creating unprecedented functions and their applications will also be explored and discussed.

Link for online participation via Zoom:

Meeting ID: 845 7039 1211

Passcode: 578480

Please inform us if you will be participating online or joining our slack  
[sandhyatiwari@protein.osaka-u.ac.jp](mailto:sandhyatiwari@protein.osaka-u.ac.jp), [shinobu.ai.prime@osaka-u.ac.jp](mailto:shinobu.ai.prime@osaka-u.ac.jp)

