S36-1 Observation of Membrane Dynamics Induced by a Catalytic Dehydrocondensation at Water-Lipid Interfaces Ohirovuki TANAKA¹. Munetaka KUNISHIMA¹

¹Faculty of Pharmaceutical Sciences, Institute of Medical, Pharmaceutical, and Health Sciences, Kanazawa University

Unusual rate enhancement of bimolecular dehydrocondensation to form amides was observed by using the

combination of 2-chloro-4,6-dimethoxy-1,3,5-triazine (CDMT) and a tertiary amine catalyst at the interfaces of micelles. The rate enhancement in micelles was 2000 times higher than that in water, which originated from the micellar effects (preorientational effect and local concentration effect). (1)

We report here formation of giant liposomes (GUVs) from small unilamellar vesicles (SUVs) via membrane fusions. The spontaneous membrane fusion is induced by a chemical synthesis of ceramides 3 (cone-shape malegyles) from sphingesines 1 and fetty saids 2 (inverted cape, or cylindrical shape melegyles) et a synthesis of

