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How Phospholipid Diffusion Depends on the Presence of Alpha-Hemolysin Pores and Adsorbed DNA MO JIANG, BO WANG, SUNG CHUL BAE, STEVE GRANICK, University of Illinois, Urbana-Champaign — Building on our recent finding that the adsorption of a flexible macromolecule to a supported phospholipid bilayer produces spots of different lipid heterogeneity even in bilayers comprised of one single type of phospholipid, investigations are now reported regarding DNA and also a pore-forming protein, bacterial streptolysin. The larger question is to understand how macromolecules of bio-significance with specific macroscopic geometric structures affect phospholipid mobility.

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