Supporting Information

Self-Assembling in Fabrication of Ordered Porphyrins and Phthalocyanines Hybrid Nano-Arrays on HOPG

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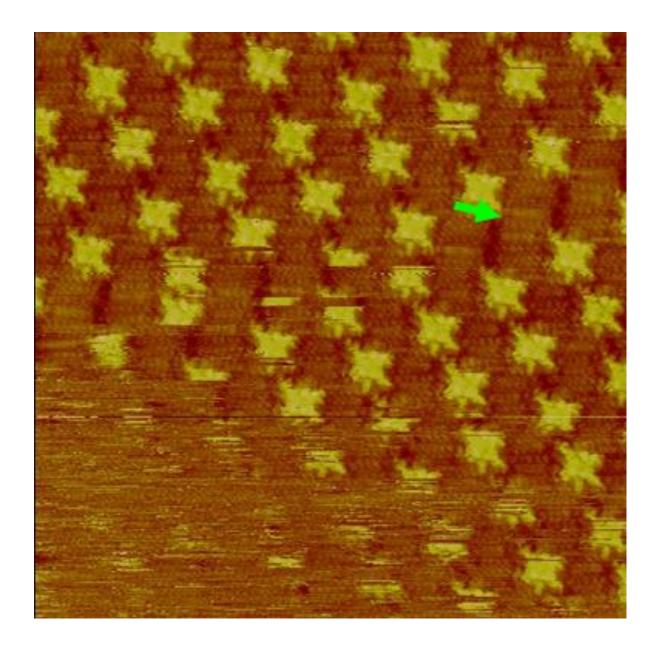


Figure S1. A high resolution STM image (21 nm \times 21 nm, I = 391 pA, V = -702 mV) of P14/tetradecane binary structure. A green arrow directs tetradecane molecules, which are co-adsorbed in the P14 nano structures.

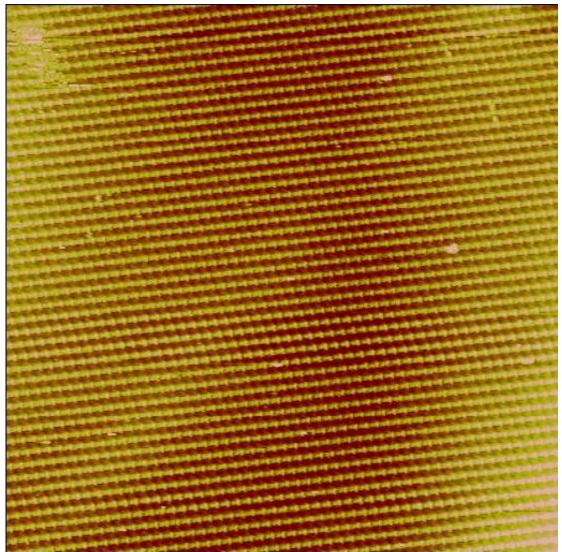


Figure S2. A large-area STM image (158 nm \times 158 nm, I = 348 pA, V = -700 mV) of P14/Pc/tetradecane monolayers physisorbed at the tetradecane/HOPG interface after annealing at 60°C.

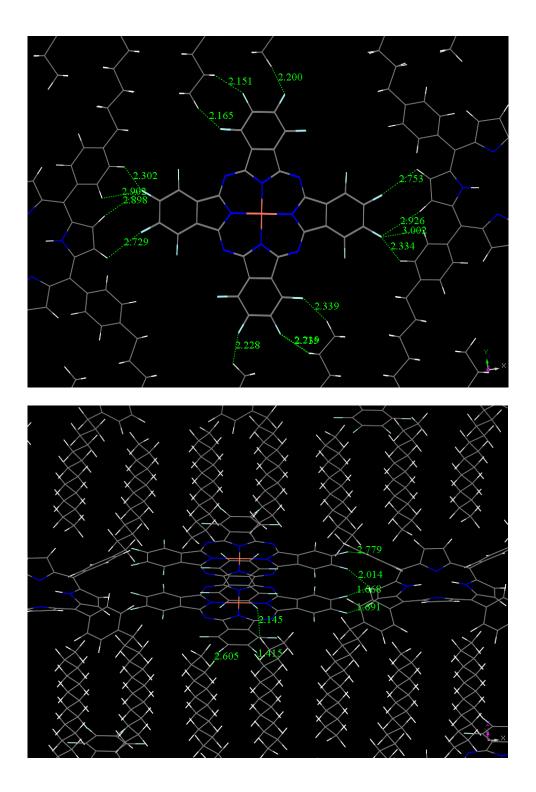


Figure S3. a) The top view image of the simulation of the P14/FPc bilayer structure. (b) The side view image of the simulation of the P14/FPc bilayer structure.

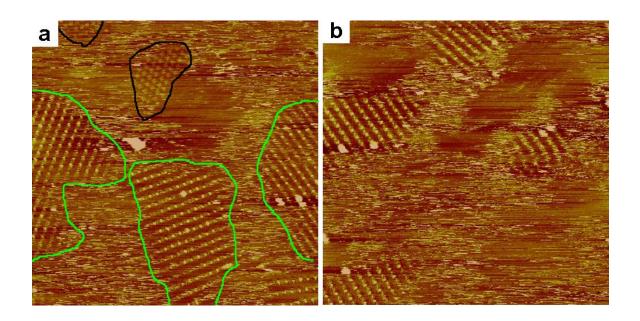


Figure S4. (a) An STM image (120 nm \times 120 nm, I = 253 pA, V = 690 mV) of P14/F16CuPc/tetradecane and P14 /tetradecane architectures co-selfassemble on surface at the P14: F16CuPc = 3 : 1. The P14/F16CuPc/tetradecane architectures are marked by green lines and P14 /tetradecane architectures are marked by black lines. (b) An STM image (103 nm \times 103 nm, I = 186 pA, V = 189 mV) of P14/F16CuPc/tetradecane architectures selfassemble on surface at the P14: F16CuPc = 1 : 5.