

Electronic Supplementary Information

Supramolecular Control of Structure and Receptor Properties of an Amphiphilic Hemicyanine Chromoionophore Monolayer at the Air/Water Interface

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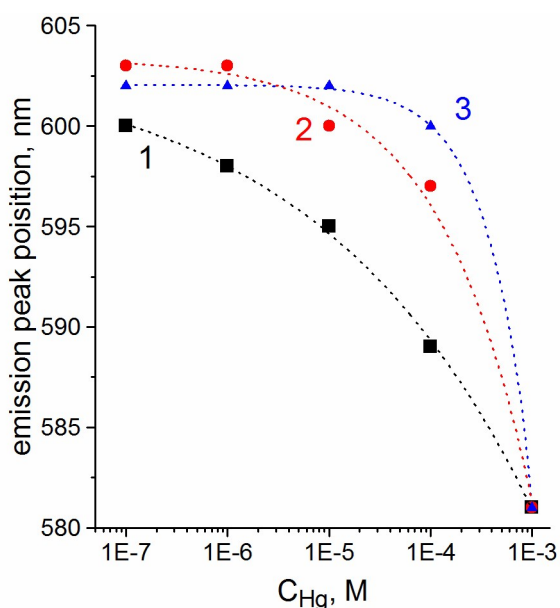


Fig. S1. Dependence of the HCS monolayer emission peak position on the amount of analyte in the subphase upon excitation at the wavelength of (1) 480, (2) 430, and (3) 370 nm, which correspond to free-form HCS, 2:1 HCS:Hg complex, and 1:1 HCS:Hg complex, respectively. The dotted lines are provided only to guide the line and have no physical meaning.

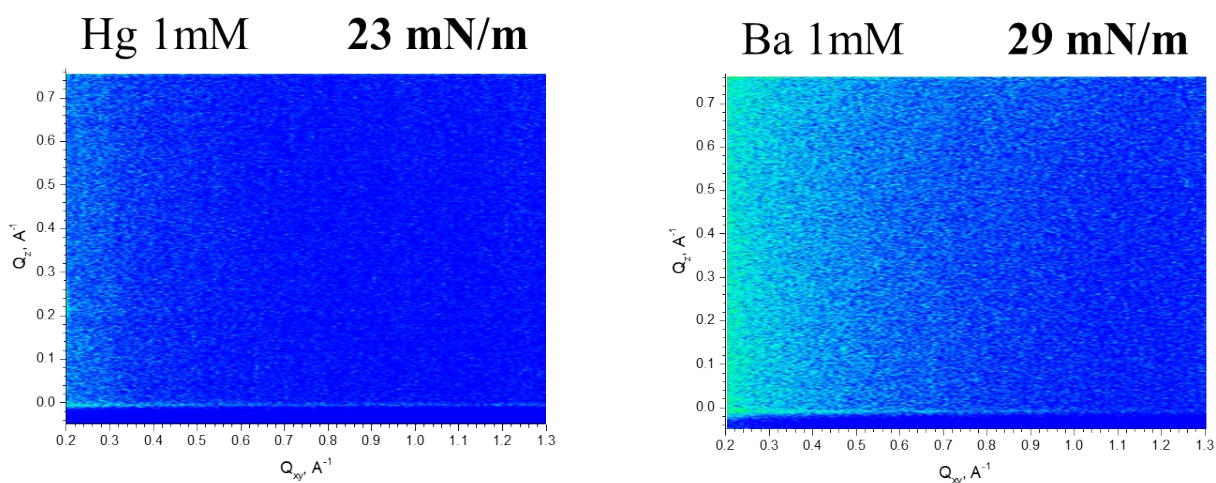


Fig. S2. GIXD patterns obtained from severely compressed HCS monolayers formed on Hg and Ba containing subphases, showing lack of crystalline ordering in the system.