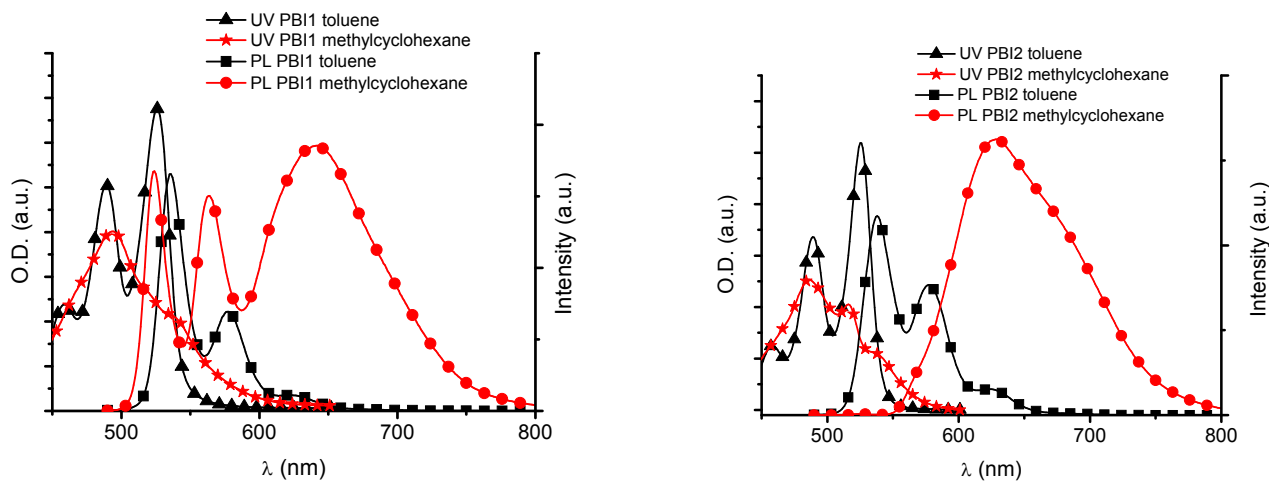


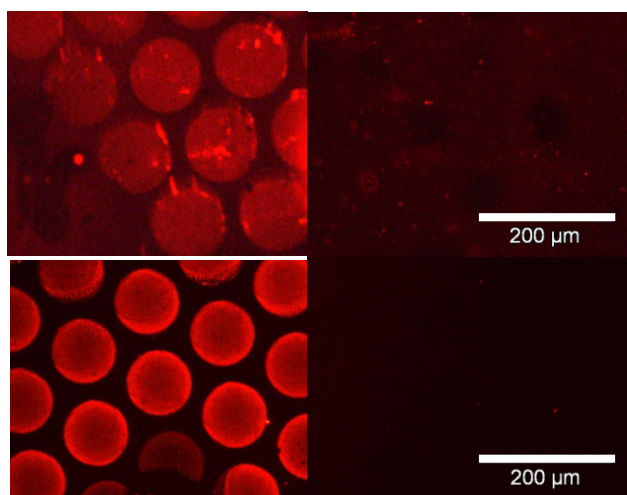
## Supporting Information to:

### Patterning Perylenes onto Surfaces using Thiol-ene Chemistry

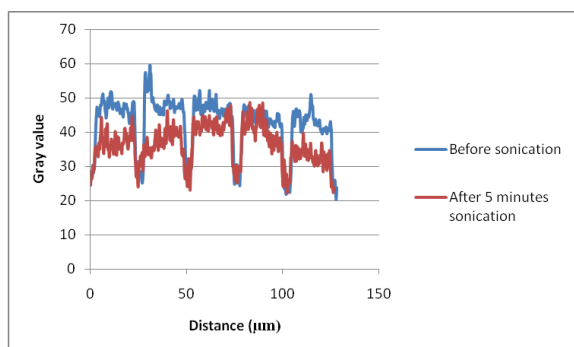
Dorothee Wasserberg, Tom Steentjes, Martijn H.W. Stopel, Christian Blum, Vinod Subramaniam, Pascal Jonkheijm



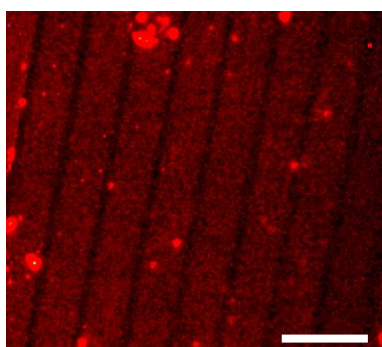
**Fig. S1** Left: UV/Vis absorption (triangles, stars) and fluorescence spectra (squares, dots) of **PBI1** molecularly dissolved in toluene (triangles, squares) and in methylcyclohexane, a “non-solvent” (stars, dots). Right: UV/Vis absorption (triangles, stars) and fluorescence spectra (squares, dots) of **PBI2** molecularly dissolved in toluene (triangles, squares) and in methylcyclohexane, a “non-solvent” (stars, dots).



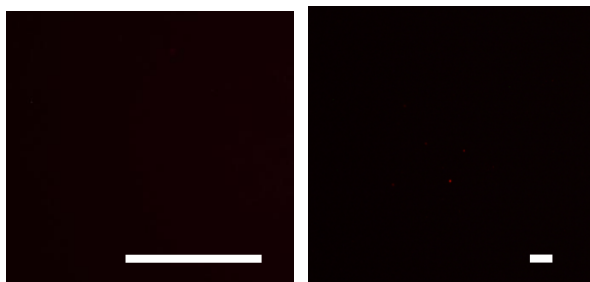
**Fig. S2** Top: Fluorescence micrographs of  $\mu$ CP dot-patterns printed on a piranha-cleaned thiol-free substrate using **PBI1** (50  $\mu$ M) as ink, irradiated for 20 minutes, before (left) and after (right) 20 minutes sonication in toluene (same exposure time). Bottom: Fluorescent micrographs of  $\mu$ CP dot-patterns printed on a thiol-functionalized substrate using **PBI2** (50  $\mu$ M) as ink, irradiated for 20 minutes, before (left) and after (right) 5 minutes sonication in toluene (same exposure time).



**Fig. S3** Fluorescence line profiles of the **PBI1** patterns before and after sonicating the surfaces in toluene. Patterns were fabricated using NIL, which were immersed in a 1 mM toluene solution of **PBI1** and irradiated for 20 min at 365 nm.



**Fig. S4** Fluorescent micrograph of **PBI1** immobilized on a thiol-functionalized NIL line-pattern (from a 1 mM solution) after 5 min irradiation and after 5 min sonication (60s exposure time). The white bar represents 25  $\mu\text{m}$ .



**Fig. S5** Left: Fluorescence micrograph of **PBI2** immobilized on thiol-functionalized NIL line-patterns on a substrate (1 mM, 20 min irradiation, 5 min sonication, 10 s exposure time). Right: Fluorescence micrograph of **PBI1** immobilized on thiol-functionalized NIL line-patterns on a substrate (1 mM, 5 min immersion without UV irradiation, 10s exposure time). White bars represent 50  $\mu\text{m}$ .