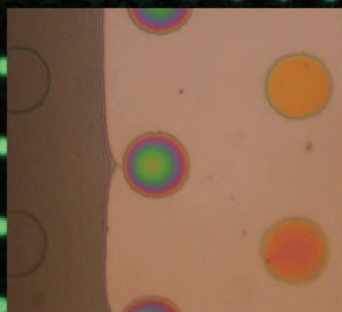
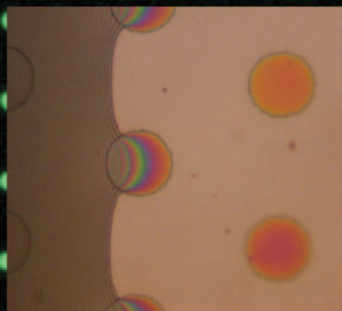
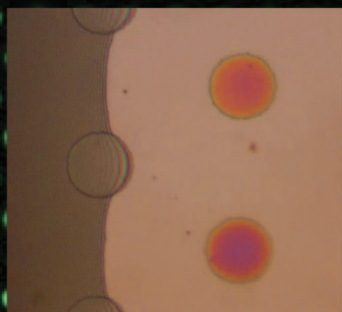


NANO MICRO

small

### Phospholipid patterns

By dragging a phospholipid solution on microstructured silicon surfaces, phospholipid molecules are selectively deposited inside the microstructures to obtain regular phospholipid multilayer patterns of controlled thickness over a large scale ( $\approx\text{cm}^2$ ). The generated patterns are used for the preparation of giant liposomes of controlled size with a narrow size distribution, and can be of great interest for the development of novel biosensors or cell-screening procedures. The method also promises to be applicable for high-fidelity patterning of various synthetic or biological molecules, such as proteins, drugs, conductive polymers, or antibodies.



14/2009

 WILEY-VCH

**Preparation of Phospholipid Multilayer Patterns of Controlled Size and Thickness by Capillary Assembly on a Microstructured Substrate**

D. Baigl et al.