



TECHNOLOGY

Programmable Selective Deposition of Biofunctional Polymer Surfaces

OVERVIEW

The ability to create devices such as biosensors, microarrays, and microelectromechanical systems (MEMS) requires facile methods to precisely control surfaces. Microfabrication techniques are routinely applied to create patterned inorganic surfaces with nanometer to micrometer scale resolution. However, traditional approaches such as photolithography, and microcontact printing have not proven particularly successful in bonding organic and biological materials to the patterned organic surfaces.

This invention is directed to methods for spatially and selectively depositing a polymer.

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Additional Information

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CATEGORIES

- Biomaterials
- Microfluidics

EXTERNAL RESOURCES

- [US Patent 7,790,010](#)

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