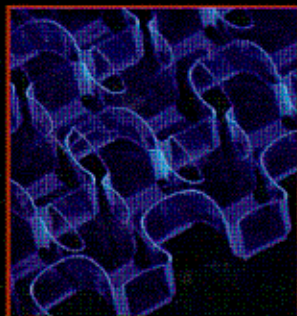


MICROPATTERNING IN CELL BIOLOGY

PART C



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Micropatterning in Cell Biology brings together leading experts to discuss the advances of this fascinating and influential field of research. Micropatterning refers generally to techniques which provide an experimental control over the chemical, physical or geometrical properties of materials at the micron or sub-micron scale, and are thus used to produce spatial patterns of these properties. These techniques, which were often originally designed for application in micro-electronics, have spread over most areas of science, including biology. Topics in this first part focuses upon micropatterning soft substrates and cell and tissue micropatterning in 3D.

KEY FEATURES

- Contributions from leading experts in the field of micropatterning
- Descriptions of new tools and applications for cell biology

Cover image showing lithographically patterned curved and folded self-assembled polymeric scaffolds. Image from reference [Jamal et al, Nature Communications 2:527, 1-6 (2011)]. Image credits: Mustapha Jamal (Gracias Laboratory, Johns Hopkins University).

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