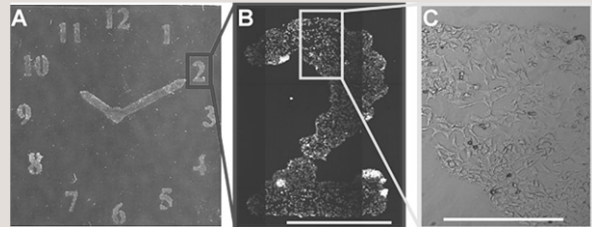


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*High-Throughput Screening for High Affinity Antibodies*

By Simon Tickle, Ralph Adams, Derek Brown, Meryn Griffiths, Daniel Lightwood and Alastair Lawson



Drug-testing technologies, biosensor fabrication, tissue engineering and basic biological research depend strongly on the patterning of live animal cells. Current techniques for controlling cellular adhesion are restricted with two primary limitations—the complexity of the available patterns is very limited, and the pallet of materials that induces cellular patterning is exhaustible. The authors of this manuscript demonstrate not only a new method for computer aided control of cell patterning, but a strategy for utilizing *in situ* polymerization for fabrication of polymeric patterns directly on-chip.

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