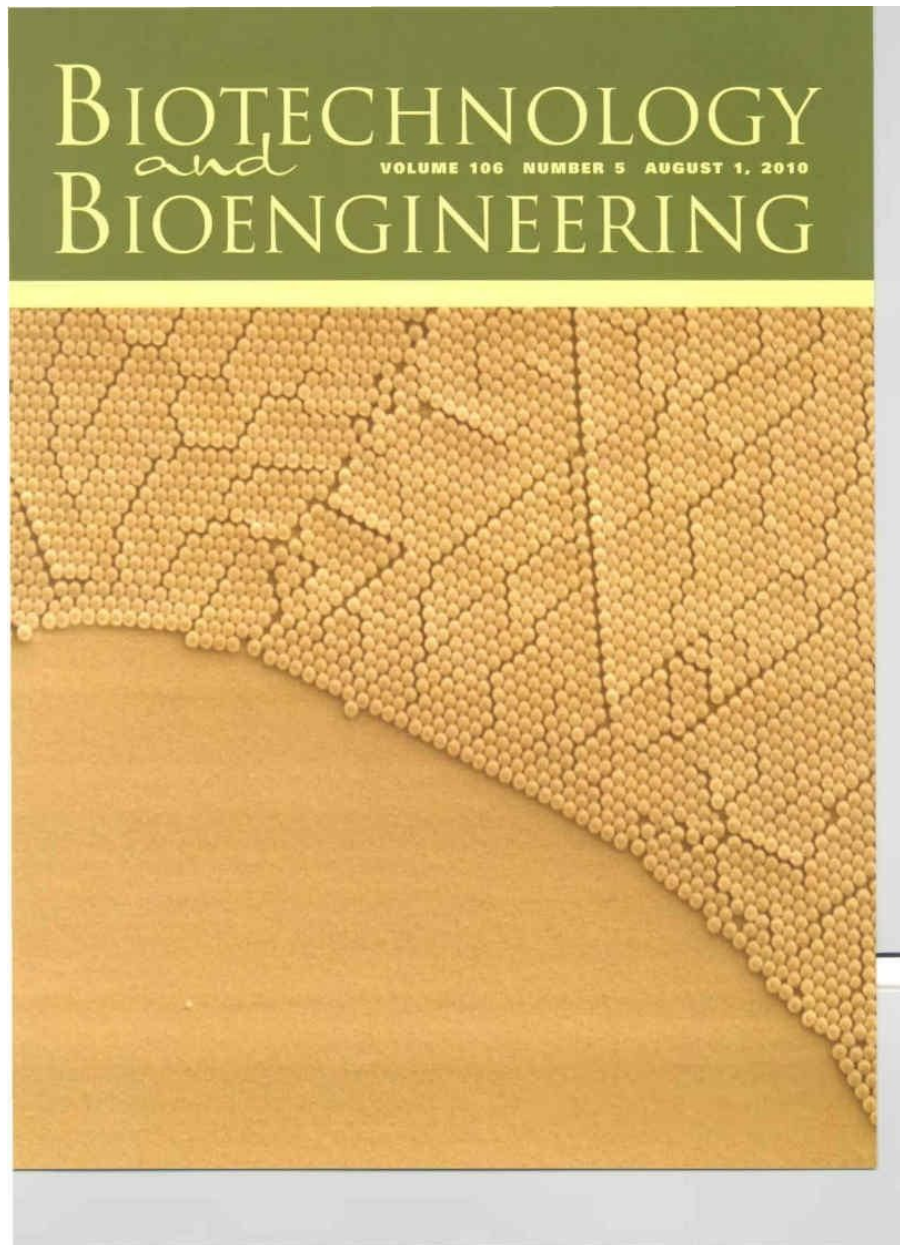


## MICROBEAD ARRAY FOR 3D CELL CULTURE



**Description:** Use of flat glass or polystyrene surfaces for culture of stem cells proved to be poor surfaces in the promotion of functional development of human neural progenitor cells .We found a simple solution of a more 3D surface created by arraying Cytodex (0.51 to 1.98  $\mu\text{m}$ ) beads on a flat surface. We made many such surfaces for other investigators. The idea made the cover of *Biotechnology & Bioengineering* as shown above.

**Reference:** Wu, Z.-Z.; Kisaalita, W.S.; Wang, L.; Zachman, A.L.; Zhao, Y.; Hasneen, K.; Machacek, D.; Stice, S.L. Effects of topography on the functional development of human neural progenitor cells. *Biotechnology & Bioengineering* 106(4):649-659 (2010).