

encapsulation, may well lead to greater biocompatibility of various important classes of medical devices.

COMPETING FINANCIAL INTERESTS

The author declares no competing financial interests.

- Anderson, J.M., Rodriguez, A. & Chang, D.T. *Semin. Immunol.* **20**, 86–100 (2008).
- Zhang, L., Cao, Z., Bai, T., Carr, L., Ella-Menye, J.-R., Irvin, C., Ratner, B.D. & Jiang, S. *Nat. Biotechnol.* **31**, 553–556 (2013).
- Tian, W. & Kyriakides, T.R. *Biomed. Mater.* **4**, 015010 (2009).
- Holt, D. & Grainger, D.W. Host-implant response. in *An Introduction to Biomaterials*, 2nd edn. (ed., Hollinger, J.O.) 63–95 (CRC Press, Boca Raton, FL, 2011).
- Wu, P. & Grainger, D.W. *Biomaterials* **27**, 2450–2467 (2006).
- Ward, W.K., Wood, M.D., Casey, H.M., Quinn, M.J. & Federiuk, I.F. *Diabetes Technol. Ther.* **6**, 137–145 (2004).
- Ishihara, K. 2012. Phospholipid polymers. in *Encyclopedia of Polymer Science and Technology* (John Wiley & Sons, 2012).
- Williams, D.F. *Biomaterials* **29**, 2941–2953 (2008).
- Zhang, Z. *et al. J. Biomater. Sci. Polym. Ed.* **20**, 1845–1859 (2009).
- Smith, R.S. *et al. Sci. Transl. Med.* **4**, 153ra132 (2012).

Research Highlights

Papers from the literature selected by the Nature Biotechnology editors. (Follow us on Twitter, @NatureBiotech #nbtHighlight)

Delineating antibody recognition in polyclonal sera from patterns of HIV-1 isolate neutralization

Georgiev, I.S. *et al. Science* **340**, 751–756 (2013)

Safety and tolerability of an intratumorally injected DNzyme, Dz13, in patients with nodular basal-cell carcinoma: a phase 1 first-in-human trial (DISCOVER)

Cho, E. *et al. Lancet* doi:10.1016/S0140-6736(12)62166-7 (7 May 2013)

Mapping the human miRNA interactome by CLASH reveals frequent noncanonical binding

Helwak, A., Kudia, G., Dudnakova, T. & Tollervy, D. *Cell* **153**, 654–665 (2013)

Regeneration and experimental orthotopic transplantation of a bioengineered kidney

Song, J.J. *et al. Nat. Med.* **19**, 646–651 (2013)

A direct *in vivo* RNAi screen identifies MKK4 as a key regulator of liver regeneration

Wuestefeld, T. *et al. Cell* **153**, 389–401 (2013)