



















- [17] Christensen K, Xu C, Chai W, Zhang Z, Fu J, Huang Y. Freeform inkjet printing of cellular structures with bifurcations. *Biotechnol Bioeng* 2015;112:1047–55.
- [18] Murphy S V, Atala A. 3D bioprinting of tissues and organs. *Nat Biotechnol* 2014;32:773–85.
- [19] Inzana JA, Olvera D, Fuller SM, Kelly JP, Graeve OA, Schwarz EM, et al. 3D printing of composite calcium phosphate and collagen scaffolds for bone regeneration. *Biomaterials* 2014;35:4026–34.
- [20] Cui X, Breitenkamp K, Finn MG, Lotz M, D’Lima DD. Direct Human Cartilage Repair Using Three-Dimensional Bioprinting Technology. *Tissue Eng Part A* 2012;18:1304–12.
- [21] Hook AL, Chang CY, Yang J, Atkinson S, Langer R, Anderson DG, et al. Discovery of novel materials with broad resistance to bacterial attachment using combinatorial polymer microarrays. *Adv Mater* 2013;25:2542–7.
- [22] Celiz AD, Smith JGW, Langer R, Anderson DG, Winkler DA, Barrett DA, et al. Materials for stem cell factories of the future. *Nat Mater* 2014;13:570–9.
- [23] Hook AL, Chang C-Y, Yang J, Luckett J, Cockayne A, Atkinson S, et al. Combinatorial discovery of polymers resistant to bacterial attachment. *Nat Biotechnol* 2012;30:868–75.
- [24] Cho S, Mitalipova M, Pyzocha N, Rojas F, Anderson DG. Combinatorial development of biomaterials for clonal growth of human pluripotent stem cells. *Nat Mat* 2010;9:768–78.
- [25] Celiz AD, Smith JGW, Patel AK, Langer R, Anderson DG, Barrett DA, et al. Chemically diverse polymer microarrays and high throughput surface characterisation: a method for discovery of materials for stem cell culture. *Biomater Sci* 2014:1604–11.