

ADVANCED FUNCTIONAL MATERIALS

ELECTRODES

A drug-loaded conducting polymer electrode array is used by P. Chen and co-workers to direct the differentiation of human mesenchymal stem cells into osteoblasts through electrical stimulation. On page 4649, a drug-releasing organic bioelectronic platform is developed, comprising integrated reduced graphene oxide and a conducting polymer electrode array. The attachment, orientation, and differentiation of human mesenchymal stem cells can be manipulated on this platform.

