



ADVANCED FUNCTIONAL MATERIALS

CONDUCTING POLYMER HYDROGELS

On page 2692 Damia Mawad, Gordon G. Wallace, and co-workers report the development of a single-component conducting polymer (CP) hydrogel that combines both electroproperties and hydrogel characteristics, i.e., electroactivity at physiological pH and temperature, a notable swelling ratio, and a porous internal structure. The CP hydrogel is also shown to promote cell adhesion and proliferation, opening the way for the development of new tissue engineering scaffolds for nerve and muscle regeneration.