



ADVANCED FUNCTIONAL MATERIALS

DRUG DELIVERY

In tumor cells, enzyme-triggered drug release from a nanoparticle after polymer cleavage is demonstrated by S. H. Parekh, M. Klapper, and co-workers on page 4026. The polymers within the particles contain a specific peptide sequence which is recognized and subsequently cleaved by matrix-metalloproteinase-2, an enzyme overexpressed in tumor tissues. The higher mobility of polymer fragments finally leads to drug release and associated cytotoxicity.