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Cover picture: Representative horizontal sections of hippocampus after kindling of c-fos+/+ (top panels) and c-fos−/− (bottom panels) mice examined with Timm histochemistry. The Timm stain is used as a marker of dentate granule neuron axonal sprouting. Magnifications of the supragranular layer (in the region of the asterisk, shown at right) demonstrate marked attenuation of kindling-induced sprouting in c-fos−/− mice (top right, open arrows) relative to c-fos+/+ mice (bottom right, closed arrows). These data implicate the immediate early gene c-fos in an activity-determined plasticity in the adult mouse nervous system.

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