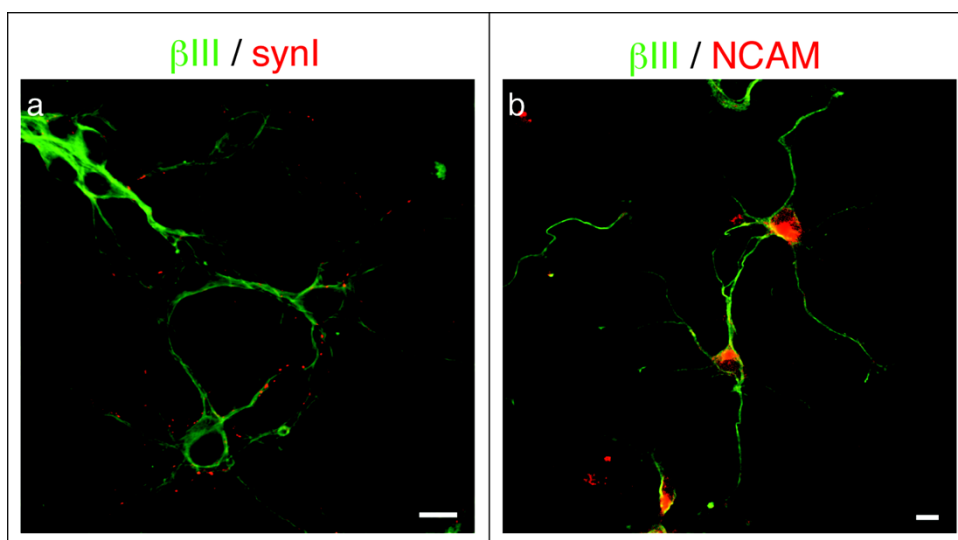


Electronic Supplementary Information

Fabrication of biocompatible free-standing nanopatterned films for primary neuronal cultures

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Supplementary Figure 1



Confocal images of primary hippocampal cultures plated on flat PCL substrates. Neurons were grown for 7 days on the substrates, fixed and processed for confocal microscopy. The neuron-specific markers analysed are as follows: β III, neuronal class III β -tubulin (green channel); synI, synapsin I; NCAM, neural cell adhesion molecule (red channel). Neurons formed a sparse network, characterized by a low number of synaptic contacts (a) and by a limited NCAM-immunoreactivity, mostly localized around the cell bodies and the proximal neurites (b). Scale bars: 10 μ m.