Electronic Supplementary Material (ESI) for RSC Advances.
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Supplementary Information

For the immunostaining the samples were fixed with 4% paraformaldehyde in PBS and permeabelized with 0.3% Trition-X in blocking buffer (PBS with 1 % BSA (gibco) and 2% heat-inactivated goat serum (Life Technologies)). The samples were stained using Anti-Vinculin (1:40) and Anti-Map-2 (1:500, abcam). Secondary antibodies labeled with 488 nm and 546 nm were prepared 1:500 in blocking buffer

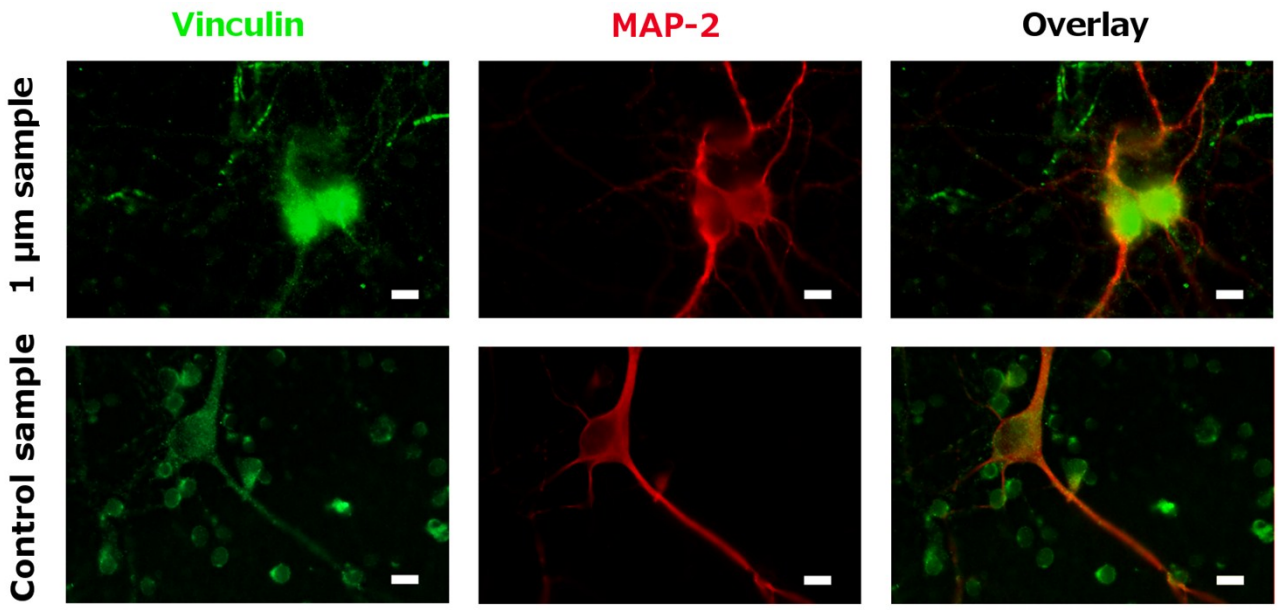

Figure S1 Immunostaining against Vinculin (left column) and Map-2 (middle column). On the right an overlay of both stainings is shown. Scale bar 10 µm

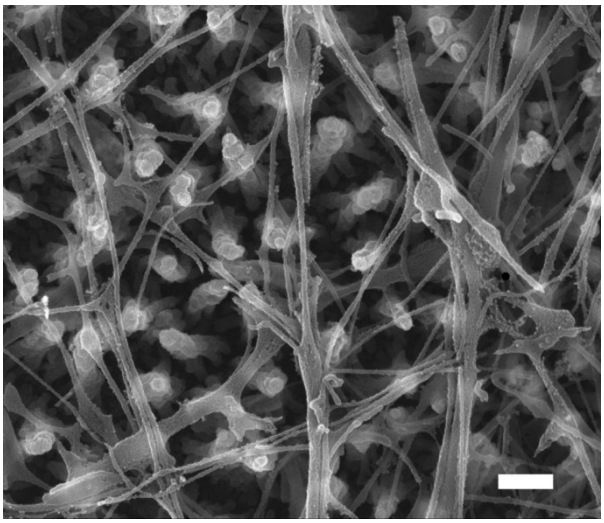

Figure S2 SEM image of neurites growing on 3 µm DCNT structures. The neurites form mostly tangential attachments separated by long suspended projections and do not follow the substrate more conformally than the cell bodies. Scale bar 1 µm