In vitro Investigation of the Cellular Toxicity of Boron Nitride Nanotubes

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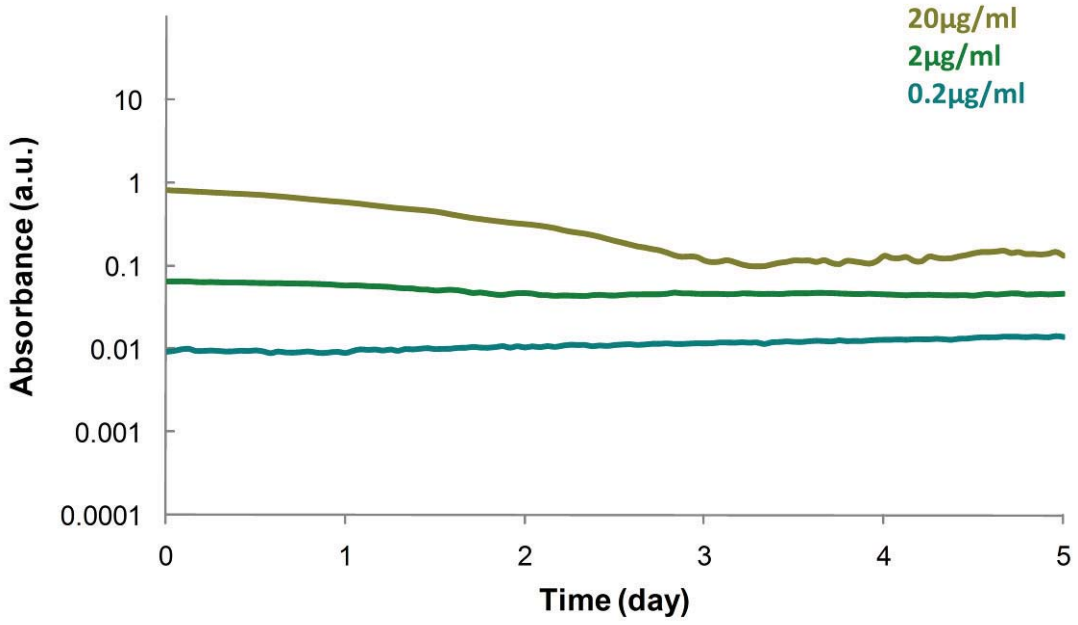
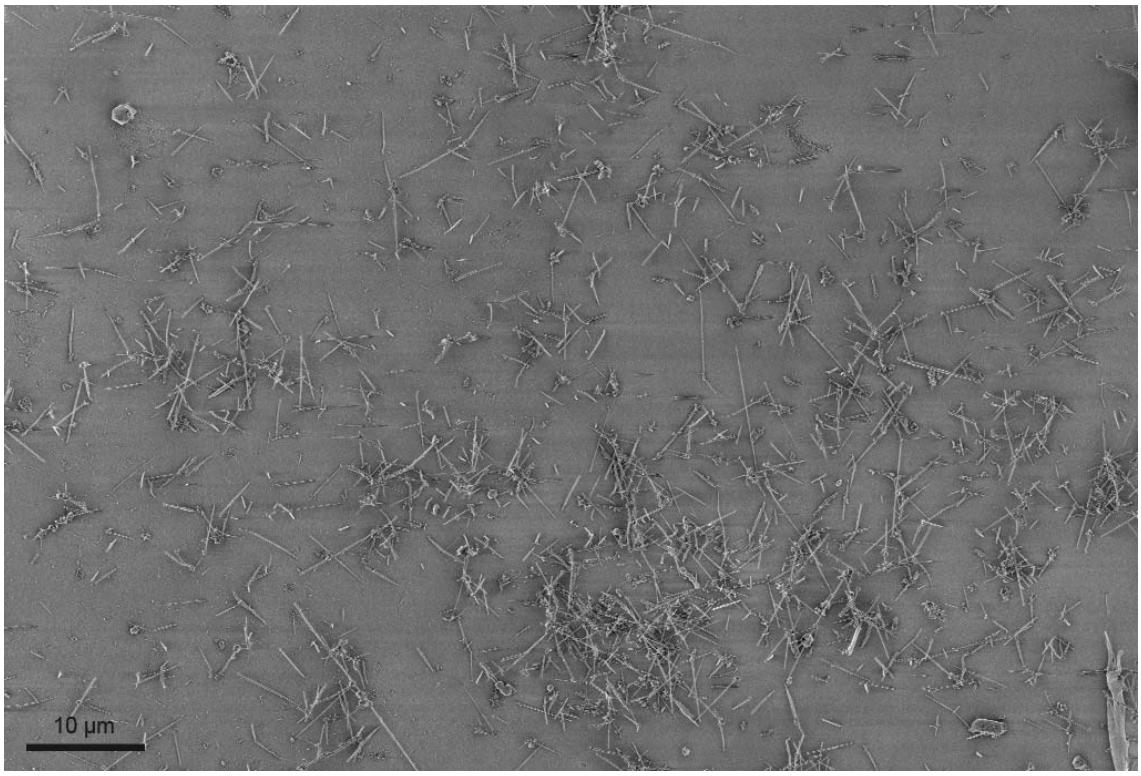
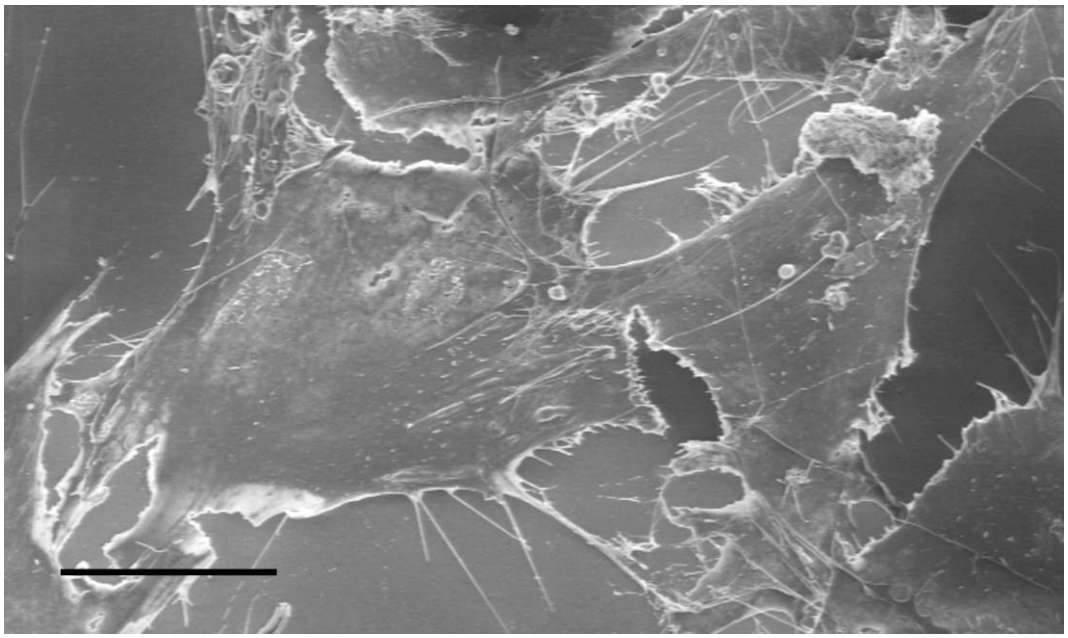
Supplemental Figure 1: Representative plot of 0.2, 2 and 20 μg/ml BNNT solution dispersed in the biocompatible surfactant Tween 80, in cell culture medium. The long-term stability of the solution was followed by measuring the absorbance of the sample each hour by UV-VIS spectrophotometer during five days.



Supplemental Figure 2: SEM micrograph of a laminin-pretreated glass cover slip that was immersed in cell culture medium containing BNNTs (20 µg/ml) dispersed in Tween 80, after 4 days of incubation. The preparation of the ENM solution in the presence of a surfactant results in individually dispersed nanotubes in the sample.



Supplemental Figure 3: Scanning electron micrograph of 3T3-L1 control cells after 2 days; scale bar is 20 µm.