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Supplementary Materials

Behaviour of Vascular Smooth Muscle Cells on Amine Plasma-Coated Materials with Various Chemical Structures and Morphologies

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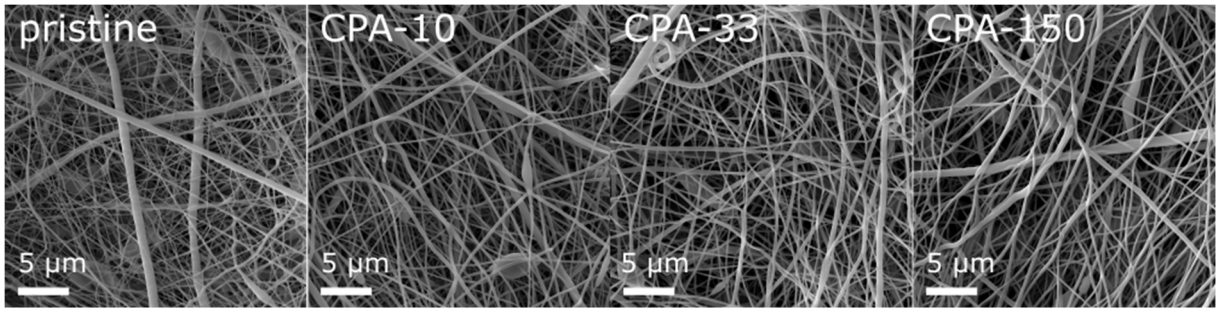

Figure S1. Micrographs of pristine and coated PCL NFs. CPA-10, CPA-33, CPA-150: PPs were deposited at the average RF power (P_{av}) of 10, 33, and 150 W, respectively.

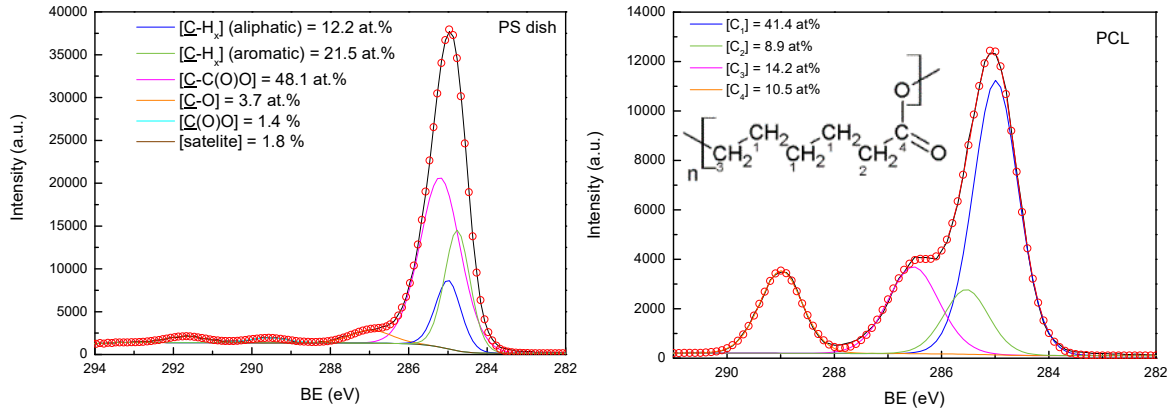

Figure S2. High-resolution XPS C1s spectra with identified functional groups for uncoated PS (left) and for uncoated PCL NFs (right).

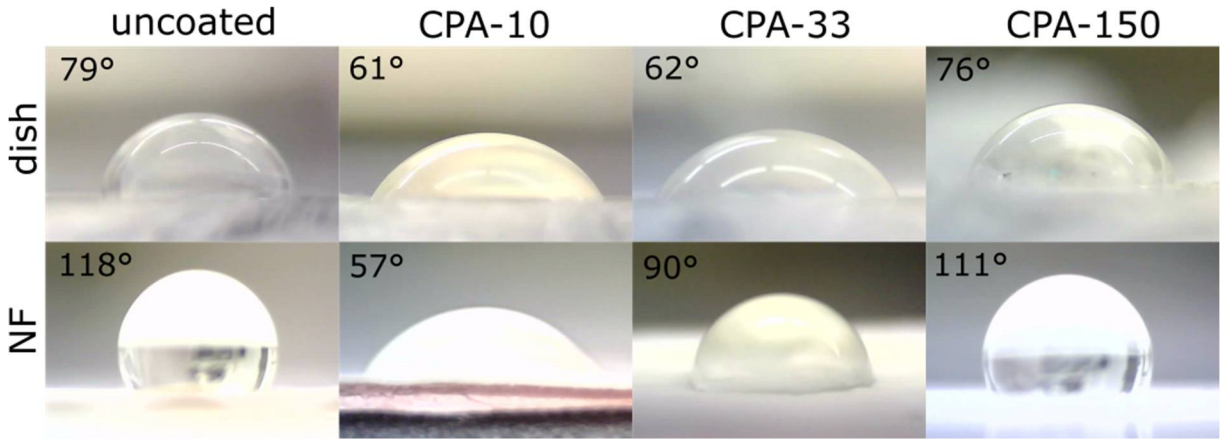

Figure S3. Shape of water droplets on uncoated and PP-coated PS dishes and PCL NFs aged two weeks with measured water contact angles. CPA-10, CPA-33, CPA-150: PPs were deposited at the average RF power (P_{av}) of 10, 33, and 150 W, respectively.

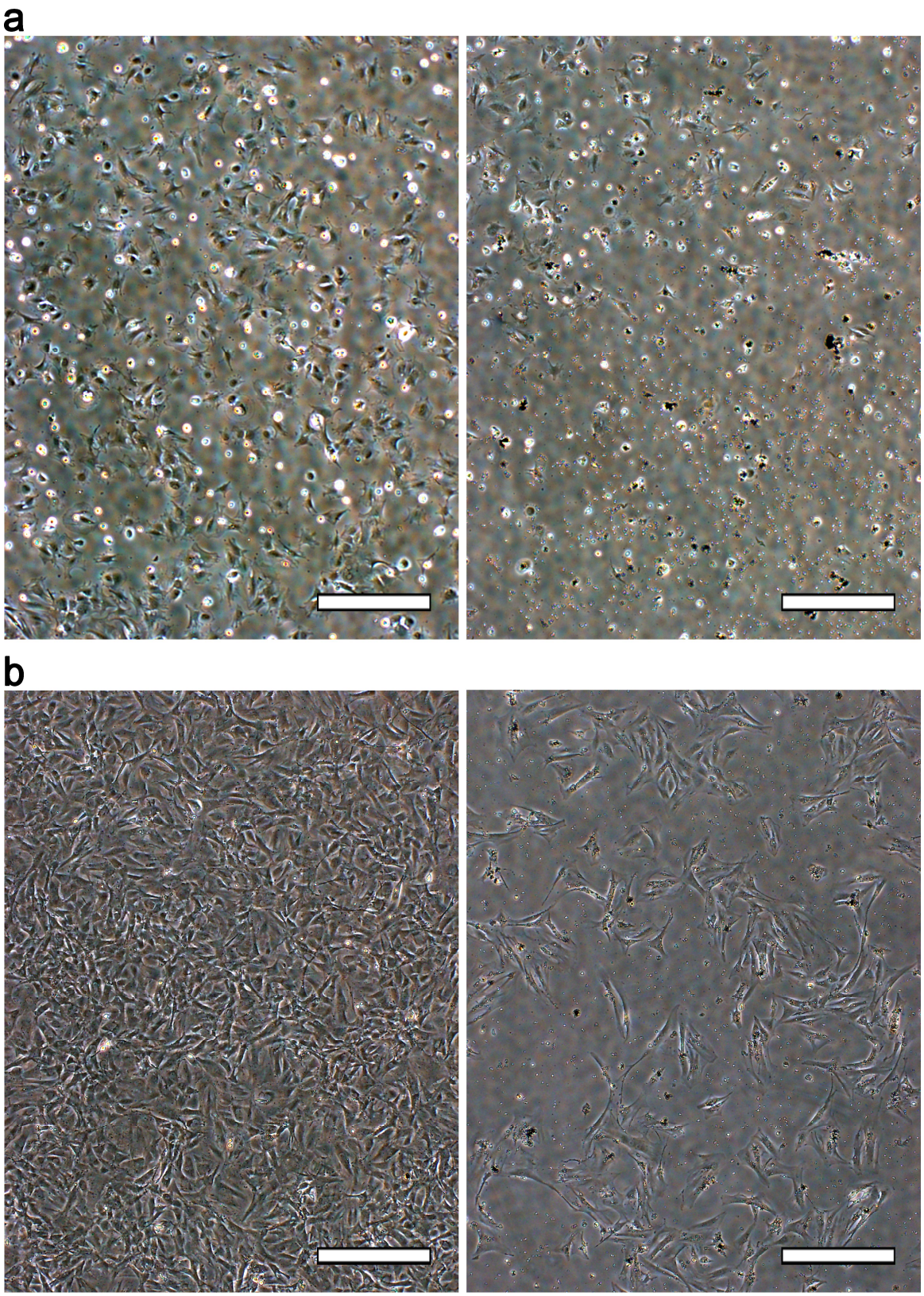

Figure S4. Morphology and population density of native VSMCs on CPA-150-coated PS dishes (i.e., PPs deposited at the average RF power (P_{av}) of 150 W) cultured (**a**) for 24 h and (**b**) for 7 days. (**a, b**) Images on the left represent major parts of the CPA-150 sample with lower amount of microparticles and higher cell densities with normal cellular morphology. Images on the right show less occurring parts of the CPA-150 sample (**a**) with mostly dead or unattached cells 24 h after seeding and (**b**) with cells with enlarged morphology after 7 days of culture. Microphotographs were taken by an epifluorescence Olympus IX-71 microscope. The scale bar depicts 400 μm.