Article

Assessing the NLRP3 Inflammasome Activating Potential of a Large Panel of Micro- and Nanoplastics in THP-1 Cells

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Additional Figures

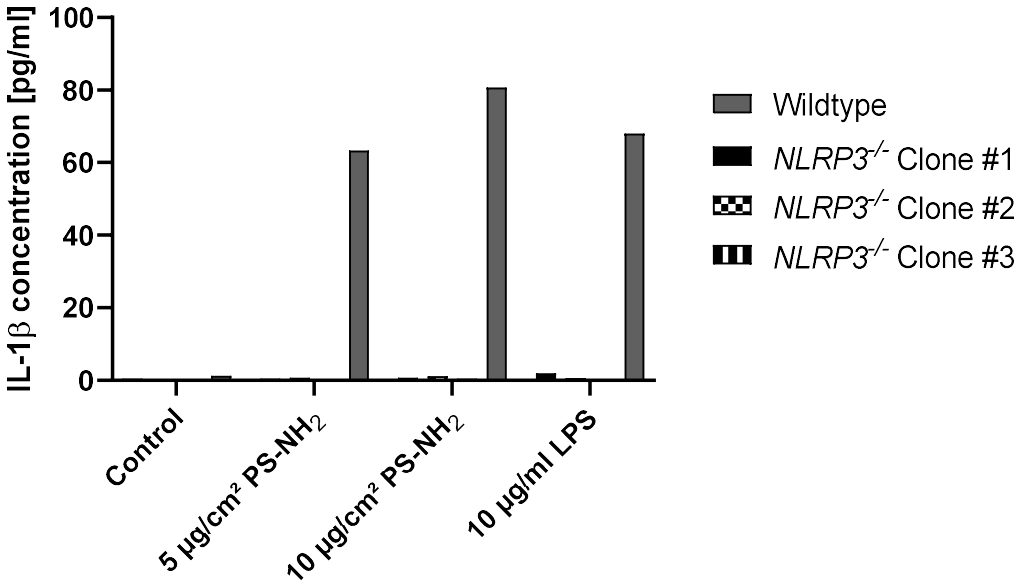


Figure S1. IL-1β release in THP-1 WT or *NLRP3*$^{-/-}$ cells after 24 h treatment with amino-modified polystyrene particles (PS-NH_2) or LPS. Cytokine release was assessed by ELISA. *N*=1.

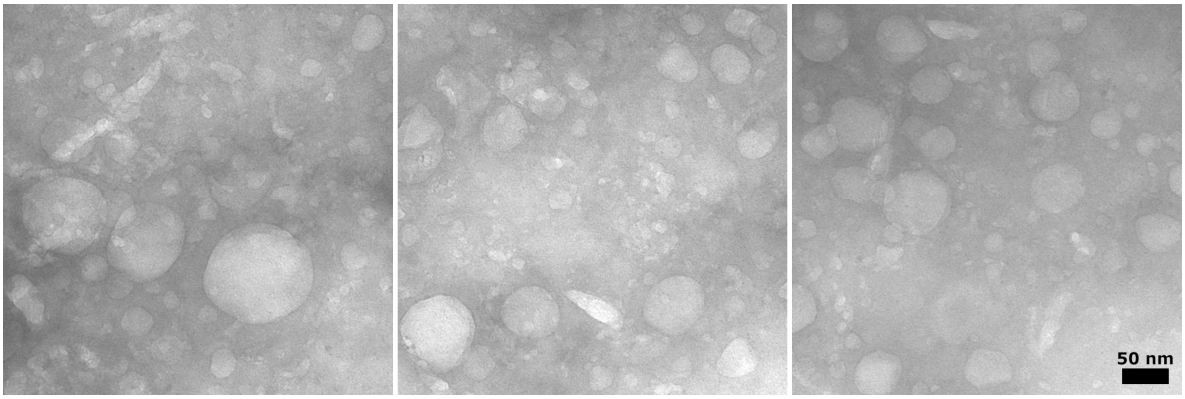


Figure S2. Exemplary TEM micrographs of the laser-generated PET nanoparticles. All micrographs have the same scale.

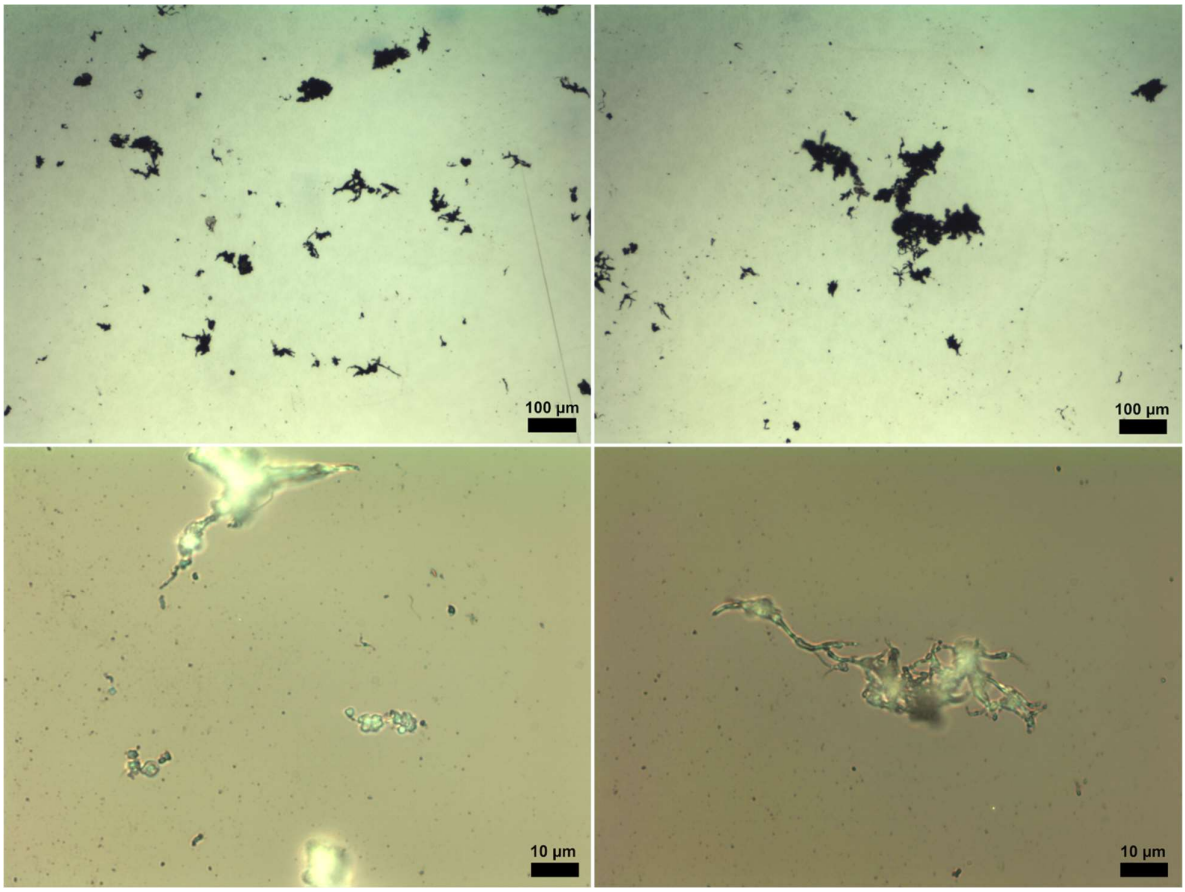


Figure S3. Exemplary light microscope images of the laser-generated PET microparticle fraction at 5x (top) and 50x (bottom) magnification.

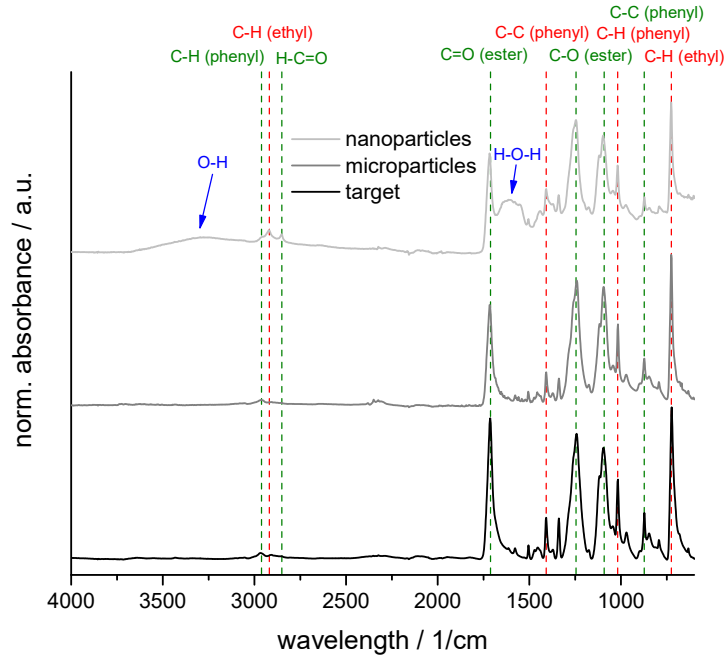


Figure S4. Normalized FT-IR absorbance spectra of the PET laser ablation target, the microparticle fraction, and the nanoparticle fraction. All spectra were normalized to the height of the peak of the C-H ethyl bond at 722 1/cm.

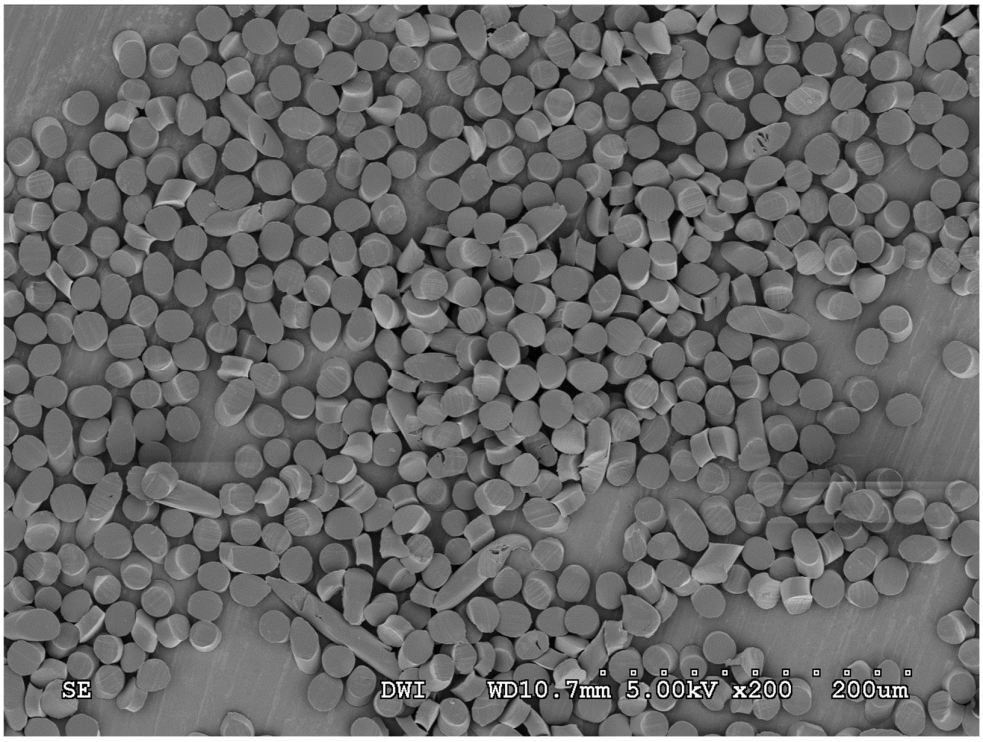


Figure S5. Exemplary SEM images of PES microfibers at 200x magnification.

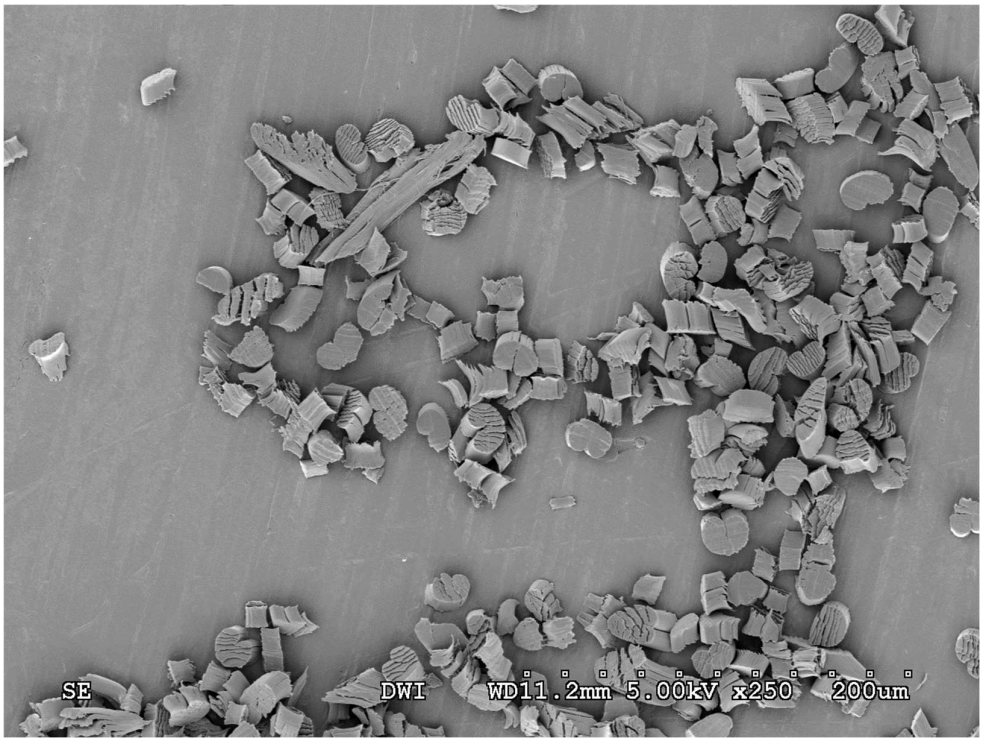


Figure S6. Exemplary SEM images of PAN microfibers at 250x magnification.

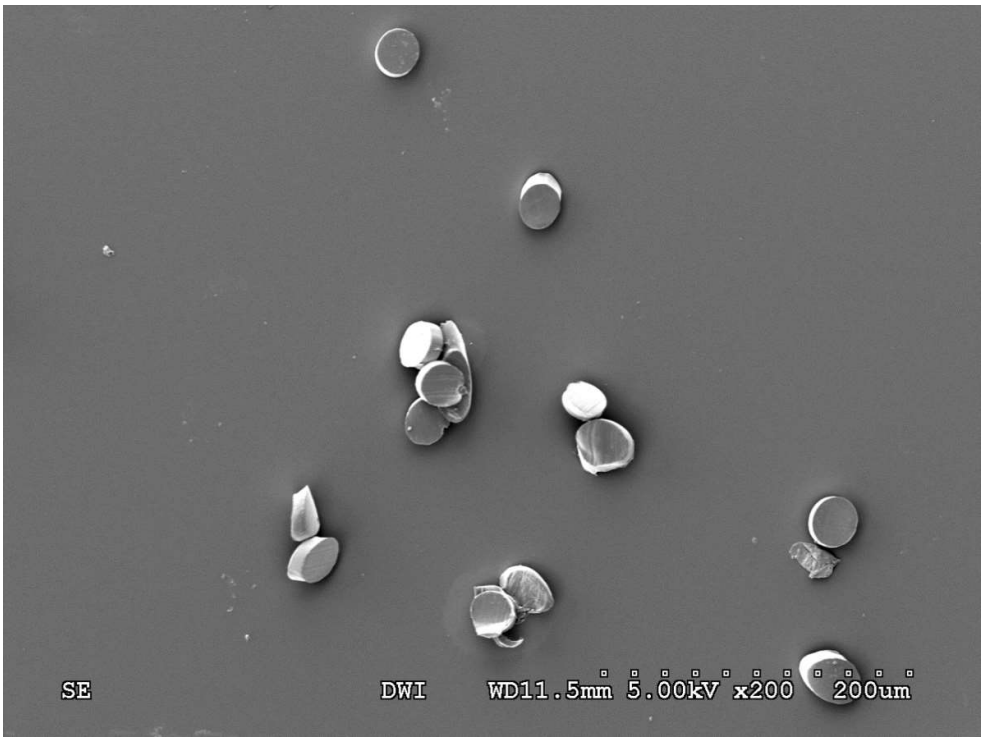


Figure S7. Exemplary SEM images of PA6 microfibers at 250x magnification.

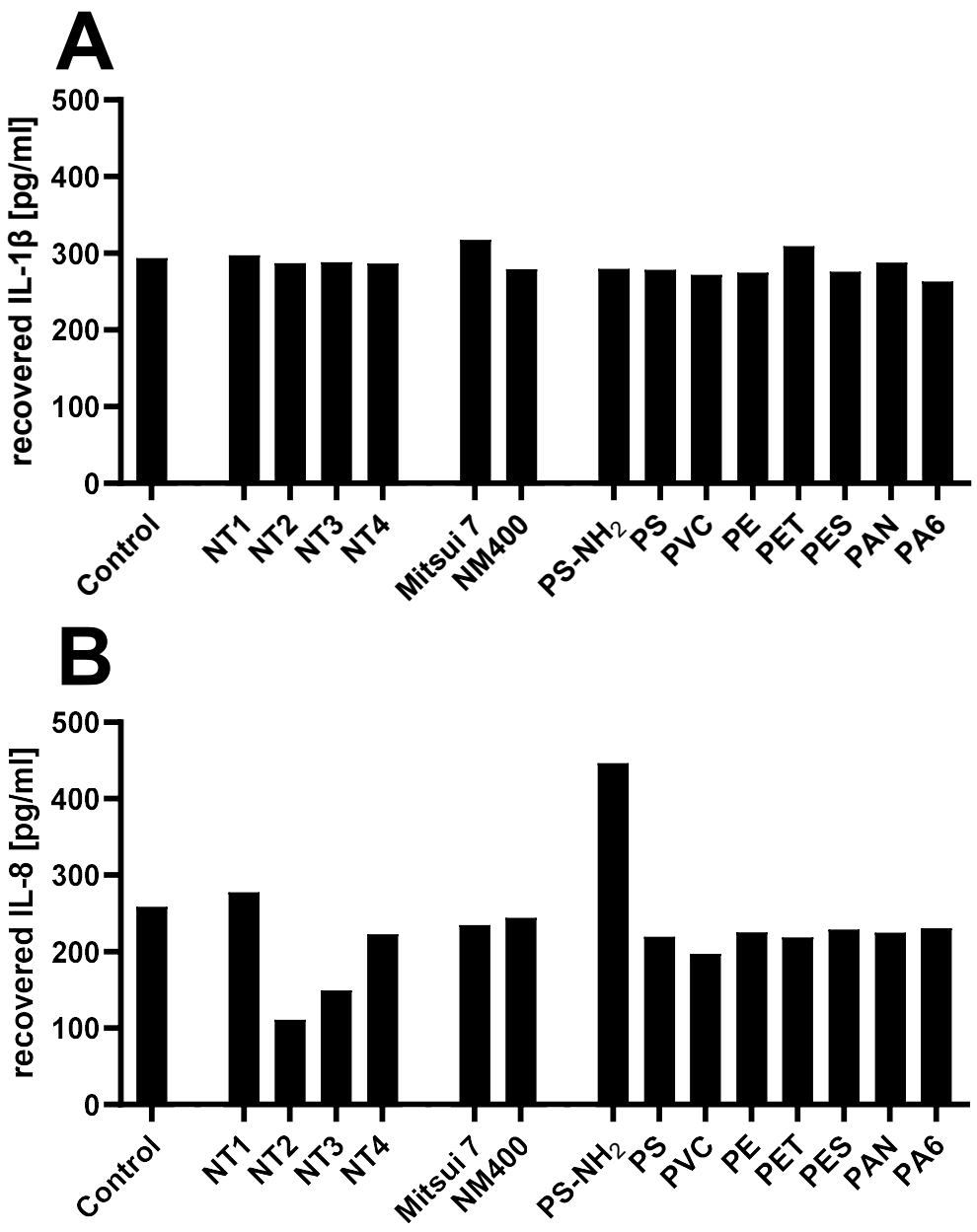


Figure S8. Recovered IL-1β (A) or IL-8 (B) after 24 h incubation of 500 pg/ml cytokine standard with 50 μg/cm² particle sample under experimental conditions, as assessed by ELISA. *N*=1.

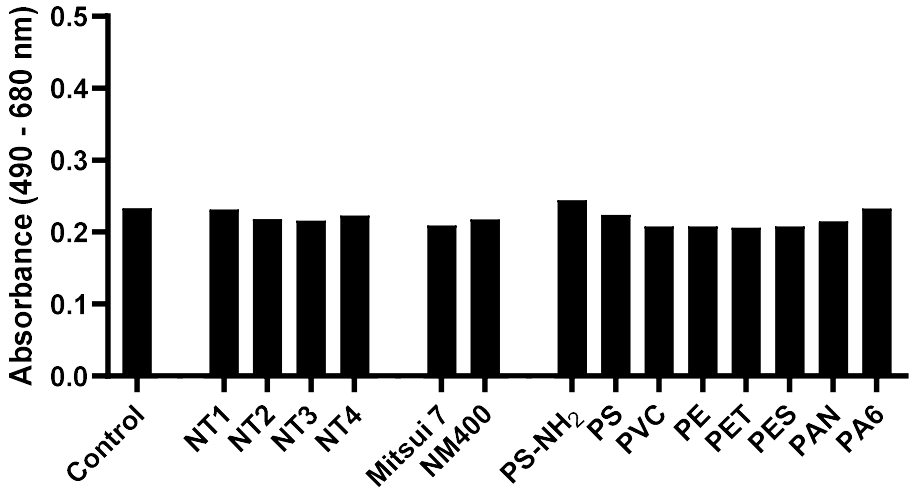


Figure S9. LDH activity in the supernatant after 24 h incubation of diluted cell lysate with 50 μg/cm² particle sample, as assessed by the LDH assay. *N*=1.