

Pulmonary Hazards of Nanoplastic Particles: A Study Using Polystyrene in *in Vitro* Models of the Alveolar and Bronchial Epithelium

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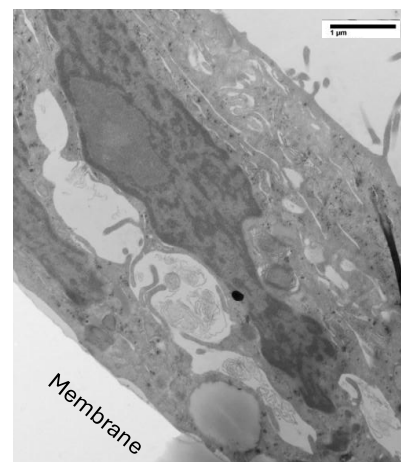
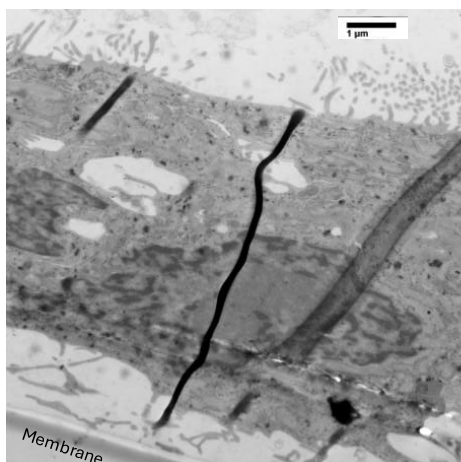
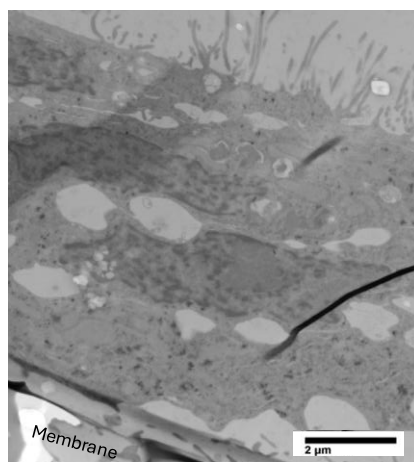
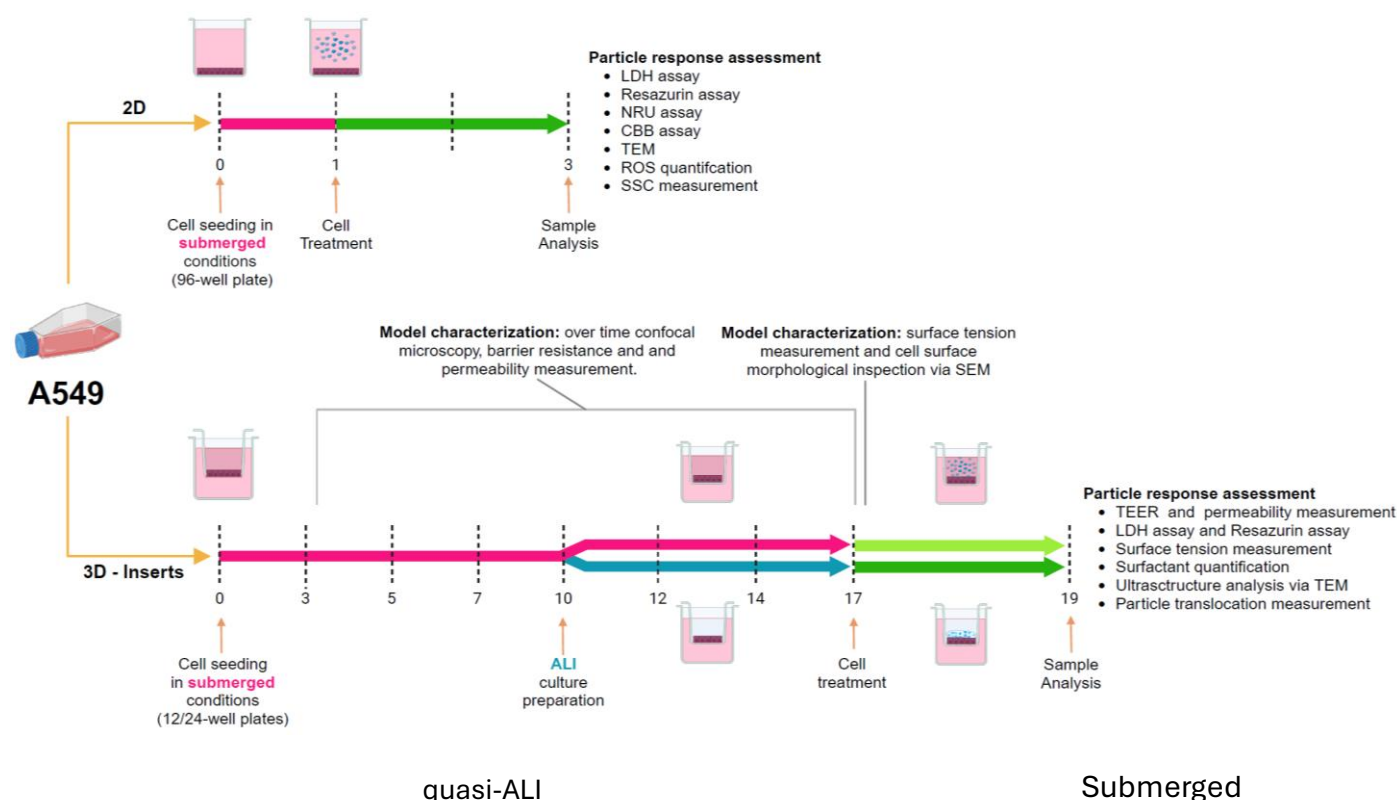
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Additional File 2: Top) scheme summarizing the different culture systems and assays used to investigate PS-Eu particle impact on 2D and 3D grown A549 cells. **Bottom):** TEM images of A549 cells grown in ALI or Submerged conditions. **Abbreviations:** TEER, transepithelial electrical resistance; ALI: quasi air-liquid interface; LDH: Lactate dehydrogenase; TEM and SEM: Transmission and scanning electron microscopy; NRU: neutral red uptake; ROS: reactive oxygen species; SSC: side-scatter; CBB: Coomassie Brilliant Blue; A549: adenocarcinoma human alveolar basal epithelial cells.