

Supplementary Information

In-plane Growth of Se Nanowires in Polymer Thin Films and Their Directional Guide

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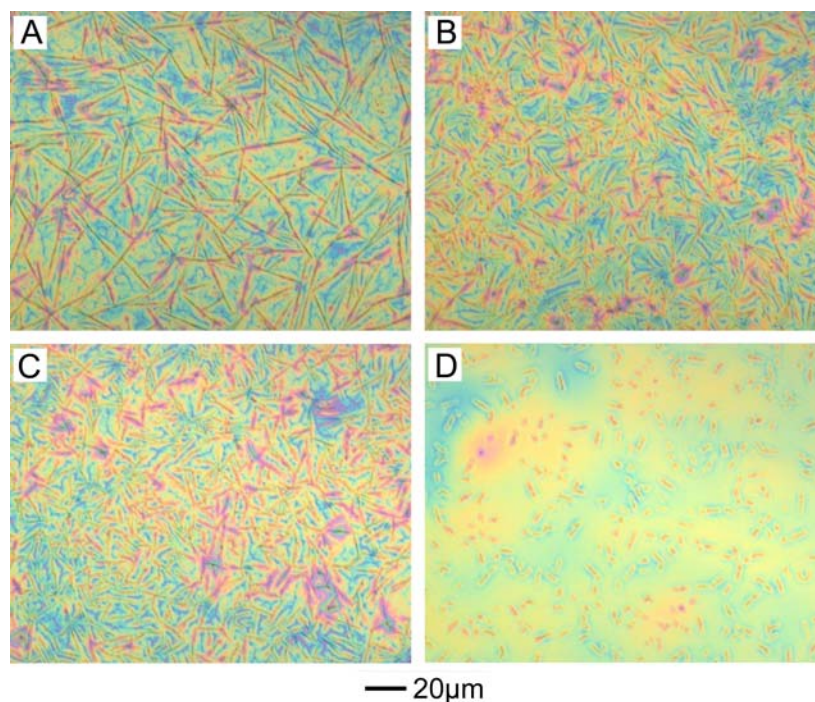


Figure S1. Optical microscope image showing the transformation of *a*-Se colloids on poly(ϵ -caprolactone) (PCL) into *t*-Se nanowires according to the annealing temperature: (A) at 60°C, (B) 100°C, (C) 130°C, and (D) 160°C.

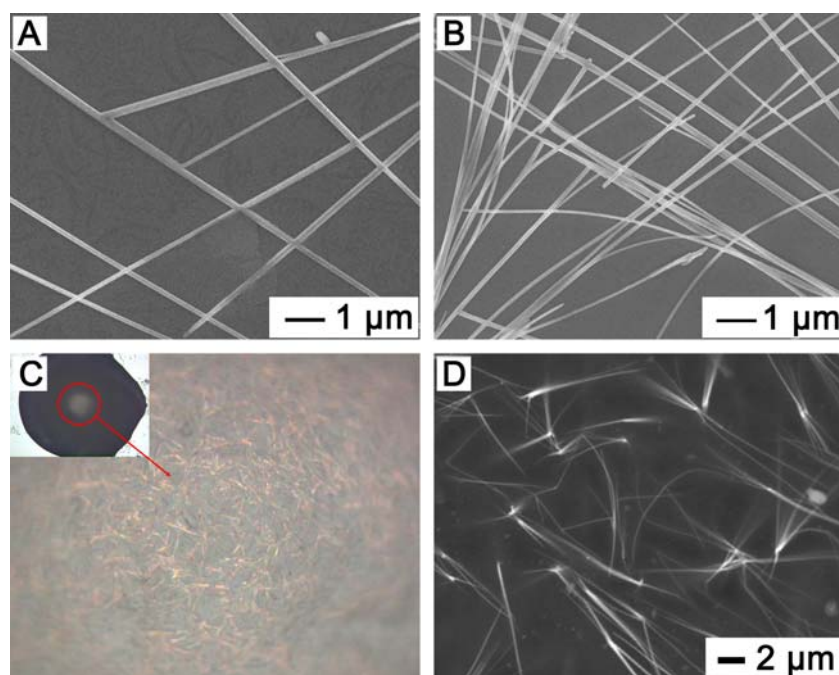


Figure S2. The growth direction of the *t*-Se nanowires depending on the thickness of the PCL films: (A) 750 nm, (B) 1.5 μm, (C) bulk PCL (OM image), and (D) bulk PCL (SEM).

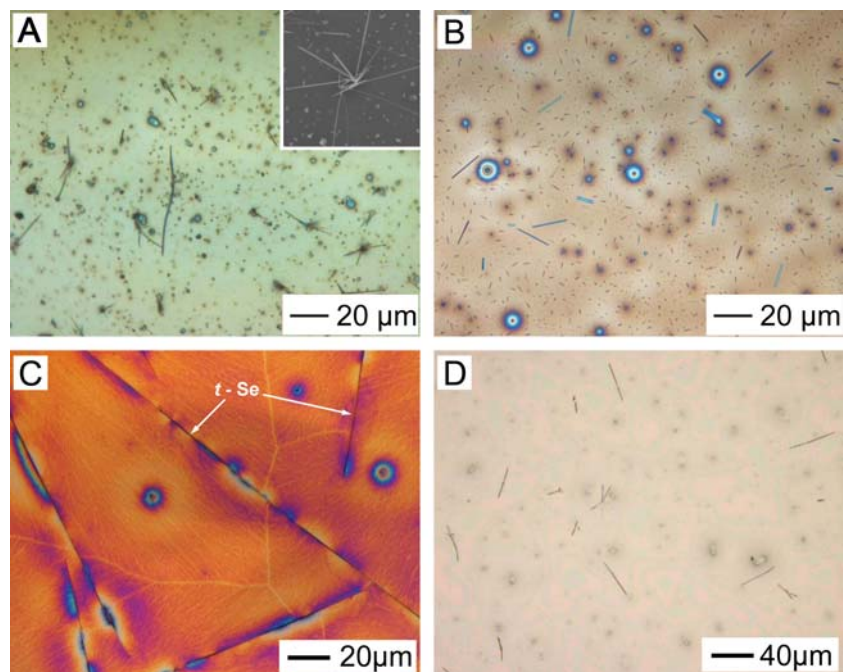


Figure S3. Dependence of t-Se nanowire growth on polymer species. Nanowires grown on (A) PS, (B) PVP, (C) 230 nm-thick PEO, (D) 780 nm-thick PEO.