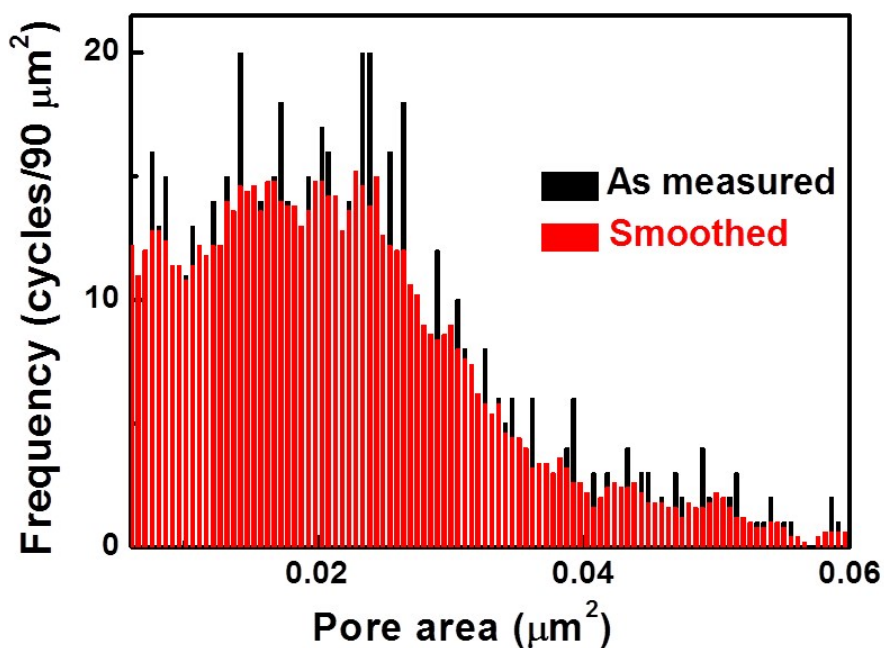


**Supplementary Information of:**

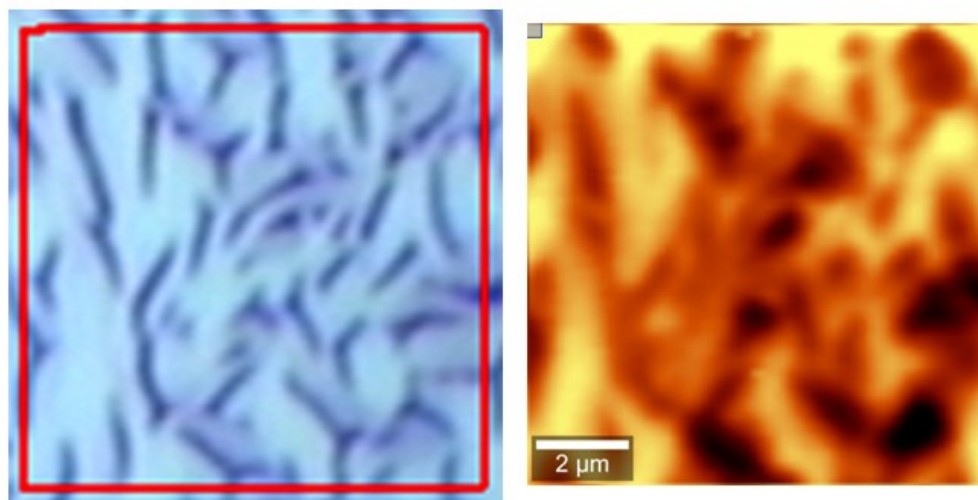
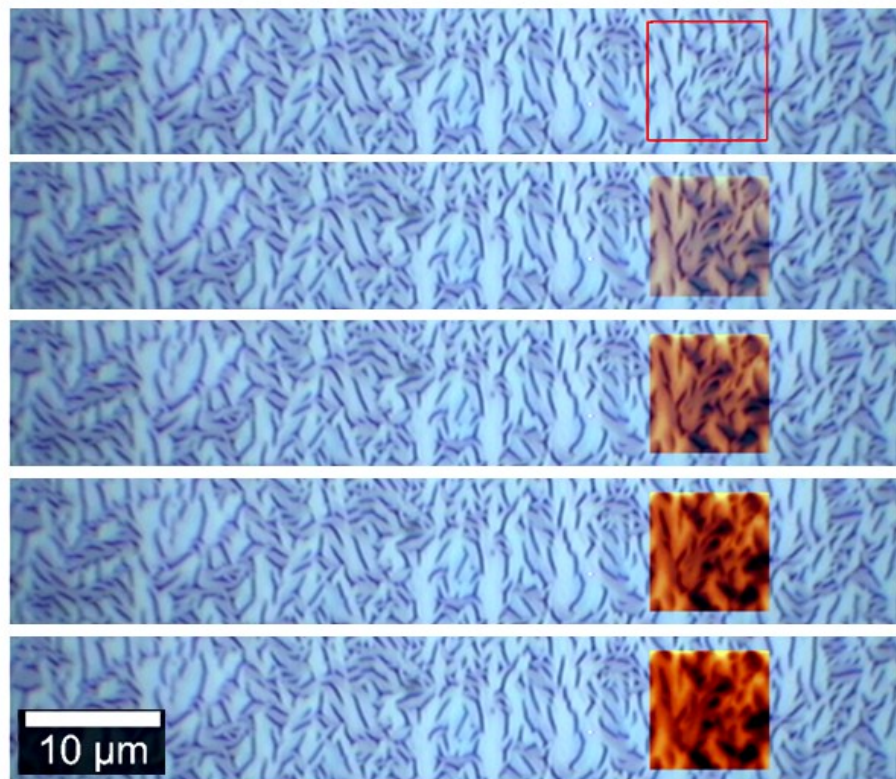
**Convective self-assembly of  $\pi$ -conjugated oligomers and polymers**

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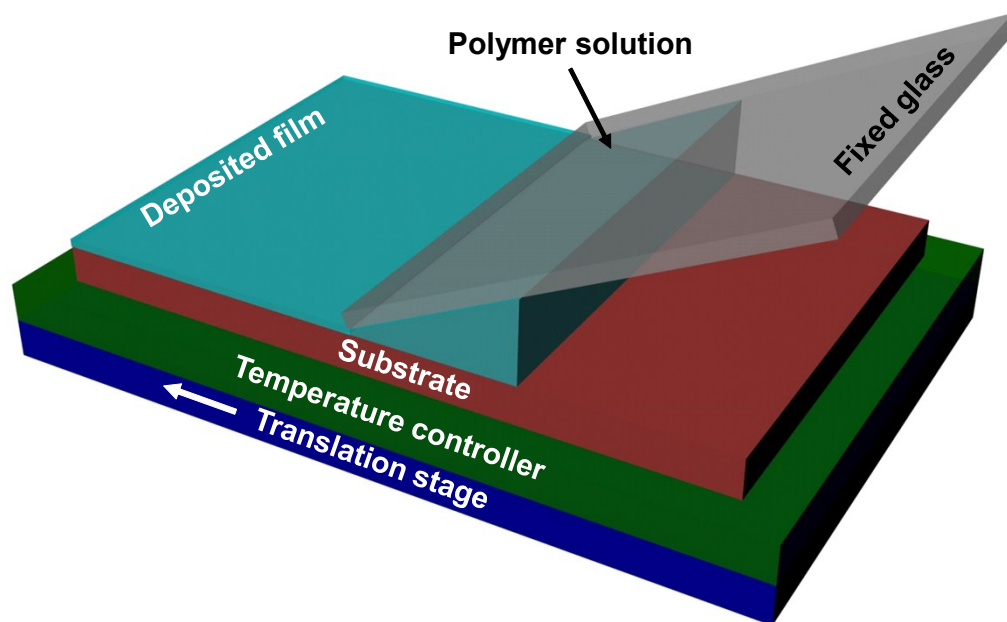
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**Figure S1.** Power spectral density obtained from analysis of the microstructure of  $\text{TH}_{13}$  film obtained using a CSA deposition speed of  $500 \mu\text{m/s}$ .



**Figure S2.** Superposition of polarized PL on the corresponding optical micrograph taken for the sample presented in Figure S3 right (top). A zoom-in of the superposition is also shown (bottom).



**Figure S3.** Schematics depicting the CSA setup as adapted for polymer deposition on solid substrates.