

Confinement-Induced Fabrication of Liquid Crystalline Polymeric Fibers

Jae Gwang Kim ¹, Jae Gyeong Lee ² and Jeong Jae Wie ^{1,2,3,*}

¹ Department of Polymer Science and Engineering, Inha University, Incheon 22212, Korea

² Program in Environmental and Polymer Engineering, Inha University, Incheon 22212, Korea

³ Department of Organic and Nano Engineering, Hanyang University, Seoul 04763, Korea

* Correspondence: wie@inha.ac.kr; jjwie@hanyang.ac.kr; Tel.: +82-32-860-7484

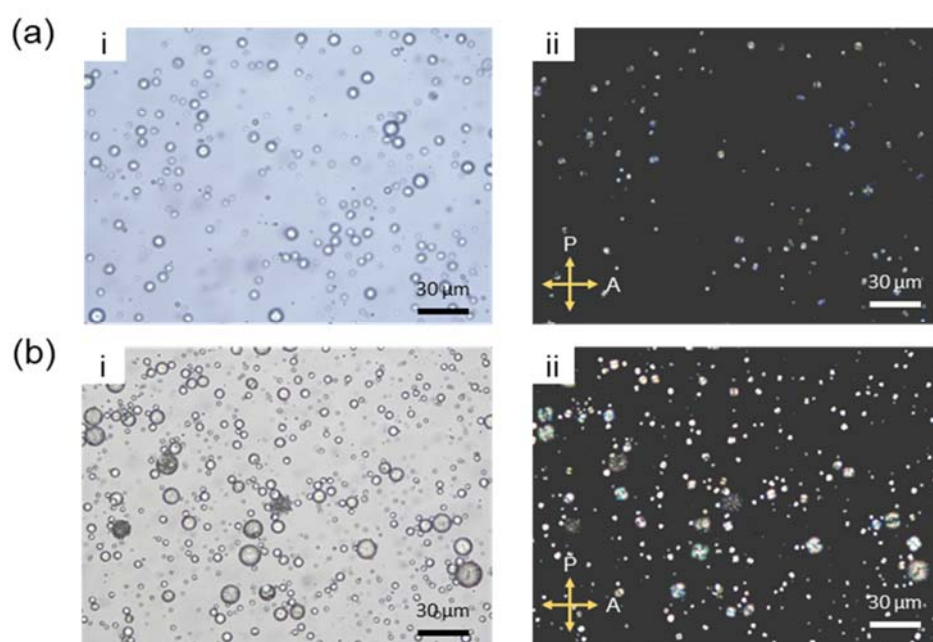


Figure S1. Shape transition of liquid crystal oligomers from spherical to flower-shaped micelle (red arrow) over oligomerization time. Optical microscope images (i) and cross polarized optical microscope image (ii) of LC emulsion after (a) 0 h and (b) 6 h of thermal oligomerization.

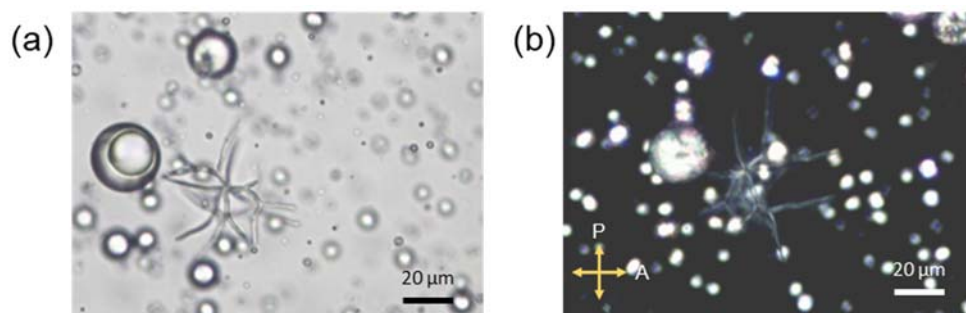


Figure S2. Transmission optical microscope images (a) and cross-polarized optical microscope image (b) for liquid crystalline oligomers after 12 h of thermal oligomerization.

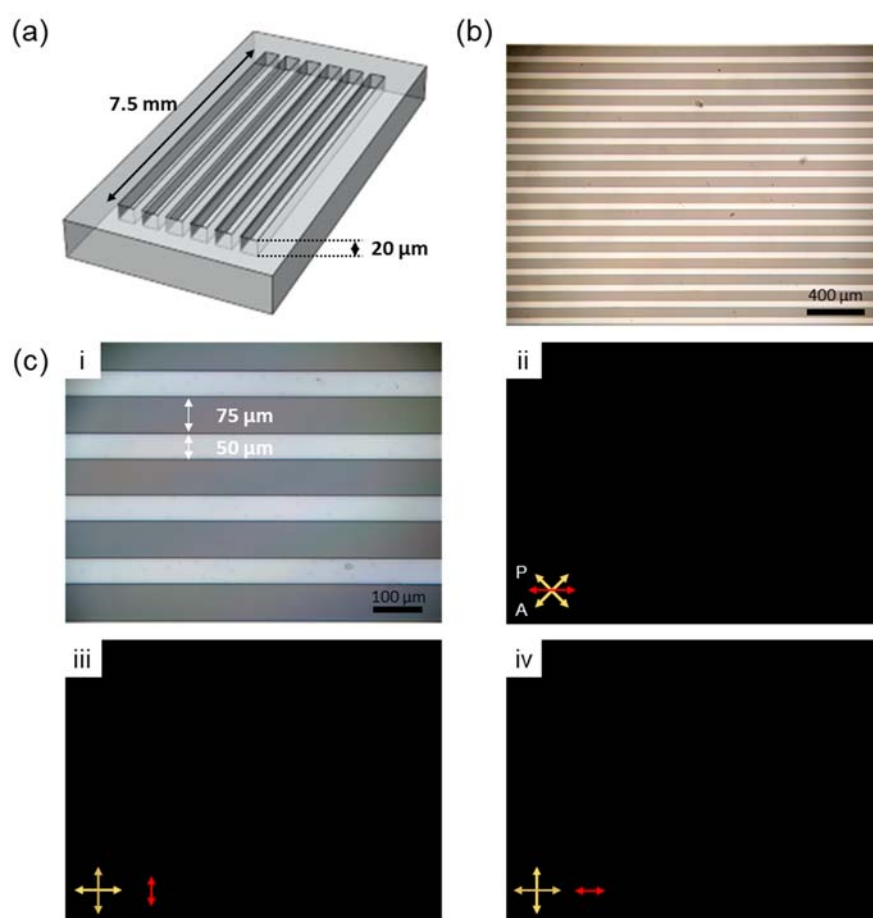


Figure S3. (a) Schematic images of micro-channel with dimensional information for length and depth of the micro-channel. (b) Optical microscope images and (c) cross-polarized optical microscope image of the micro-channel.