

# Electronic Supplementary Information for Multicomponent Chiral Hydrogel Fibers with Block Configurations Based on the Chiral Liquid Crystals of Cellulose Nanocrystals and M13 Bacteriophages

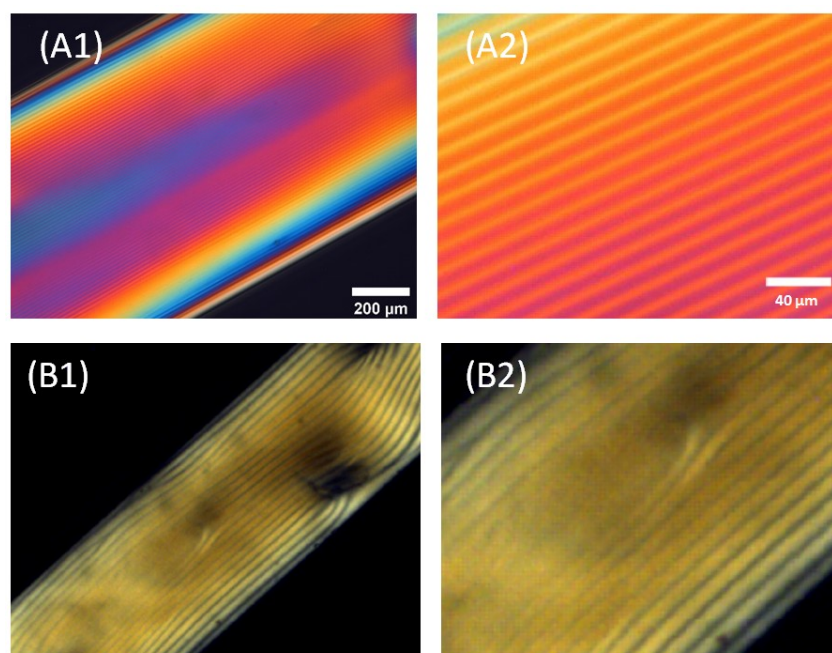
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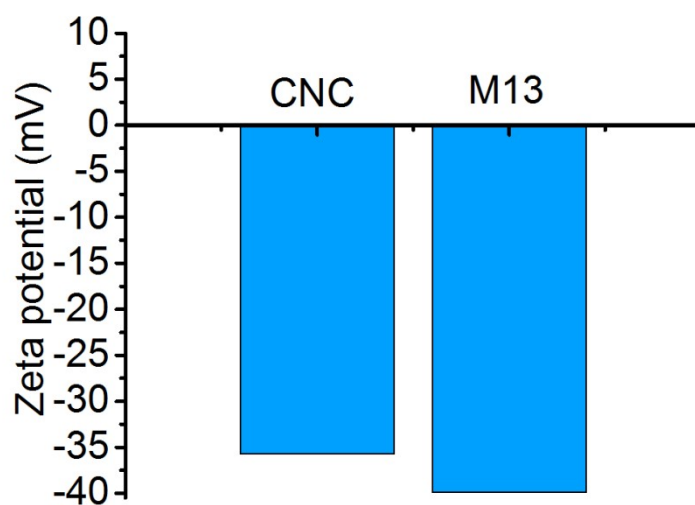
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# Equal contribution

## Supplementary Figures and videos



**Figure S1.** The CLC phases of CNC (A) and M13 (B) in the glass capillaries. The CNC suspension contains 7 wt% of CNC in pure water. The virus concentration in the M13 virus suspension is 45 mg mL<sup>-1</sup>.



**Figure S2.** The zeta potentials of CNC and the M13 virus were measured on a BeNano 90 Zeta (Bettersize Instruments Ltd., Dandong, China).

**Video S1:** Stretching and releasing by tweezers of a chiral hydrogel fiber with a triblock CNC-M13-CNC configuration (Movie S1\_CNC-M13-CNC-1). The video was recorded between two cross polarizers.

**Video S2:** Stretching by tweezers of a chiral hydrogel fiber with a diblock CNC-M13D configuration. The M13 based block was fabricated from M13 modified with double bonds (Movie S2\_CNC block stretched more). The video was recorded between two cross polarizers.

**Video S3:** Stretching by the universal testing machine of a chiral hydrogel fiber with a diblock CNC-M13 configuration (Movie S3\_M13 block stretched more-1). The video was recorded between two cross polarizers.