Electronic supplementary information to:

Inkjet and extrusion printing of conducting poly(3,4 ethylenedioxythiophene) tracks on and embedded in biopolymer materials

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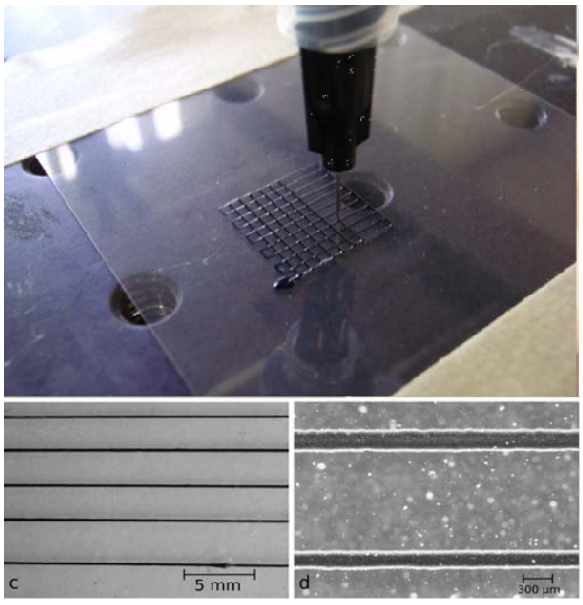

Figure S1. Extrusion printing PEDOT/PSS tracks. (a) Image of the extrusion printer in operation. (b) Optical microscopy of five extrusion printed PEDOT/PSS tracks. (c) Enlarged view of image (b).

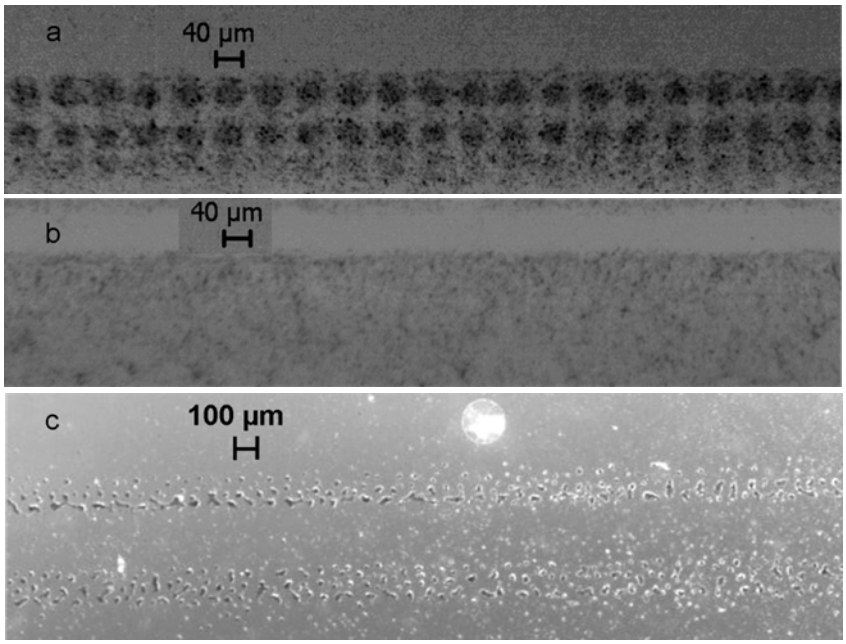

Figure S2. Optical microscopy of PEDOT/PSS inkjet printed with (a) 250 dpcm resolution onto glass substrate, (b) 333 dpcm resolution onto glass substrate, and (c) 333 dpcm resolution onto a polylactic acid-poly(glycolide-co-lactide)substrate.

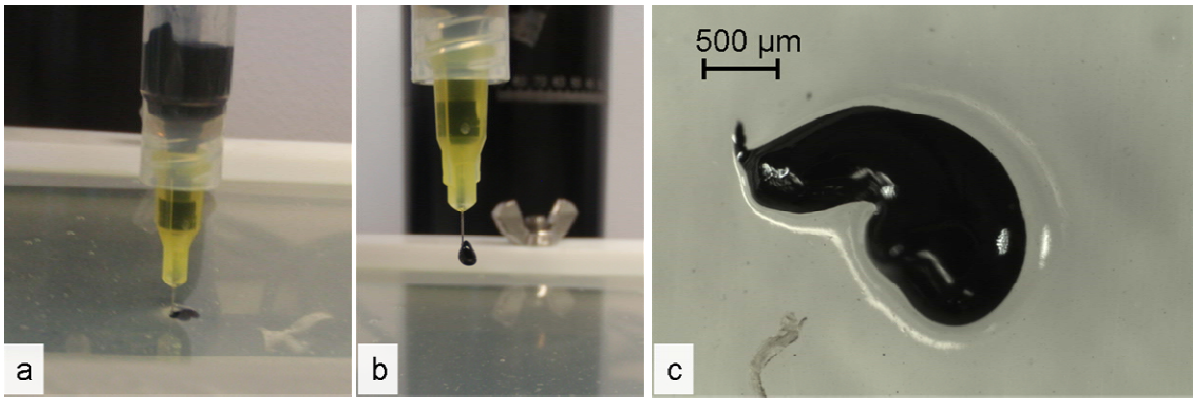

Figure S3. Images showing attempts to embed PEDOT/PSS into biopolymer (CH-HA) solution using extrusion printing. (a-b) Photographs of extruded material accumulated around the tip. (c) Optical microscopy image of accumulated material.

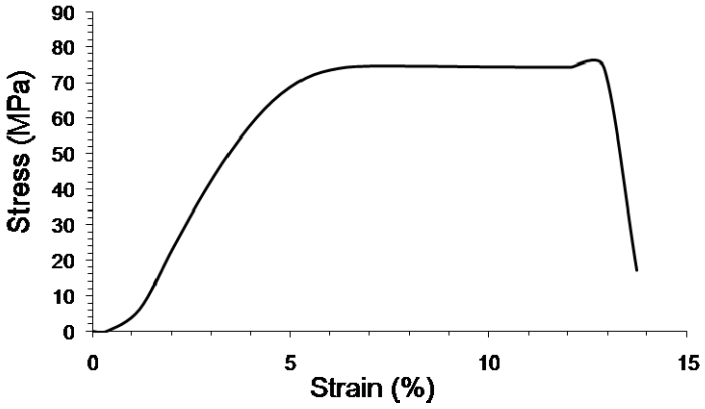

Figure S4. Typical stress-strain curve of free-standing chitosan film prepared by evaporative casting.