

Supplementary Information

The supporting information contains tables to give more information and details about the work.

Table S1. Protocol to prepare and deposit the conducting materials.

Polymer/ink	Agitation (min)	Sonication (min)	Films* ¹	T (°C)* ²
Graphene/PEDOT:PSS	35	-	3	90
PPy-PCaprol	30	60	2	35
Meth-PEDOT	20	30	3	35
PEDOT:PEG	30	30	2	45
PEDOT:PSS hc	20	-	2	95

*¹ Each film correspond to one drop of 2.5 μ L of the polymer material.

*² Temperature to increase the evaporation rate of the solvent.

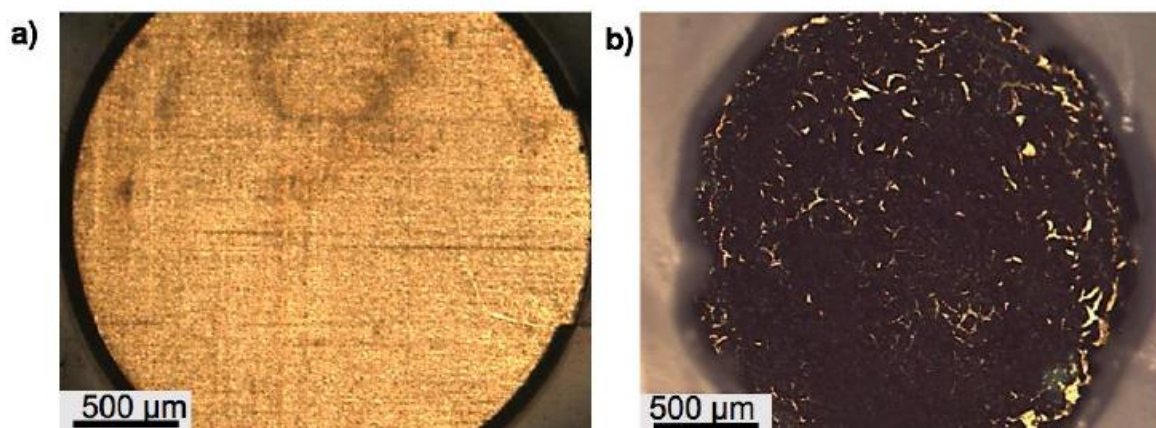


Figure S1. Optical images of: a) Bare electrode and b) PEDOT:PEG modified electrode.