

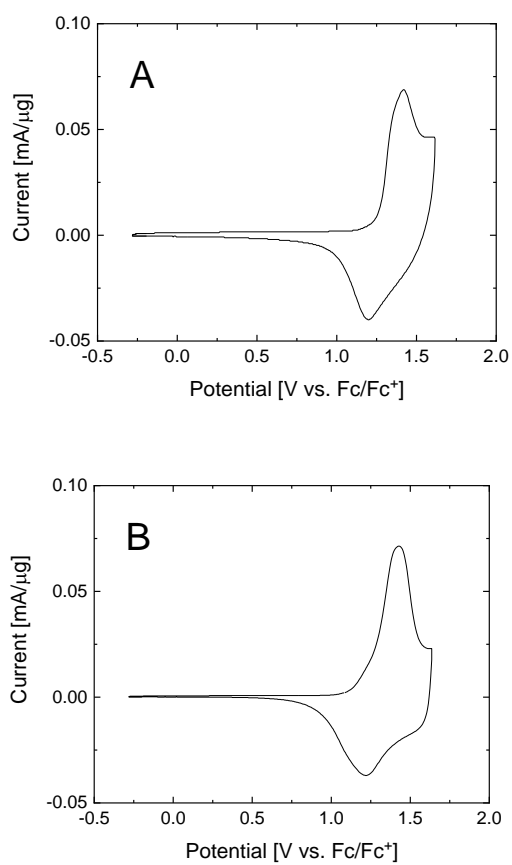
Supporting information for:

# Dynamics and Coherence of Photoexcited States in Polyfluorene Films with Ordered Chain Phases

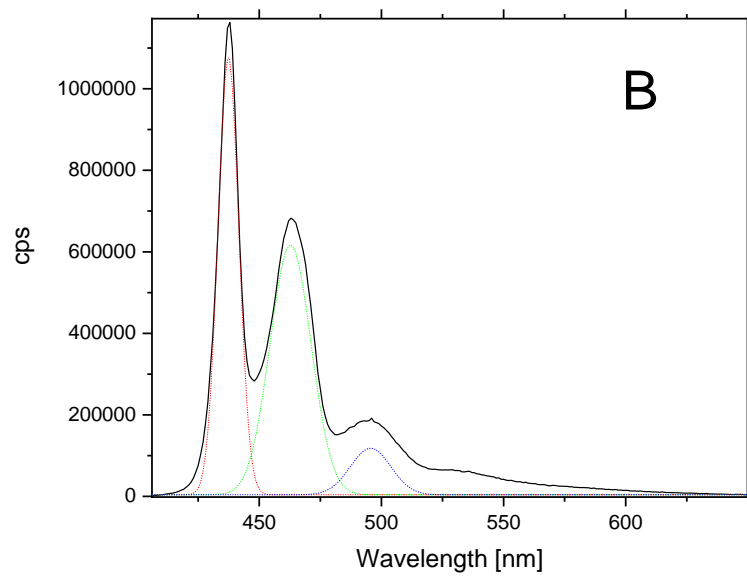
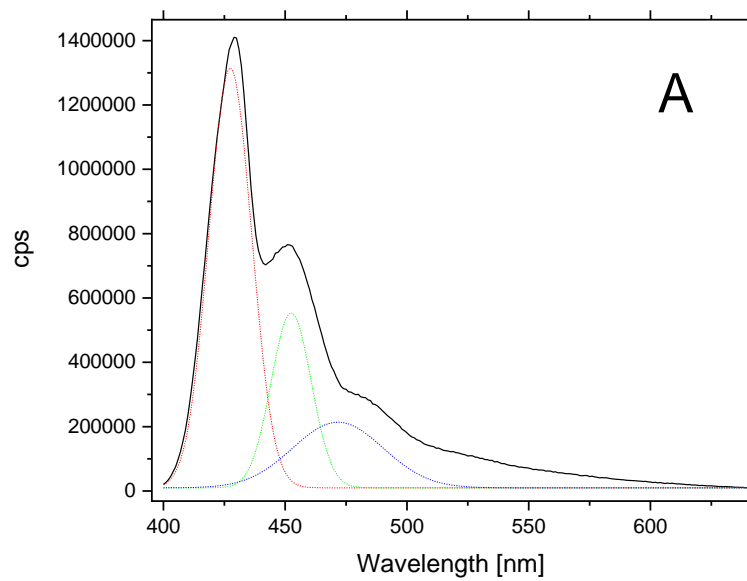
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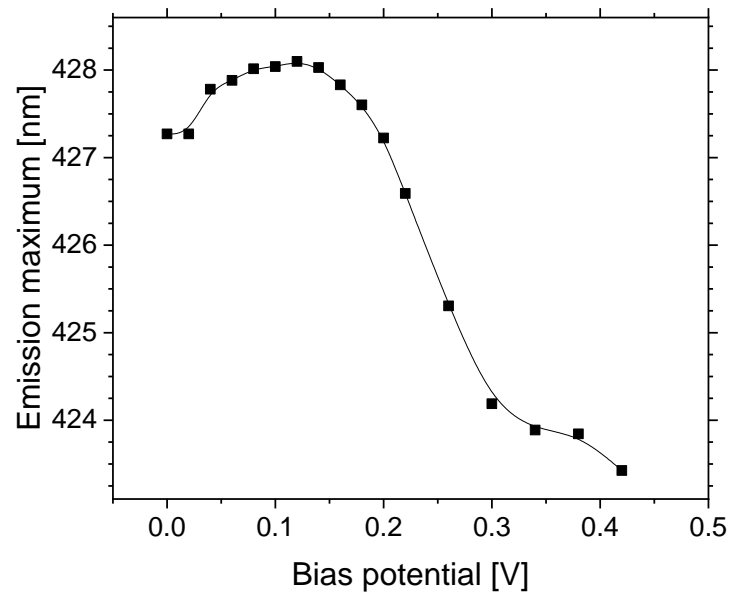
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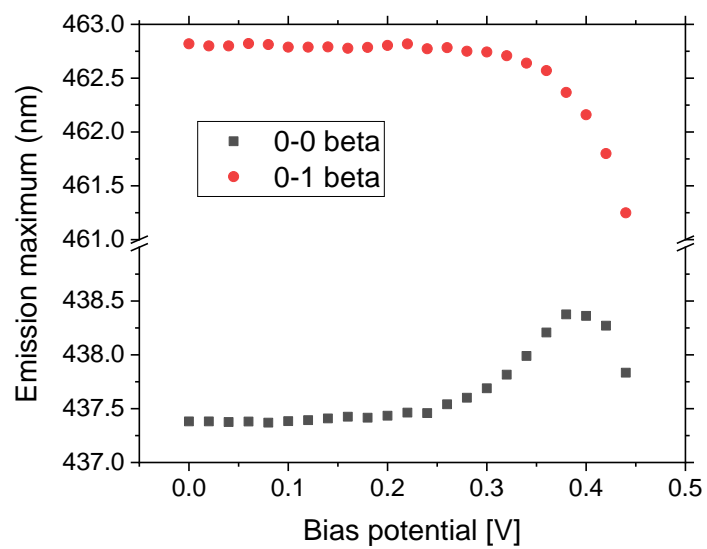
**Fig. S1.** Stabilized cyclic voltammograms of PFO deposited on an ITO substrate in 0.1 M TBA in ACN solution at  $100 \text{ mV s}^{-1}$  with: A)  $\alpha$ -phase and B)  $\beta$ -phase.



**Fig. S2.** Deconvolution of fluorescence spectra of glassy (A) and  $\beta$ -containing phase (B) PFO.



**Figure S3:** Evolution of the 0-0 transition of PL spectra for glassy PFO at different bias potential.



**Figure S4:** Evolution of the 0-0 and 0-1 transitions of PL spectra for  $\beta$ -containing PFO at different bias potential.