

## *Supporting Information*

# Doxorubicin Imprinted Photoluminescent Polymer as a pH-responsive Nanocarrier

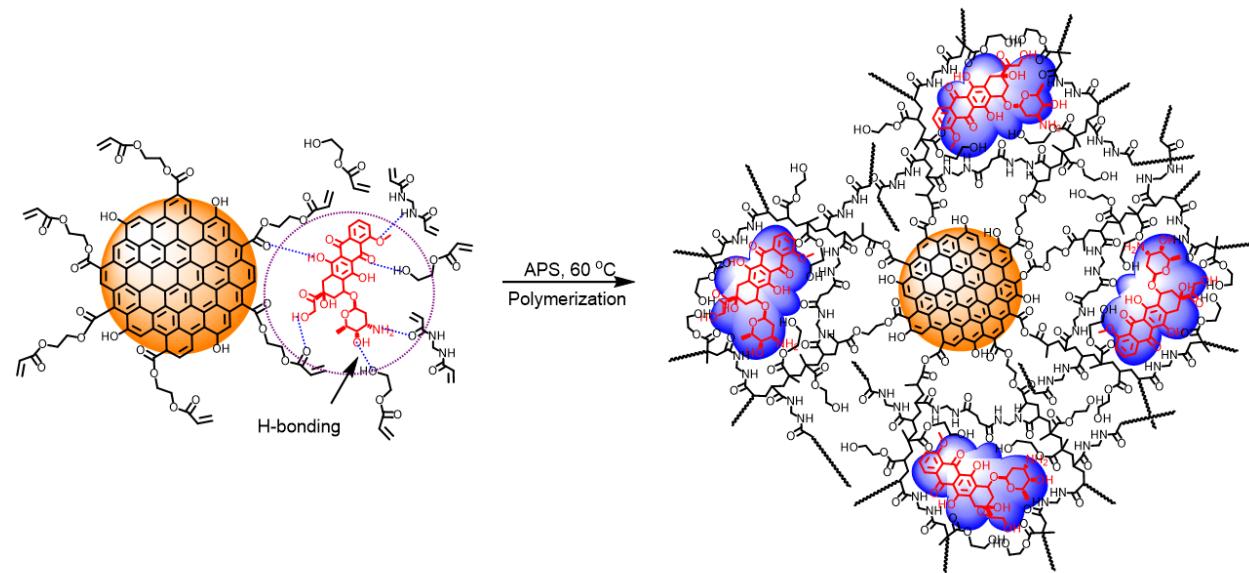
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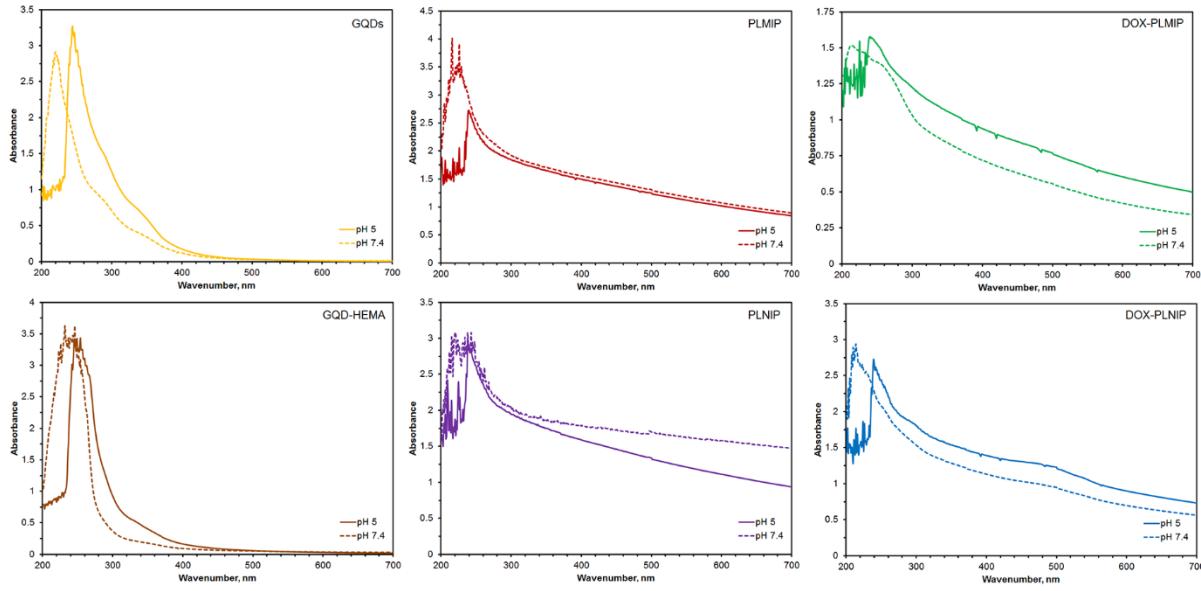
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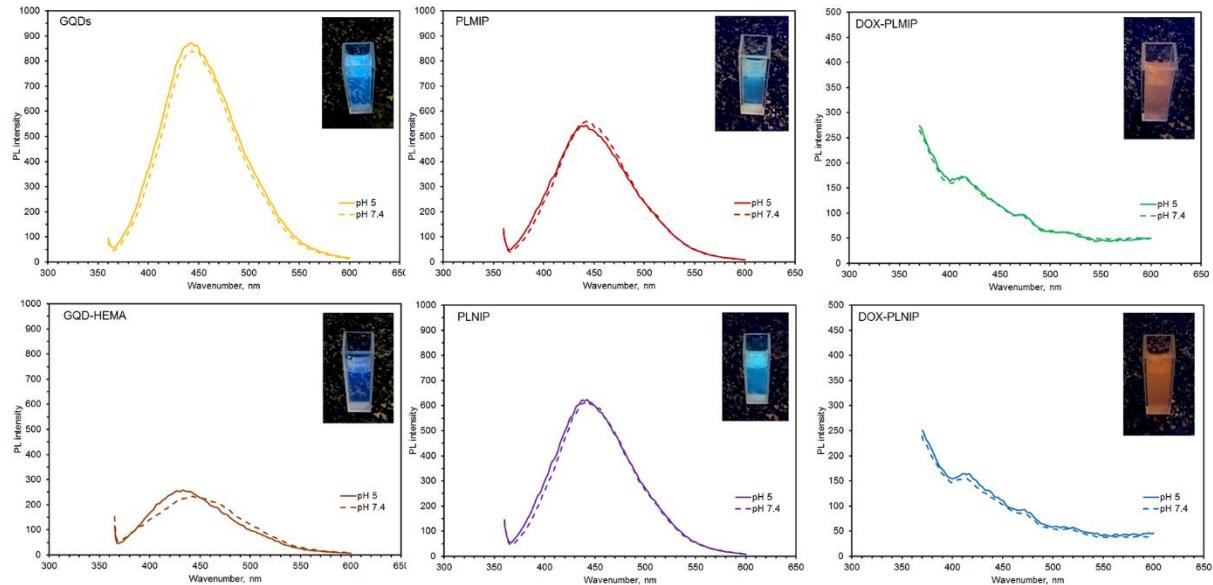
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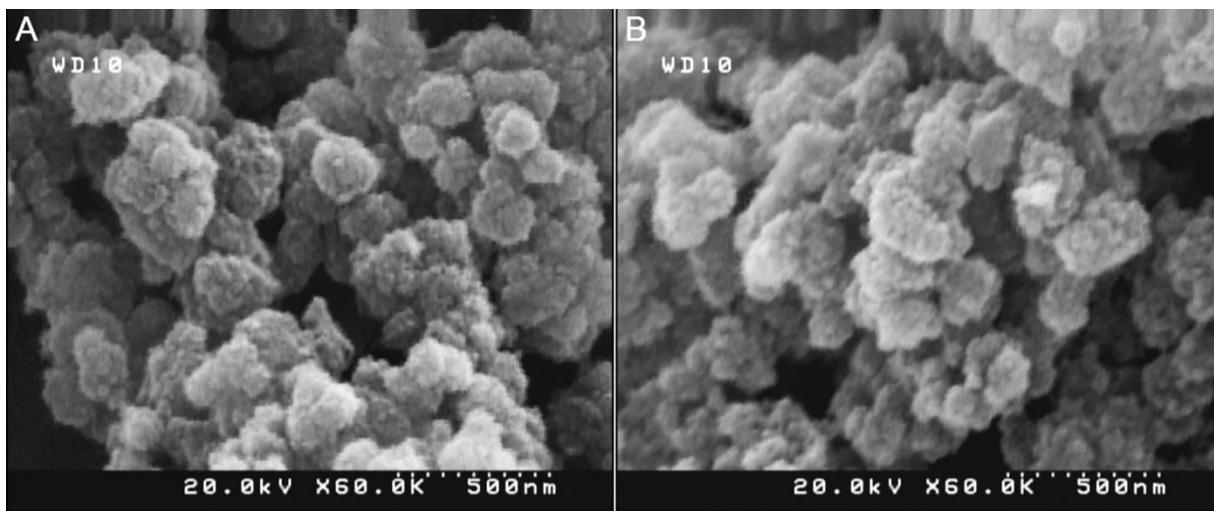
**Scheme S1.** Proposed mechanism for the formation of PLMIP.



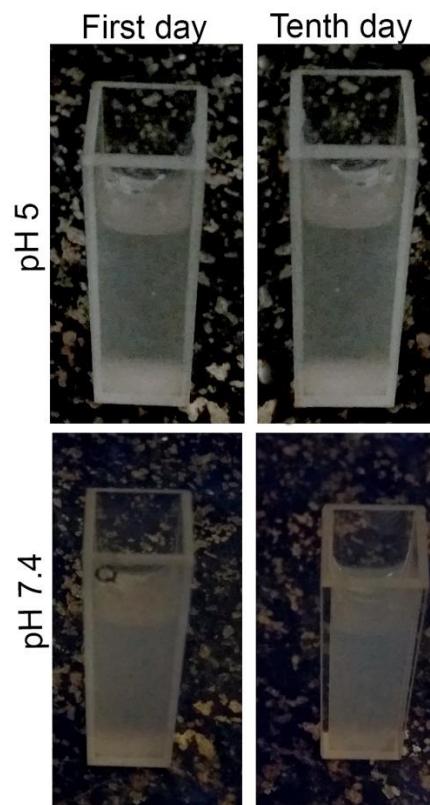
**Fig. S1.** UV-Vis spectra for GQDs, GQD-HEMA, PLMIP, PLNIP, DOX-PLMIP and DOX-PLNIP in different pH (pH 5 and 7.4).



**Fig. S2.** PL spectra for GQDs, GQD-HEMA, PLMIP, PLNIP, DOX-PLMIP and DOX-PLNIP in different pH (pH 5 and 7.4).



**Fig. S3.** SEM images of DOX-PLMIP (A) and DOX-PLNIP (B).



**Fig. S4.** Colloidal stability of PLMIP in PBS buffered solution.