

Supporting Information

Quadruple hydrogen bonds and thermo-triggered hydrophobic interactions generate dynamic hydrogels to modulate transplanted cell retention

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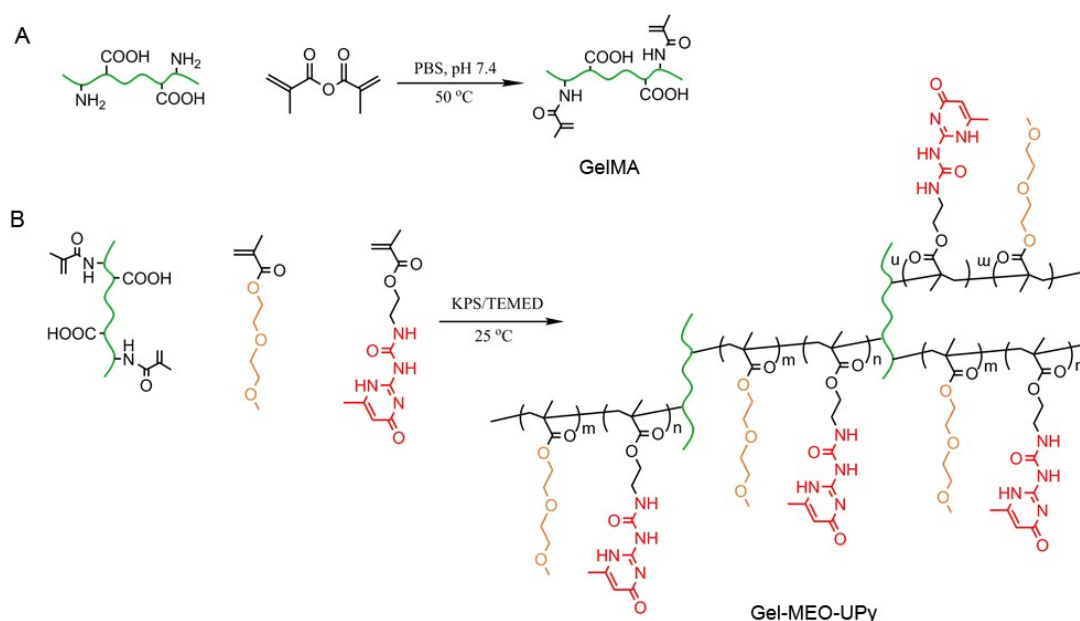


Fig. S1 The synthesis route of (A) GelMA, and (B) branched supramolecular polymer Gel-MEO-UPy by one-pot free radical polymerization.

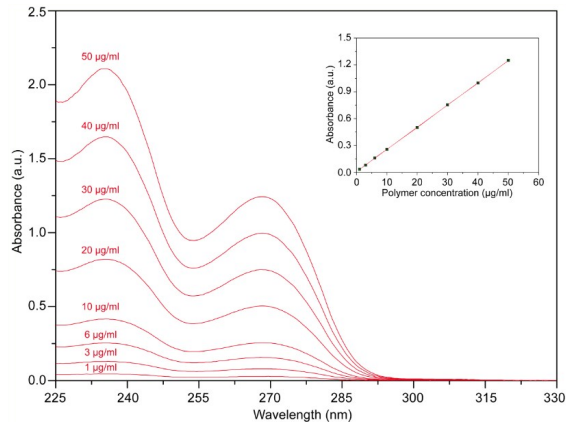


Figure S2. UV spectra of UPyMA monomer at different concentrations.

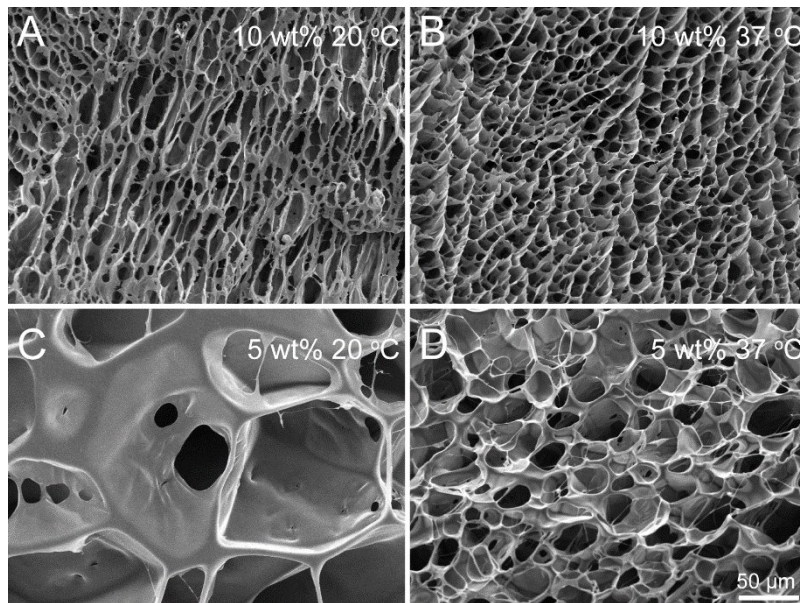


Figure S3. SEM images of lyophilized 5 wt% and 10 wt% Gel-MEO-UPy hydrogels after being incubated at different temperatures.

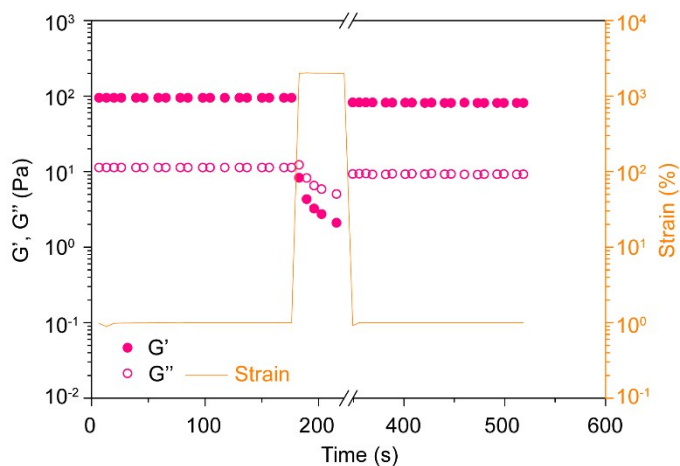


Figure S4. Cyclic strain sweep measurement of 10 wt% Gel-MEO-UPy hydrogel with applied oscillatory strain being alternated between 1% and 2000% at 37 °C, with introducing resting time 2 min before applying the 1% strain sweep.

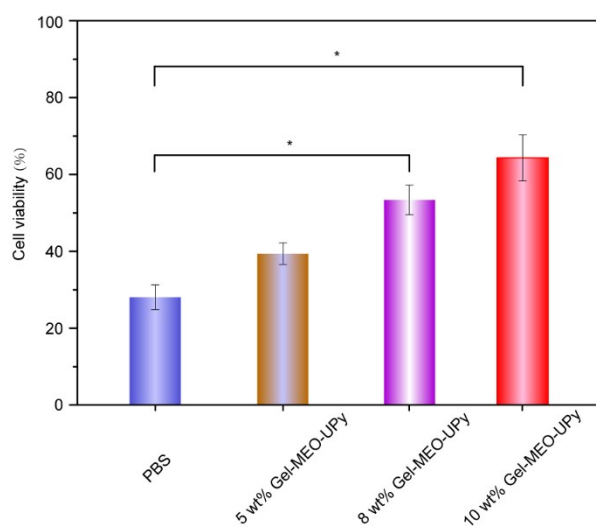


Figure S5. The viability of BMSCs in the supramolecular polymer solutions with varied concentrations after syringe injection (22 Gauge) at 20 °C, * refers $p < 0.05$.