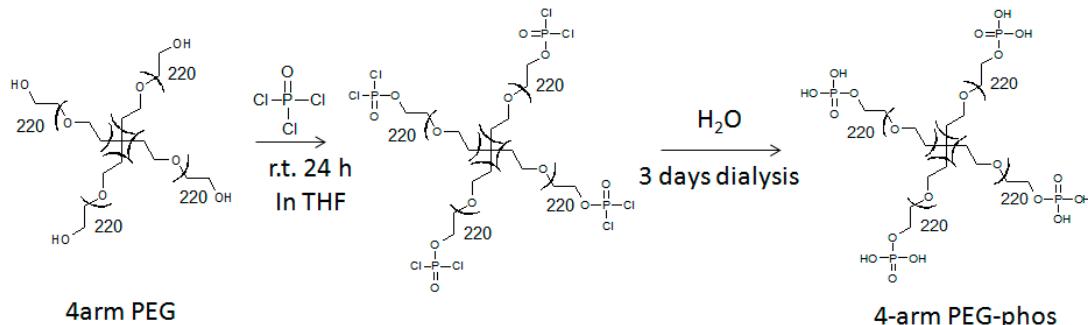


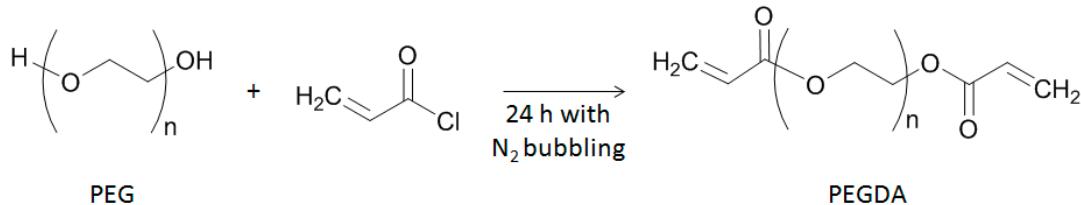
Supplementary Materials: An Intriguing Method for Fabricating Arbitrarily Shaped “Matreshka” Hydrogels Using a Self-Healing Template

Takeshi Sato, Koichiro Uto, Takao Aoyagi and Mitsuhiro Ebara

A



B



Scheme S1. Synthesis of 4-arm PEG-phos (A) and PEGDA (B).

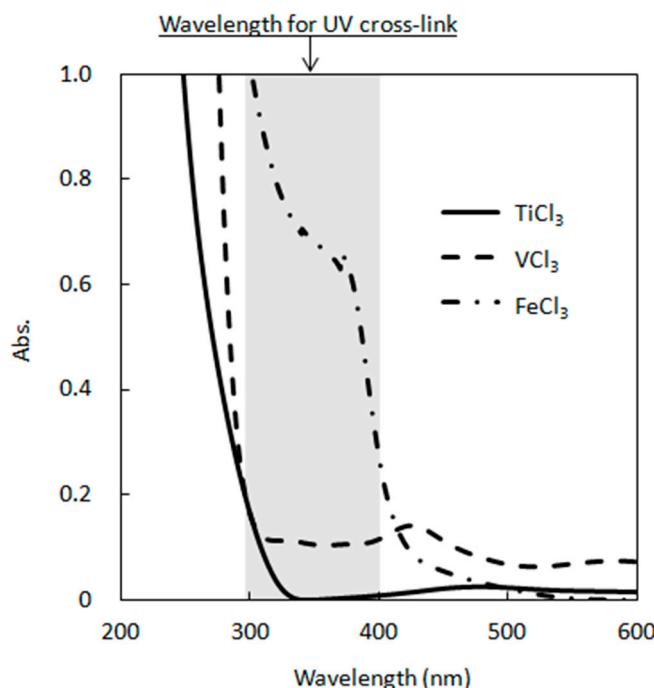


Figure S1. Absorbance spectra of FeCl_3 , TiCl_3 and VCl_3 aqueous solution (8.3×10^{-3} M each). FeCl_3 solution shows the absorbance wavelength of 300–400 nm. This wavelength range is utilized for UV crosslinking of PEGDA gel [1,2].

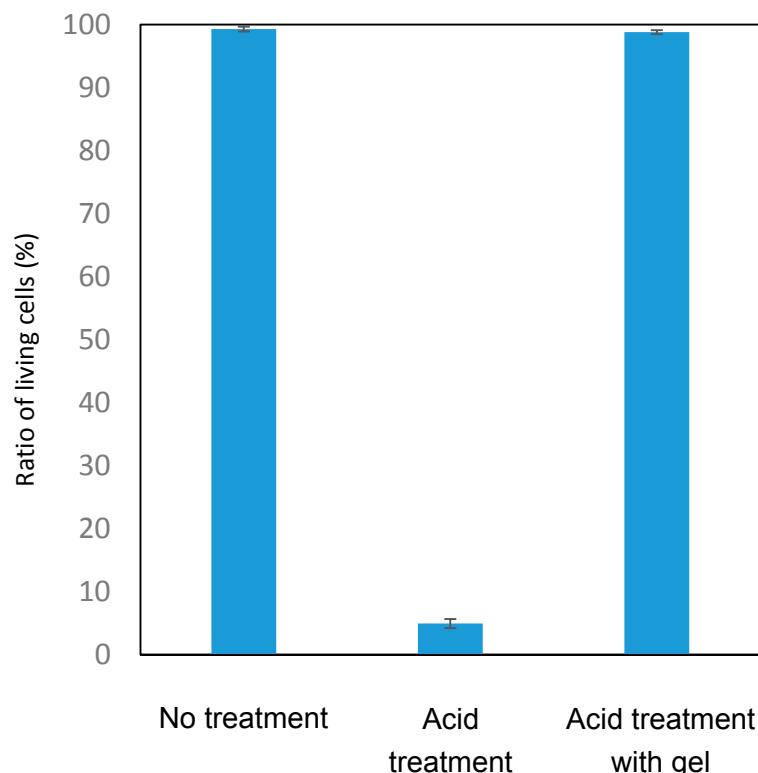


Figure S2. Cell viabilities obtained from live/dead assays.

References

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2. Calldorera-Moore, M.; Kang, M.K.; Moore, Z.; Singh, V.; Sreenivasan, S.V.; Shi, L.; Huang, R.; Roy, K. Swelling behavior of nanoscale, shape- and size-specific, hydrogel particles fabricated using imprint lithography. *Soft Matter* **2011**, *7*, 2879–2887.