Electronic Supplementary Material (ESI) for Biomaterials Science.

In situ-forming click-crosslinked gelatin based hydrogels for 3D culture of thymic epithelial cells

Vinh X. Truong [a,‡], Michael L. Hun [b,‡], Fanyi Li [a], Ann P. Chidgey [b,*], John S. Forsythe [a,*]

[a] Department of Material Science and Engineering, Monash Institute of Medical Engineering, Monash University, Victoria 3800, Australia

[b] Stem Cells and Immune Regeneration Laboratory, Department of Anatomy and Developmental Biology, Monash University, Victoria 3800, Australia

[‡] These authors contributed equally

* Equal corresponding authors.

Supplementary Information

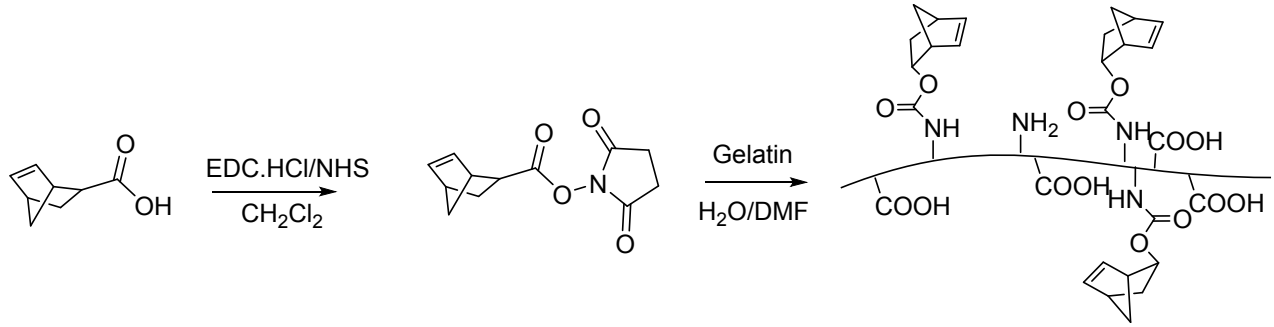

Fig. S1. Synthesis scheme of Gelatin-Nb

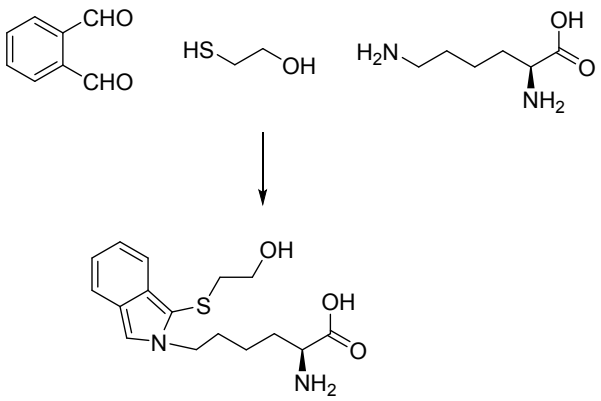

Fig. S2. Reaction scheme for the fluoraldehyde assay of primary amines using lysine as the standard.

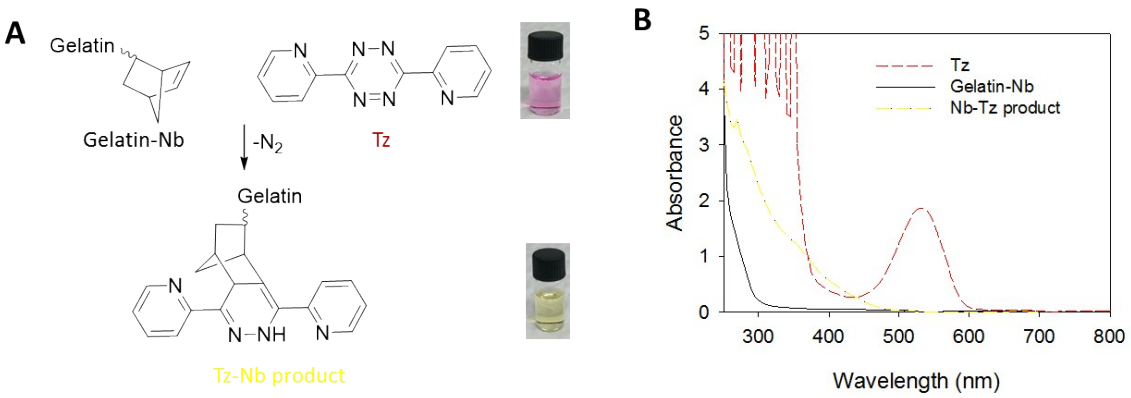

Fig. S3. (**A**) Reaction scheme of the titration of gelatin-Nb with a reactive tetrazine (Tz) solution, Tz solution in DMF/water (3/2 v/v, 1 µM) was slowly added to a solution of gelatin-Nb in DMF/water (3/2 v/v, 1 wt%) under rapid stirring, the end point was decided when the mixing solution did not change colour from purple to yellow, this was also confirmed by UV-Vis scan ; (**B**) UV-Vis scan of the Gelatin-Nb, reactive Tz and Nb-Tz product solutions.