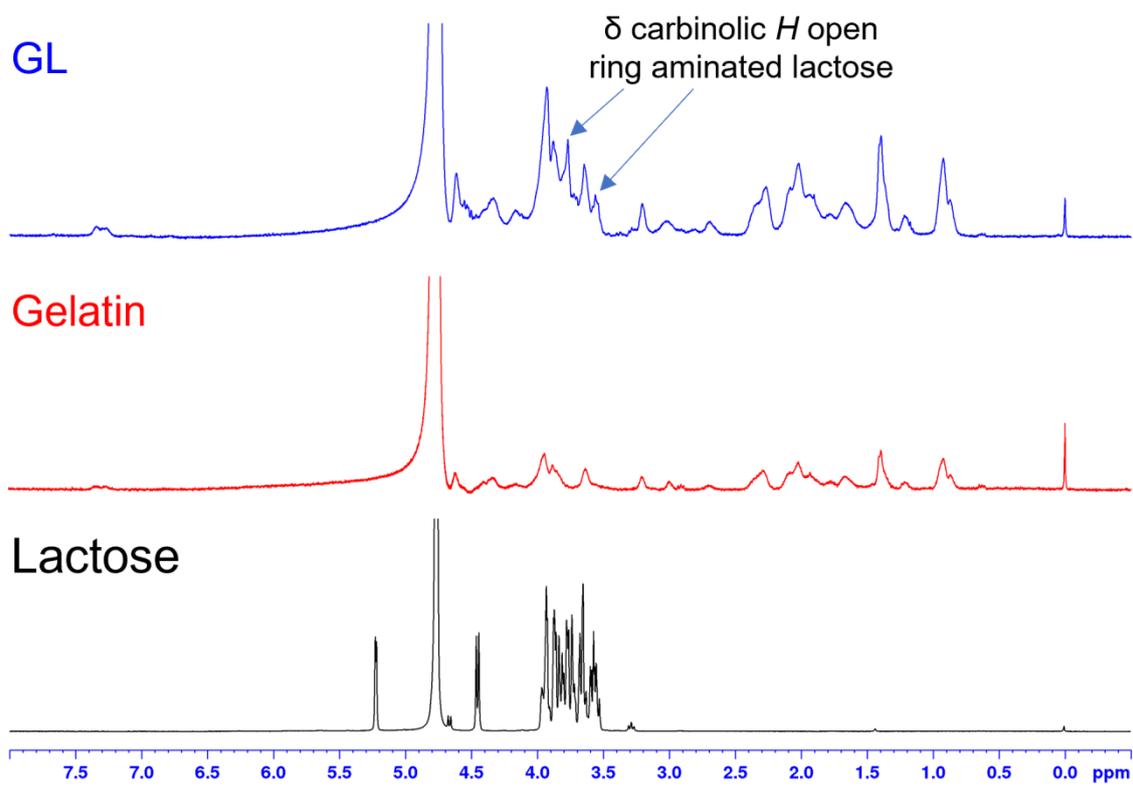


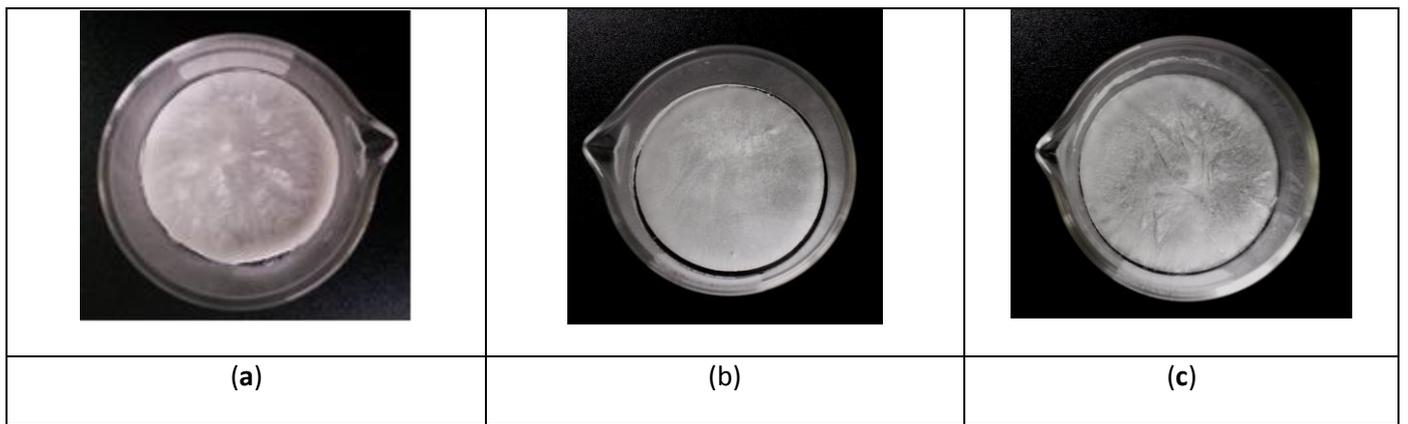
## Supplementary Information

### **Bioconjugation of Carbohydrates to Gelatin Sponges Promoting 3D Cell Cultures**

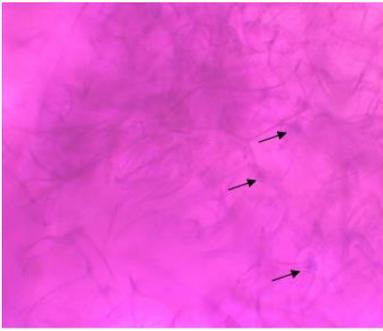
Antonietta Pepe <sup>1,\*</sup>, Antonio Laezza <sup>1</sup>, Angela Ostuni <sup>2</sup>, Alessandra Scelsi <sup>1</sup>, Alessandro Laurita <sup>3</sup> and  
Brigida Bochicchio <sup>1,\*</sup>



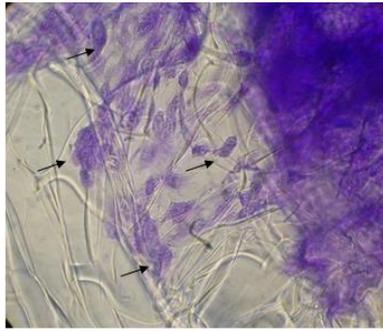
**Figure S1. Characterization of gelatin derivatives by  $^1\text{H}$  NMR spectra recorded in  $\text{D}_2\text{O}$  at 289 K.**  $^1\text{H}$  NMR spectra of lactose (black curve), gelatin (red curve) and GL (blue curve).



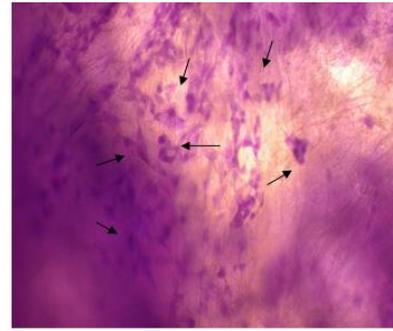
**Figure S2.** Images of the GS (a), GS-M (b) and GS-L (c) sponges after freeze-drying.



GS-x



GS-Lx



GS-Mx

**Figure S3.** Microscope images of HepG2 cells grown on GS-x, GS-Lx, and GS-Mx sponges for 13 days, stained with crystal violet. Arrows indicate cells.