

Supplementary Materials: Lignin–Cobalt Nano-Enabled Poly(pseudo)rotaxane Supramolecular Hydrogel for Treating Chronic Wounds

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Supplementary information:

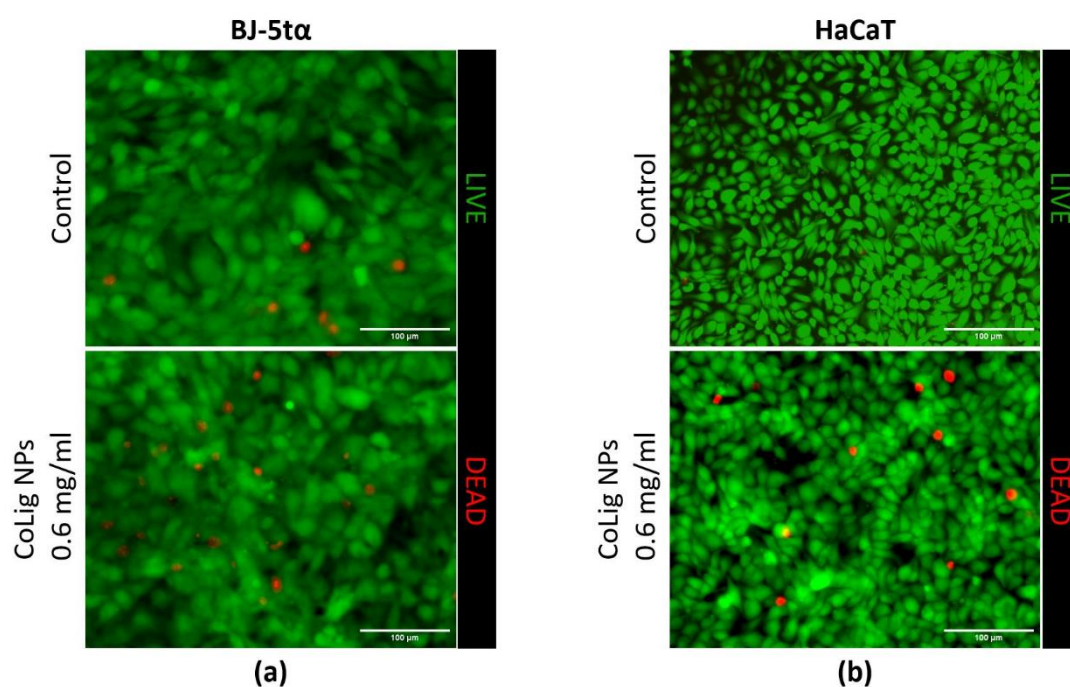


Figure S1. Live/dead assay for human fibroblast (BJ-5ta) and keratinocytes (HaCaT) treated with CoLig NPs at a cytocompatible concentration of 0.6 mg/ml.

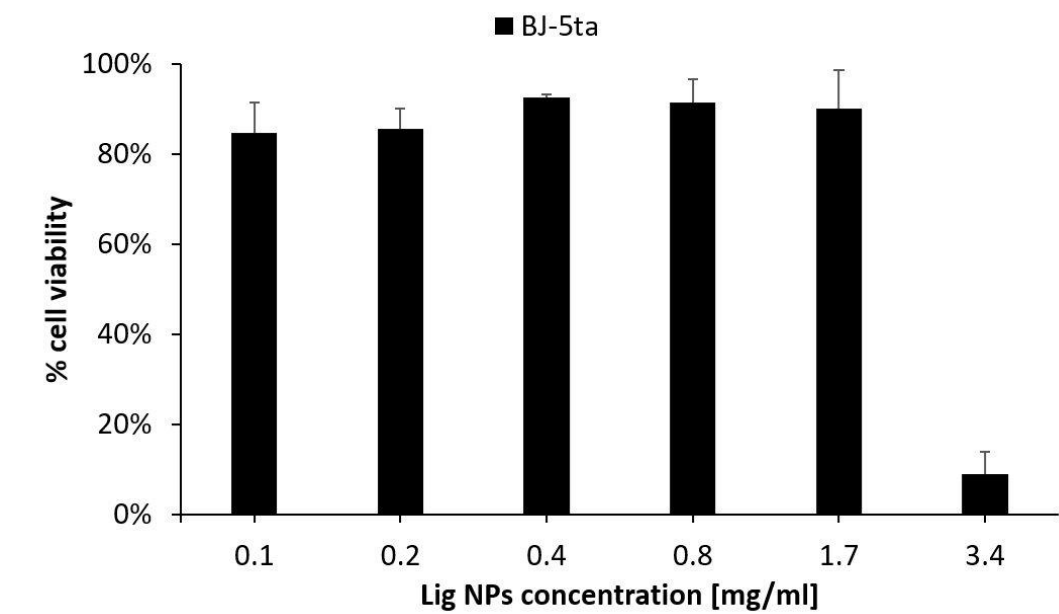


Figure S2. Cytotoxicity of Lig NPs against human fibroblast (BJ-5ta).

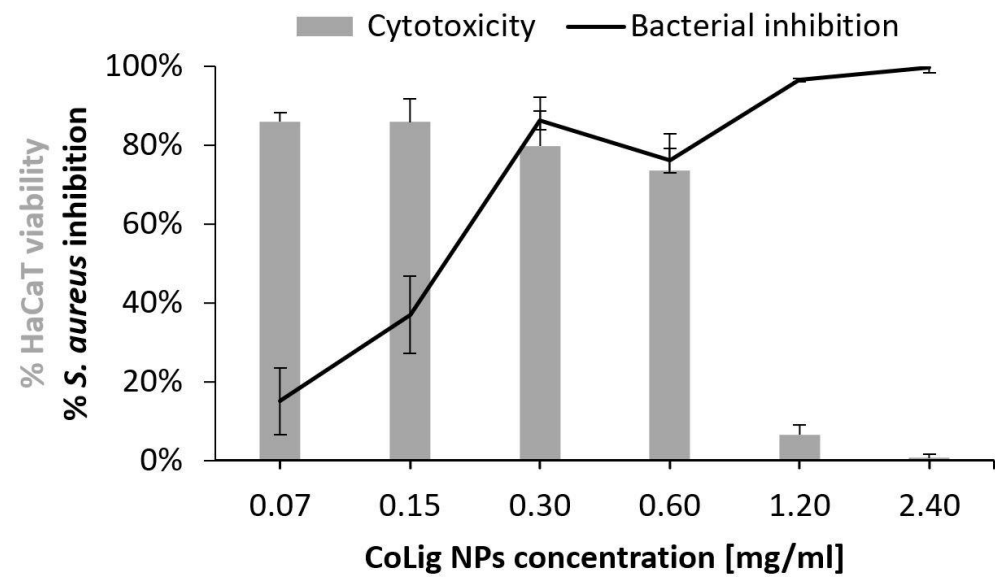


Figure S3. Comparison between cytotoxicity toward HaCaT and *S. aureus*-inhibitory ability of CoLig NPs.

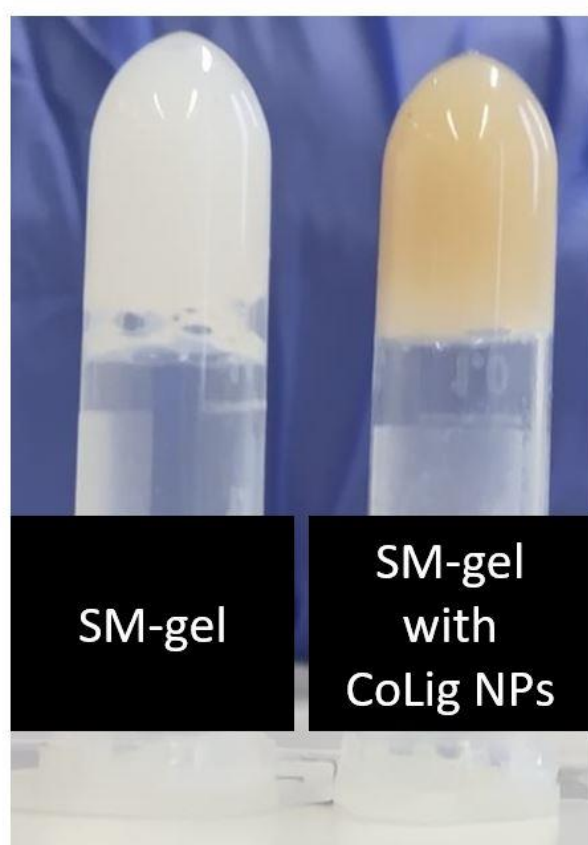


Figure S4. SM-gel with and without CoLig NPs. The result of the CoLig NPs integration is a homogeneous hydrogel with brown coloration related to the presence of lignin.

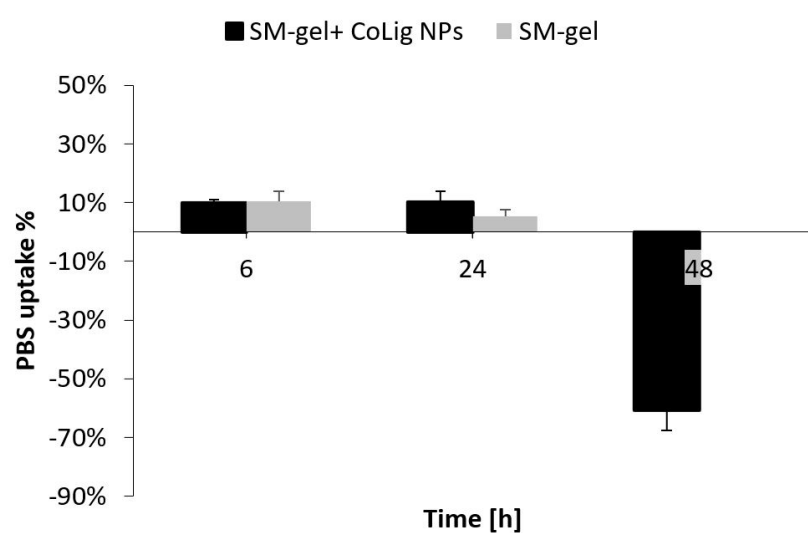


Figure S5. PBS uptake % of SM-gel with and without CoLig NPs.

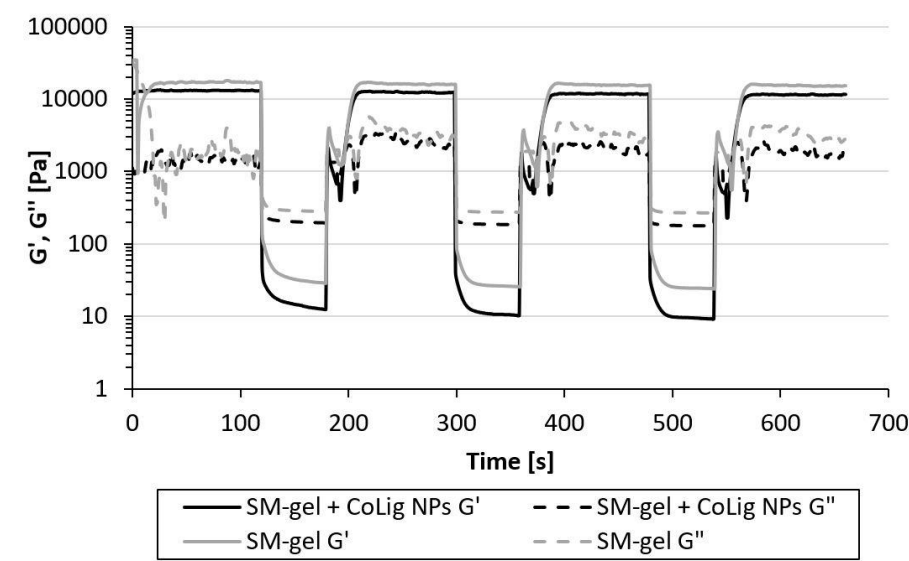


Figure S6. Self-healing strain tests for the SM-gel with and without CoLig NPs.

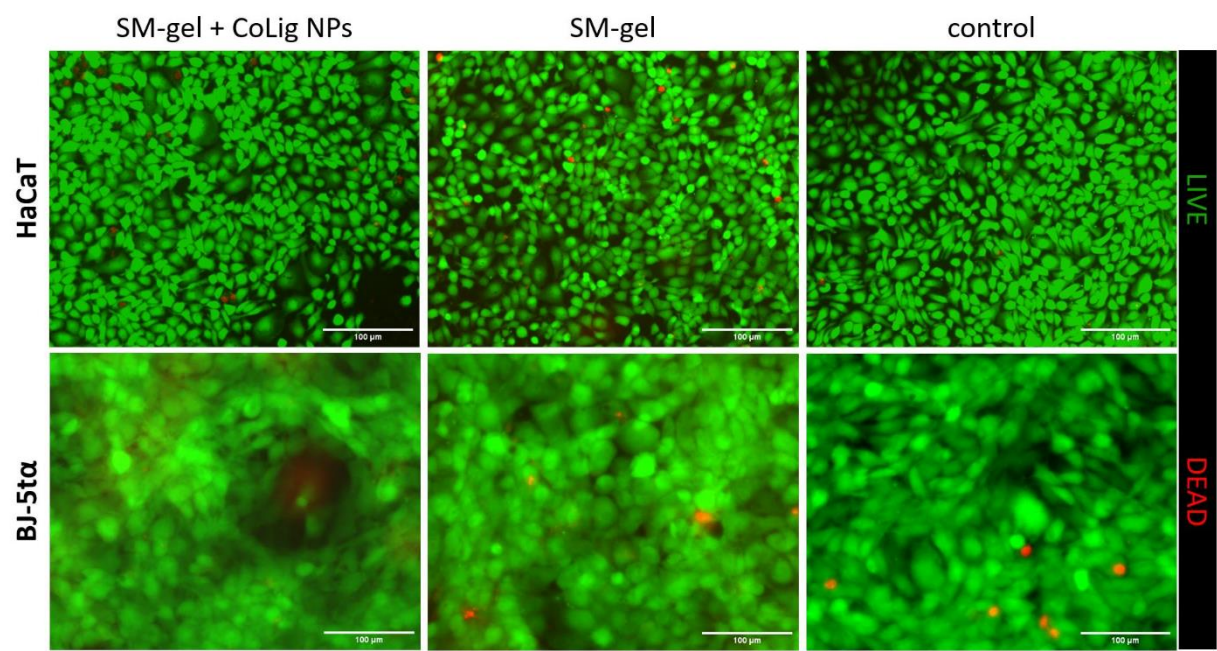


Figure S7. Live/dead assay for human fibroblast (BJ-5ta) and keratinocytes (HaCaT) treated with SM-gel with and without CoLig NPs.