Collection

Dynamic materials for tissue engineering

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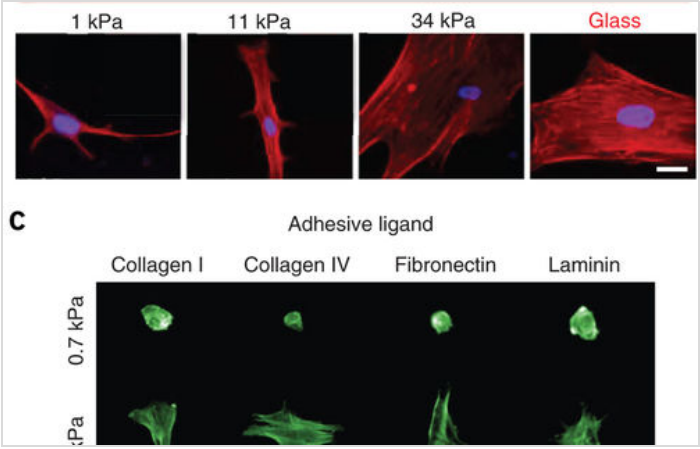

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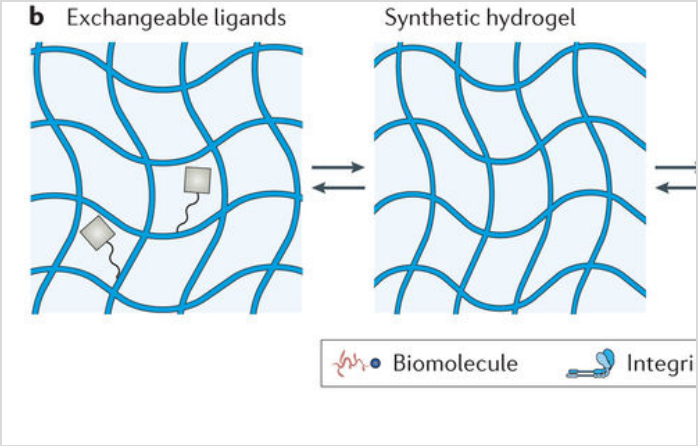

The design of reversible hydrogels to capture extracellular matrix dynamics

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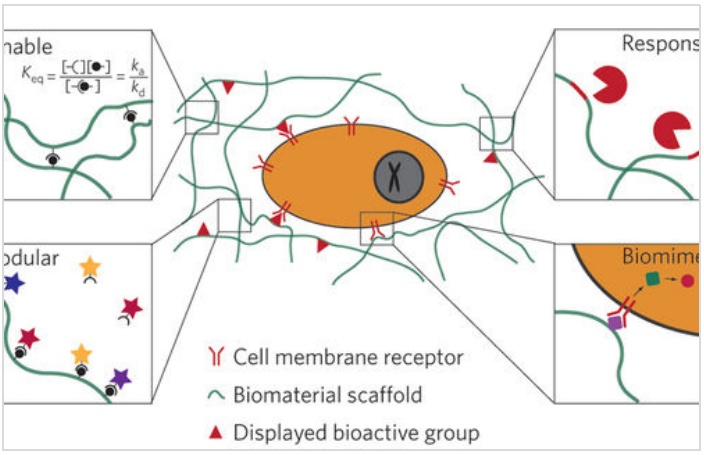

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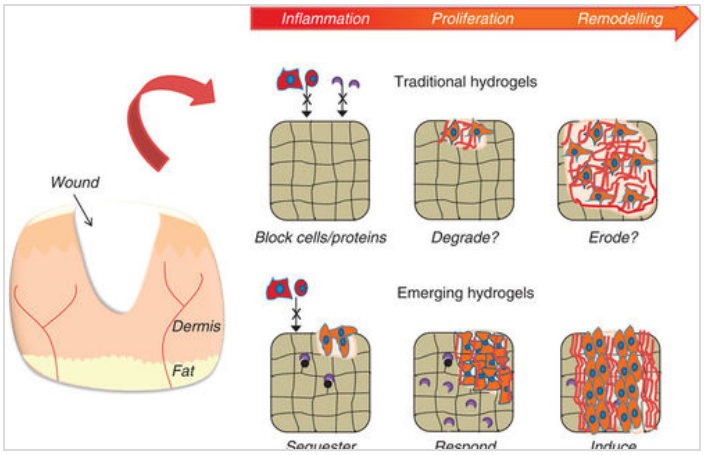

Moving from static to dynamic complexity in hydrogel design

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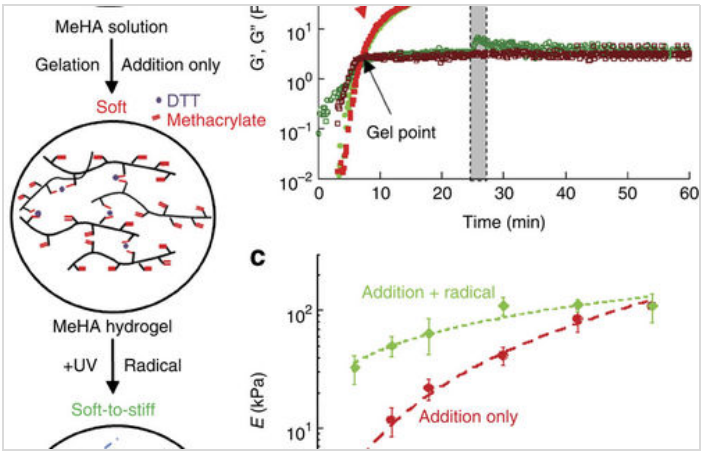

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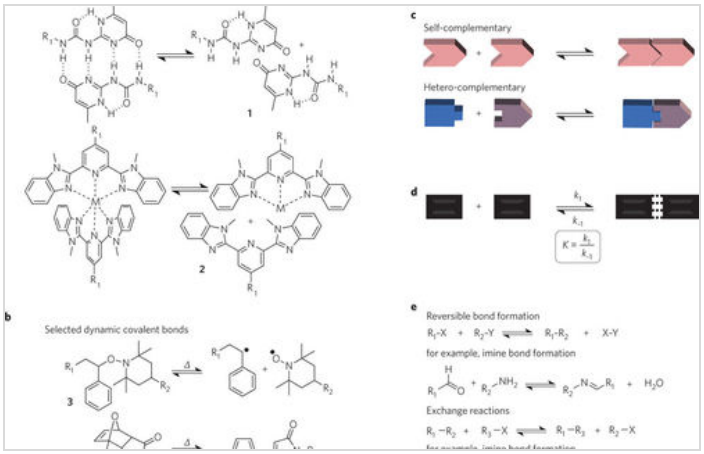

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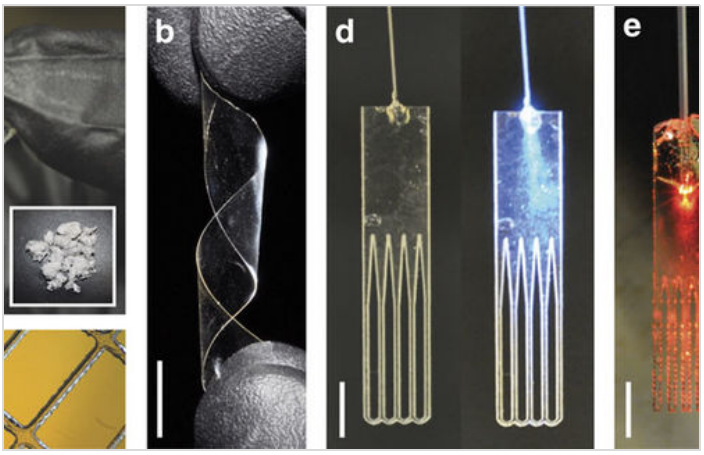

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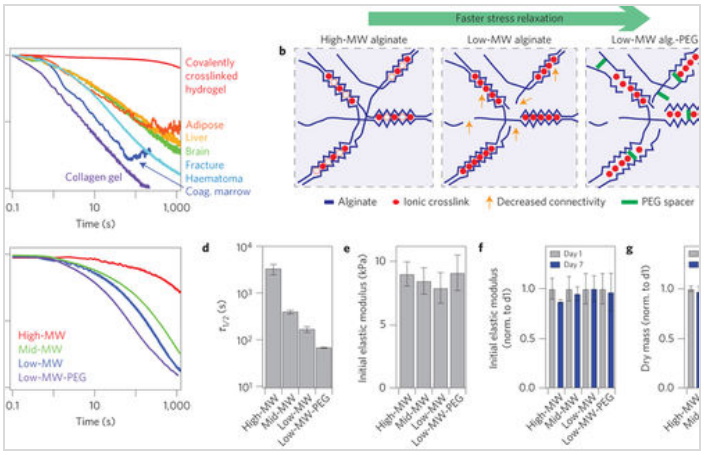

Hydrogels with tunable stress relaxation regulate stem cell fate and activity

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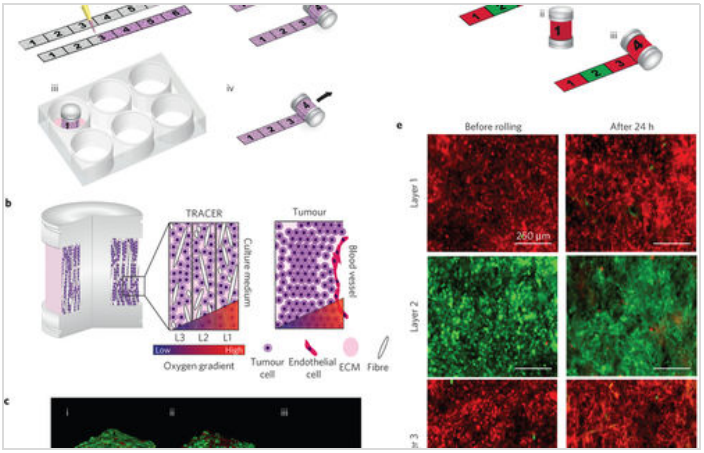

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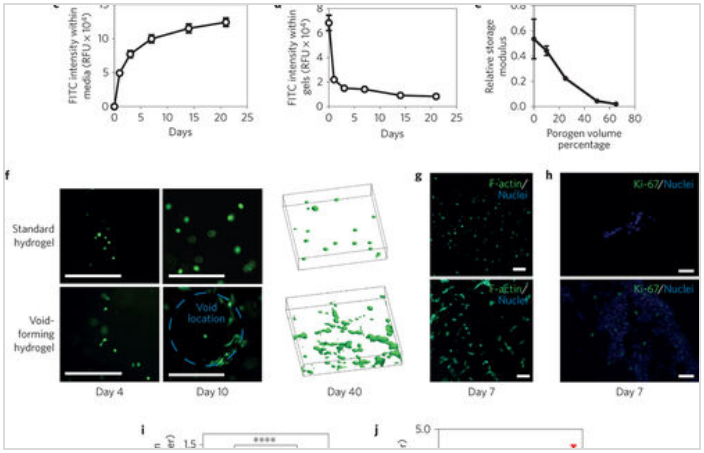

Matrix elasticity of void-forming hydrogels controls transplanted-stem-cell-mediated bone formation

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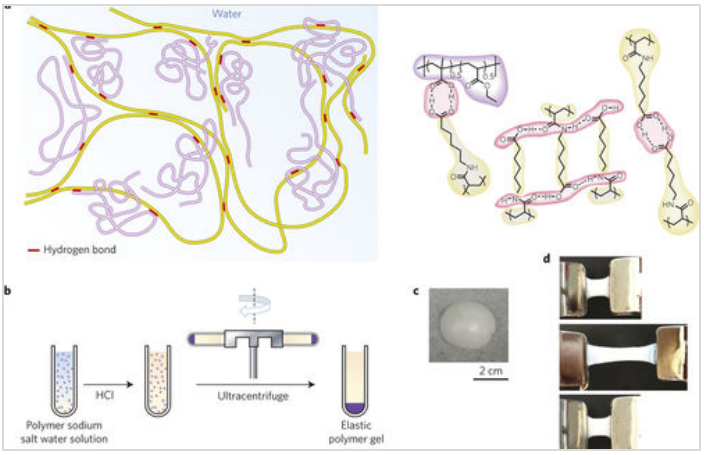

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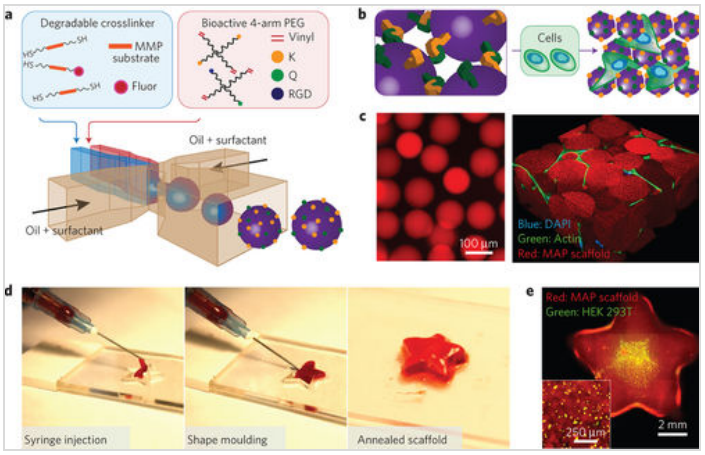

Accelerated wound healing by injectable microporous gel scaffolds assembled from annealed building blocks

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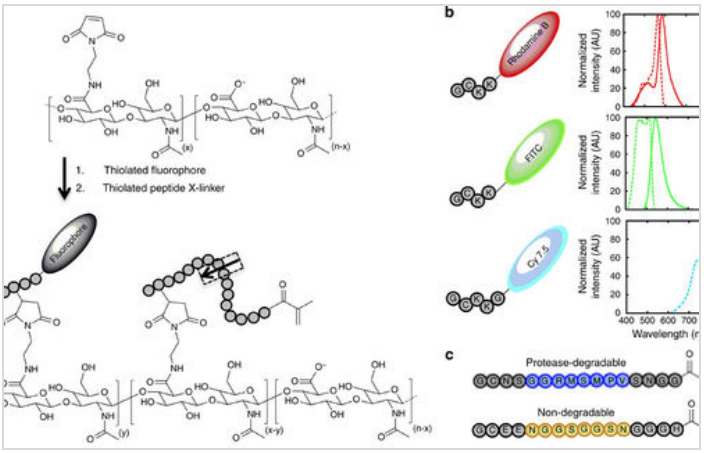

Protease-degradable electrospun fibrous hydrogels

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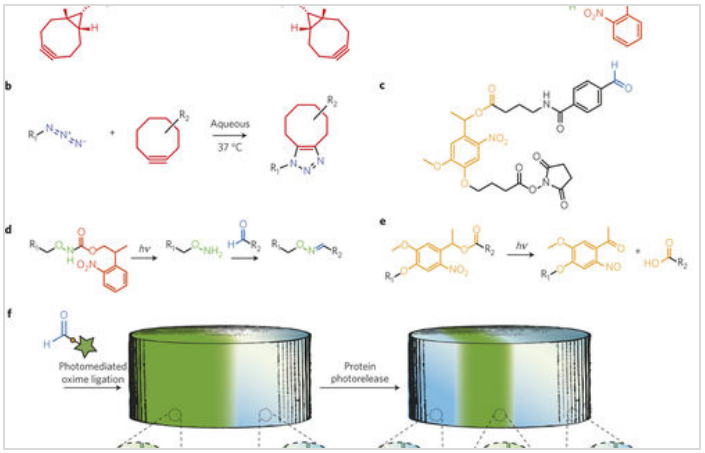

A photoreversible protein-patterning approach for guiding stem cell fate in three-dimensional gels

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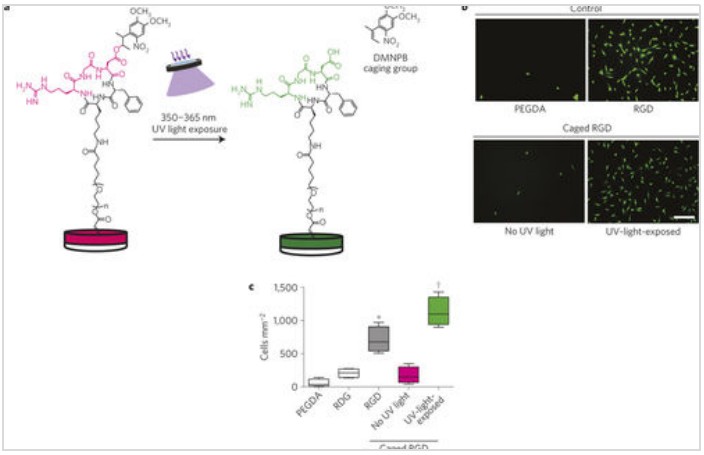

Light-triggered *in vivo* activation of adhesive peptides regulates cell adhesion, inflammation and vascularization of biomaterials

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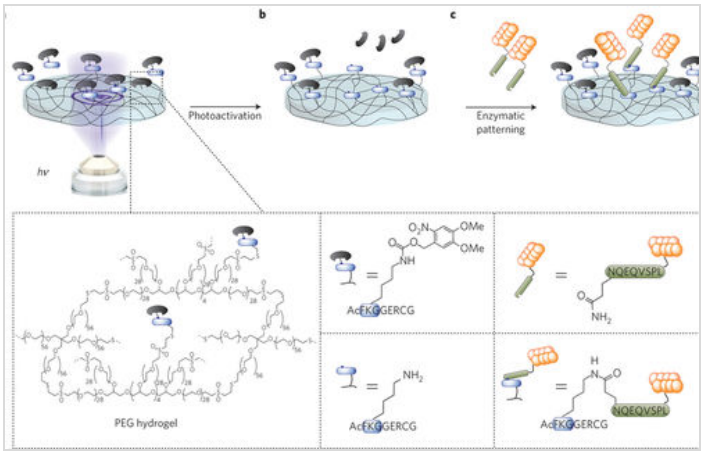

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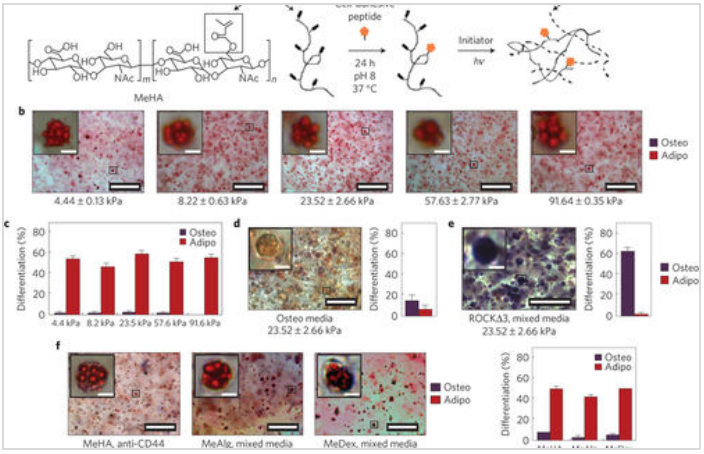

Degradation-mediated cellular traction directs stem cell fate in covalently crosslinked three-dimensional hydrogels

Adhesive interactions between stem cells and the extracellular matrix are known to… show more

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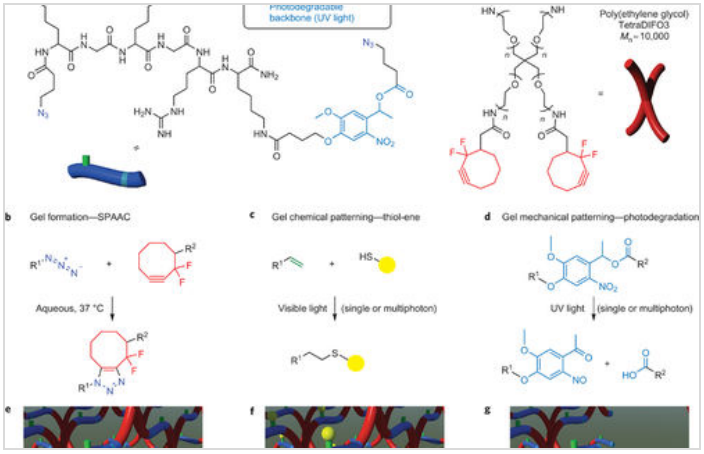

Cytocompatible click-based hydrogels with dynamically tunable properties through orthogonal photoconjugation and photocleavage reactions

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