

Biomaterials Science

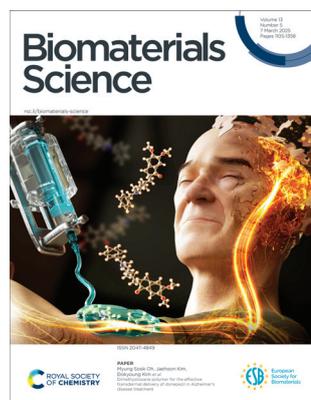
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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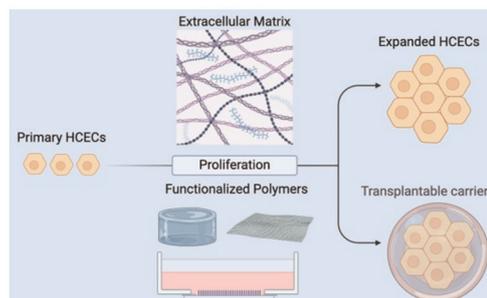
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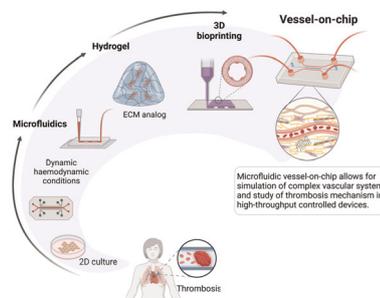
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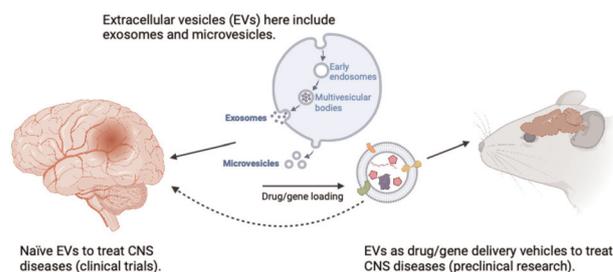
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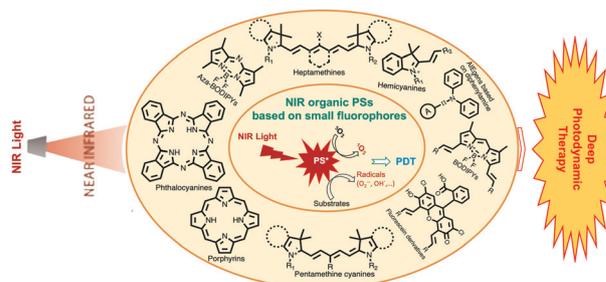


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Recent advances in near-infrared organic photosensitizers for photodynamic cancer therapy

Van-Nghia Nguyen,* Minh Viet Nguyen, Huong Pham Thi, Anh-Tuan Vu and Truong Xuan Nguyen

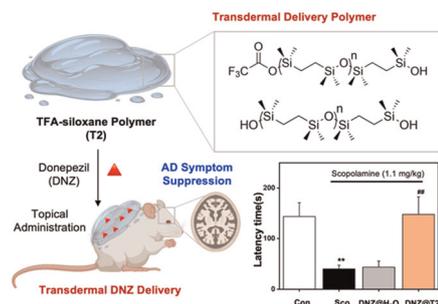


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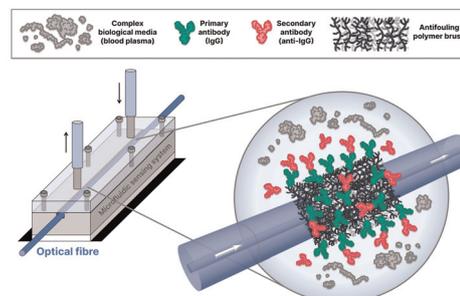
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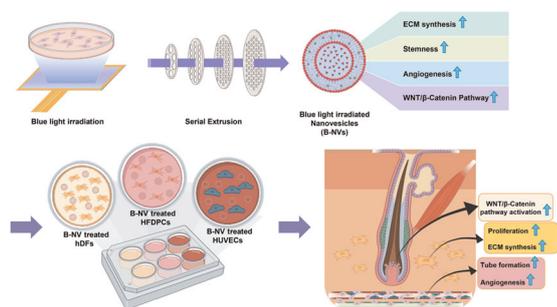
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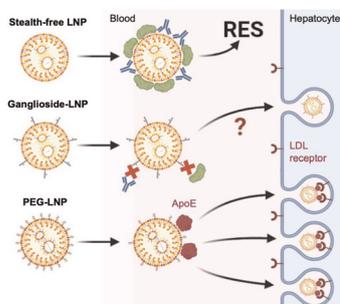
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Strengthening the cellular function of dermal fibroblasts and dermal papilla cells using nanovesicles extracted from stem cells using blue light-based photobiomodulation technology

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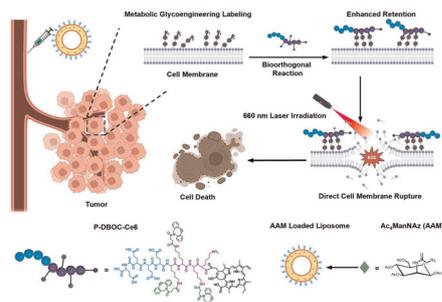
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Ganglioside-incorporating lipid nanoparticles as a polyethylene glycol-free mRNA delivery platform

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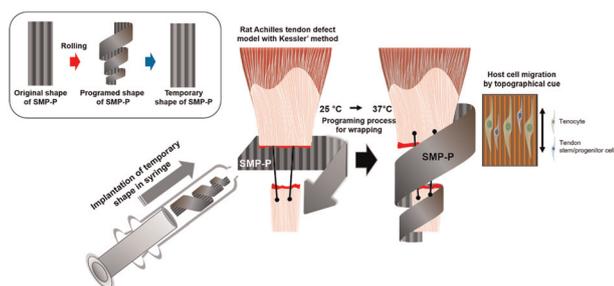
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Bioorthogonal reaction-mediated photosensitizer-peptide conjugate anchoring on cell membranes for enhanced photodynamic therapy

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Fabrication of a micropatterned shape-memory polymer patch with L-DOPA for tendon regeneration

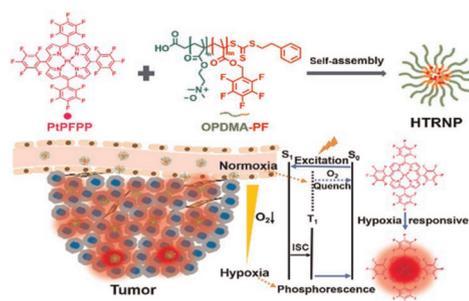
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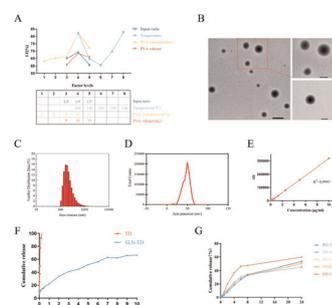
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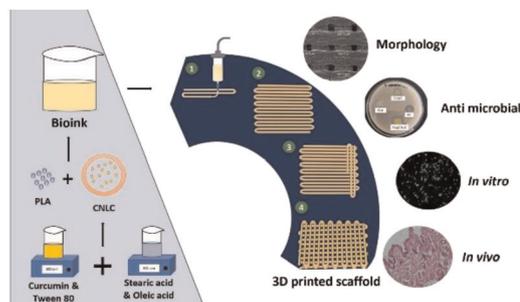
Zhixin Lei,* Xiaoli Cai, Juan Wan, Ze Li* and Taolei Sun*



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3D bioprinted poly(lactic acid) scaffolds infused with curcumin-loaded nanostructured lipid carriers: a promising approach for skin regeneration

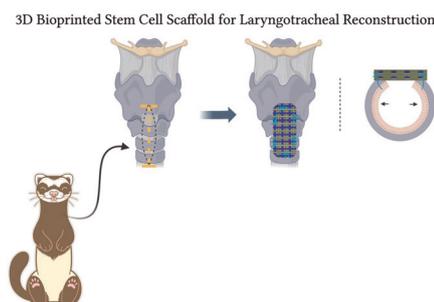
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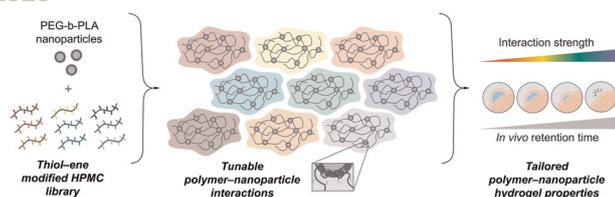
3D bioprinted ferret mesenchymal stem cell-laden cartilage grafts for laryngotracheal reconstruction in a ferret surgical model

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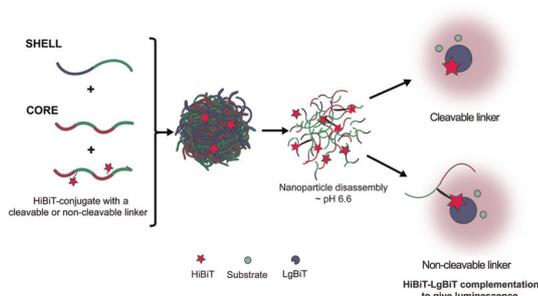
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A thiol-ene click-based strategy to customize injectable polymer-nanoparticle hydrogel properties for therapeutic delivery

Sophia J. Bailey, Noah Eckman, Elisa S. Brunel, Carolyn K. Jons, Samya Sen and Eric A. Appel*

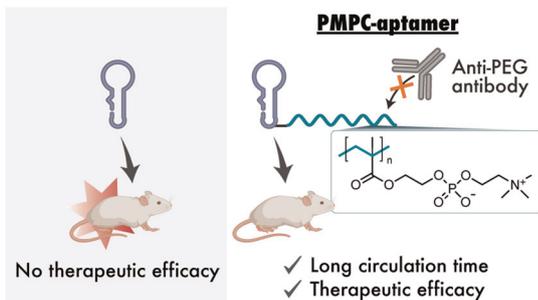
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Unravelling the endosomal escape of pH-responsive nanoparticles using the split luciferase endosomal escape quantification assay

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