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Cover

See Taichi Ito *et al.*,
pp. 4354–4362.

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EDITORIAL

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Introduction to “Biomedical Polymer Materials”

Huayu Tian* and Xuesi Chen*

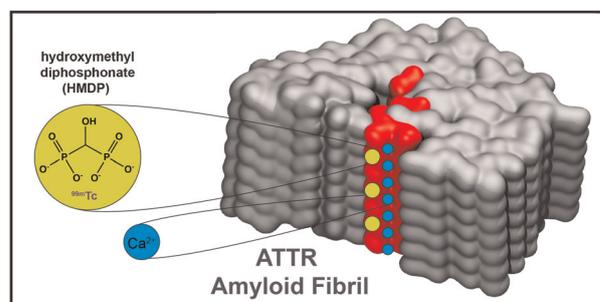


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Molecular basis for non-invasive diagnostics of cardiac amyloids using bone tracers

Emily Lewkowicz, Shobini Jayaraman and Olga Gursky*



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Functional structures assembled based on Au clusters with practical applications

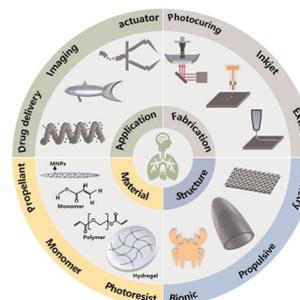
Hao Chen, Ligang Zou, Ekram Hossain, Yixin Li, Shaojun Liu, Yaoyang Pu and Xiang Mao*



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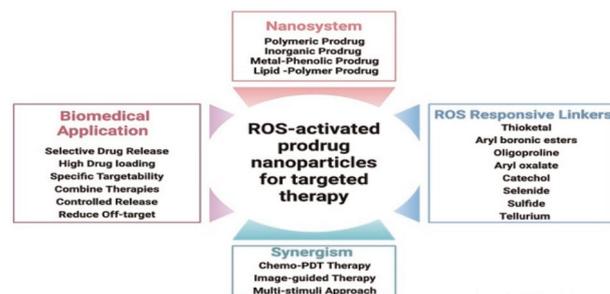
Kun Wei, Chenlong Tang, Hui Ma, Xingmiao Fang and Runhuai Yang*



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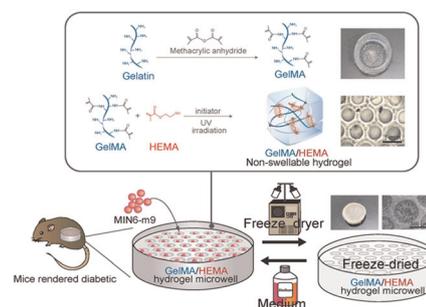


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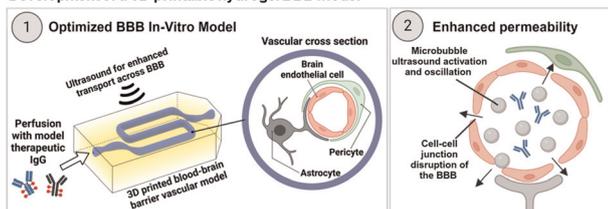
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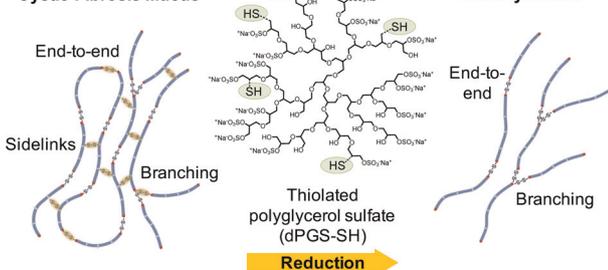
Development of a 3D printable hydrogel BBB model

Development of a 3D printed perfusable *in vitro* blood–brain barrier model for use as a scalable screening tool

Madison K. Royse, Martha Fowler, A. Kristen Mai, Yufang He, Marc R. Durante, Nicole Buist, Adam Procopio, Jun Xu* and Omid Veisheh*

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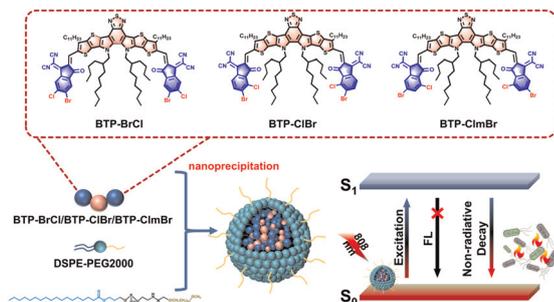
Cystic Fibrosis Mucus



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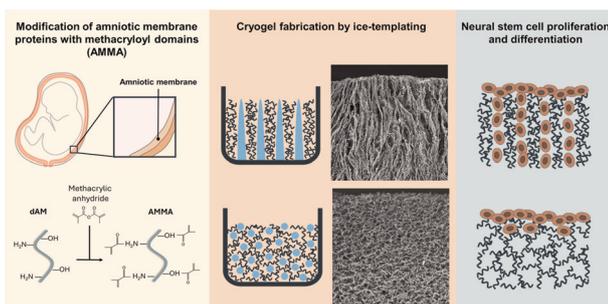
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Yue Zhao, Yuanyuan Cui, Shijie Xie, Ruilian Qi, Li Xu* and Huanxiang Yuan*

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Comparative analysis of aligned and random amniotic membrane-derived cryogels for neural tissue repair

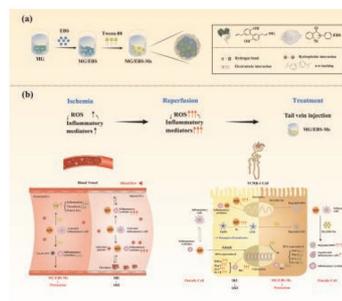
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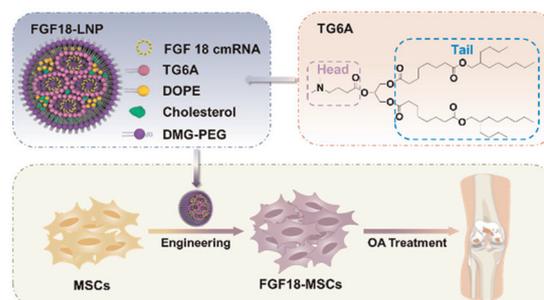
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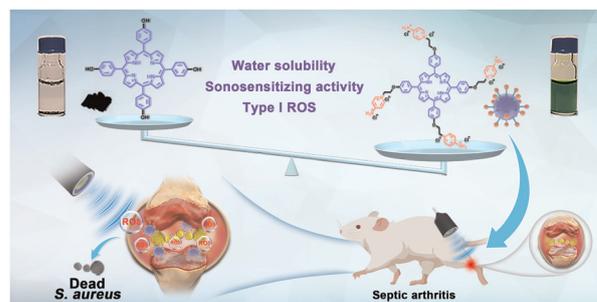
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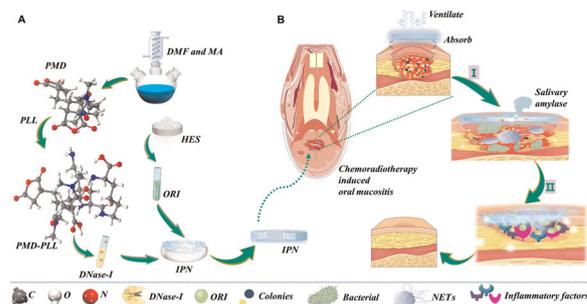
Yunxia Wang, Yicheng Xu, Rui Zhang, Jing Li, Yujie Cong, Ruipeng Li, Xiaoyu Wang, Hu Shi,* Shaowei Wang* and Liheng Feng*



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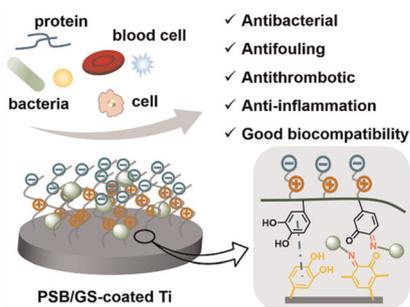
Effects of a semi-interpenetrating network hydrogel loaded with oridonin and DNase-I on the healing of chemoradiotherapy-induced oral mucositis

Yuxue Pan, Mengyuan Wang, Peng Wang, Hongliang Wei, Xiangjuan Wei, Dongmei Wang, Yongwei Hao, Yongxue Wang* and Hongli Chen*



PAPERS

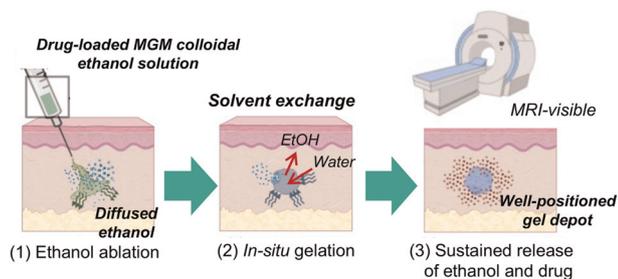
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Smart zwitterionic coatings with precise pH-responsive antibacterial functions for bone implants to combat bacterial infections

Qinsheng Hu, Yangrui Du, Yangjing Bai, Dandan Xing, Chengcheng Wu, Kaijun Li, Shiyong Lang, Xiaoyan Liu* and Gongyan Liu*

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Development of injectable colloidal solution forming an *in situ* hydrogel for tumor ablation

Seong Jin Choi, Sanghee Lee, Hyunjun Choi, Min Jun Ko, Donghwan Kim* and Dong-Hyun Kim*

CORRECTION

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Correction: Self-assembled methodologies for the construction of DNA nanostructures and biological applications

Rui Ye, Yuqi Wang,* Yan Liu, Ping Cai and Jie Song*

