

Biomaterials Science

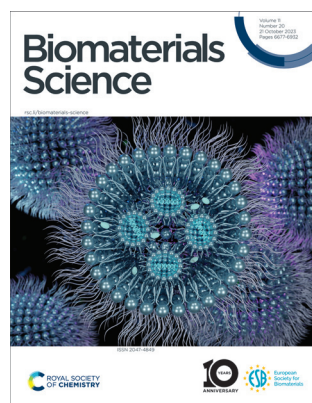
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Ryan Donnelly, Ester Caffarel-Salvador, Harvinder Gill and Hyungil Jung

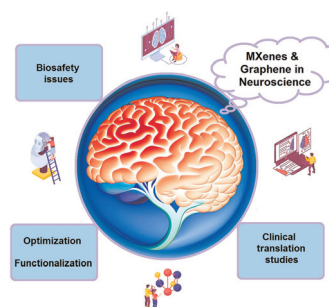


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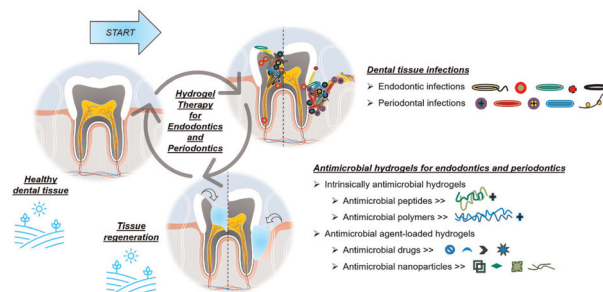


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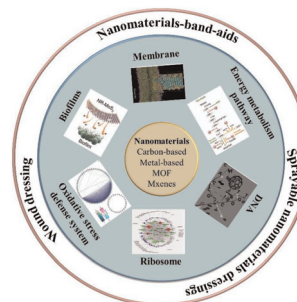
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Wanfeng Wu, Mengjiao Duan, Shuxuan Shao, Fanxing Meng, Yanan Qin* and Minwei Zhang*

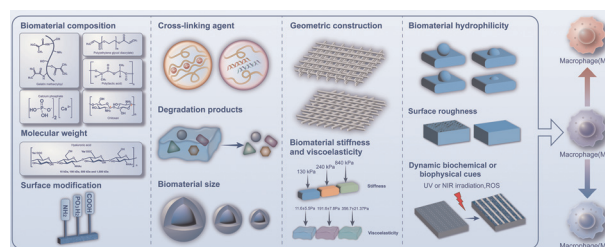


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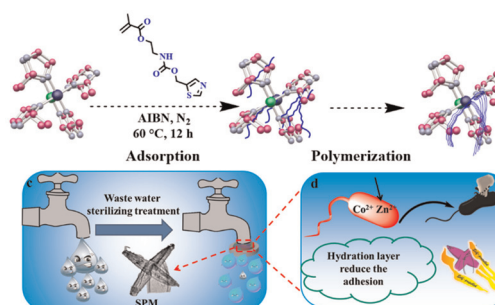
Fan Ding, Xinrui Li, Xu Chen, Yue Ma* and Guoqing Pan*



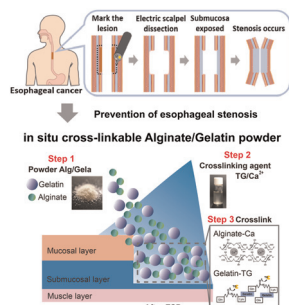
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Yaping Zhang, Duoxin Zhang, Yuanze Geng, Yufeng He, Pengfei Song and Rongmin Wang*



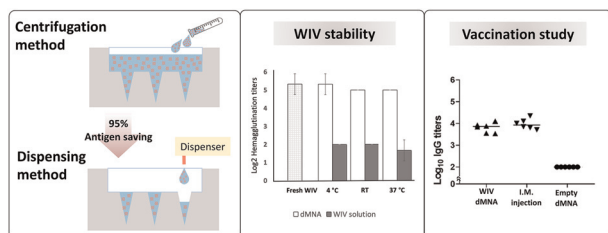
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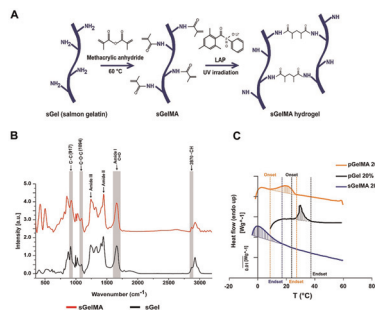
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Efficient fabrication of thermo-stable dissolving microneedle arrays for intradermal delivery of influenza whole inactivated virus vaccine

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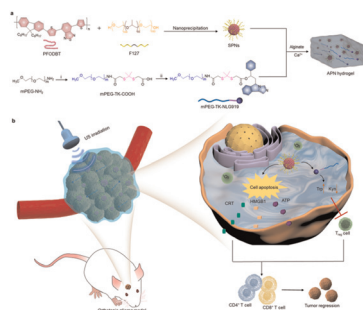
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An advanced biphasic porous and injectable scaffold displays a fine balance between mechanical strength and remodeling capabilities essential for cartilage regeneration

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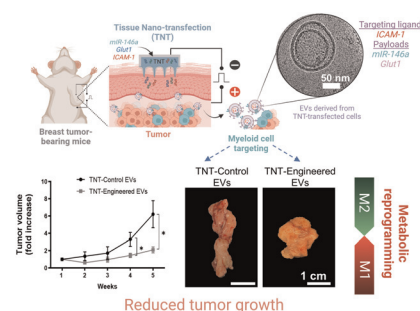
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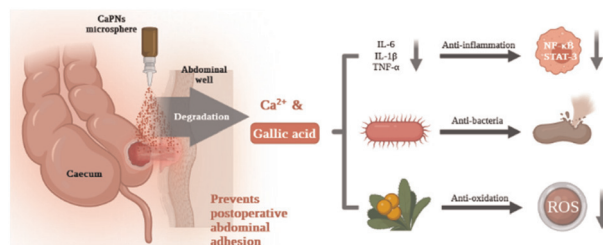
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Multifunctional calcium polyphenol networks reverse the hostile microenvironment of trauma for preventing postoperative peritoneal adhesions

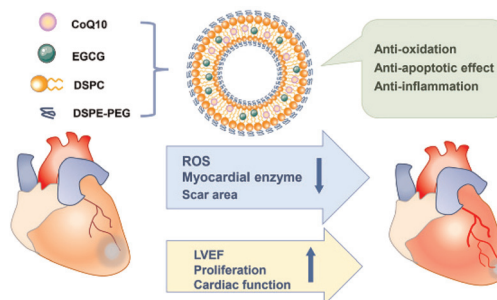
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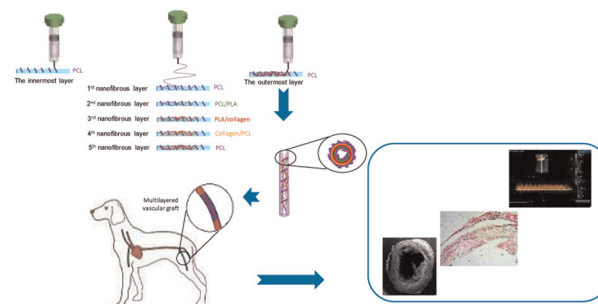
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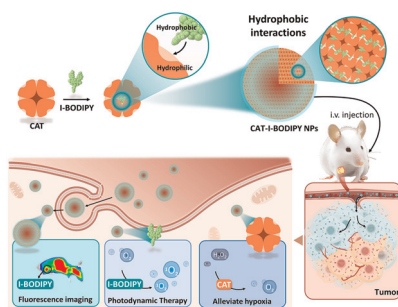
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Preclinical *in vivo* assessment of a cell-free multi-layered scaffold prepared by 3D printing and electrospinning for small-diameter blood vessel tissue engineering in a canine model

Mehdi Atari, Abbas Saroukhani, Maziar Manshaei, Peiman Bateni, Anousheh Zargar kharazi, Elham Vatankhah* and Shaghayegh Haghjooy Javanmard*



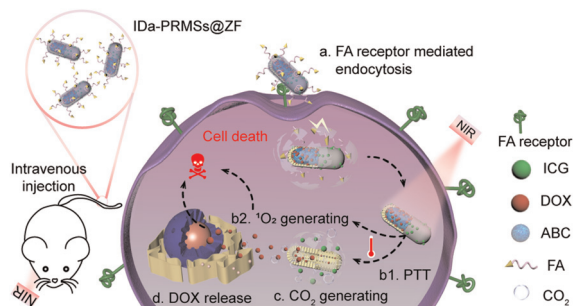
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Multifunctional protein-based self-assembled nanoplateform: overcoming hypoxic tumor microenvironment for enhanced imaging-guided photodynamic therapy

Min Li, Ziyi Cheng, Heng Liu, Kun Dou, Huan Xiao,*
Linlu Zhao* and Fabio Yu*

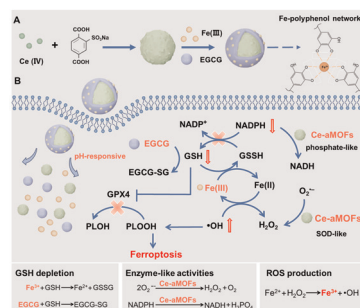
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Functionalized nanohybrids with rod shape for improved chemo-phototherapeutic effect against cancer by sequentially generating singlet oxygen and carbon dioxide bubbles

Wei Zhang, Lu Chen, Xianbin Zhang, Peng Gong,
Xiyu Wang, Zhiying Xu, Ganyu Nie and Lu Xu*

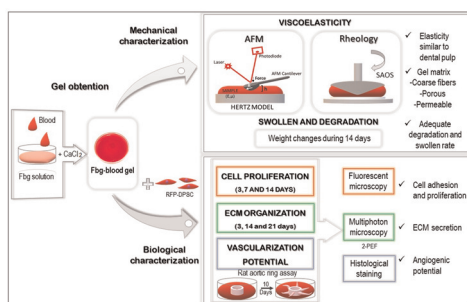
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GSH-depleting metal-polyphenol-network nanoparticles with dual enzyme activities induce enhanced ferroptosis

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Guo-Qing Wang, Yang Shu* and Jian-Hua Wang*

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Biomechanical characterization of a fibrinogen-blood hydrogel for human dental pulp regeneration

Sofia Silvia Piglionico,* Bela Varga, Orsolya Pall,
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Bernard Levallois and Ivan Vladislavov Panayotov

