

Biomaterials Science

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

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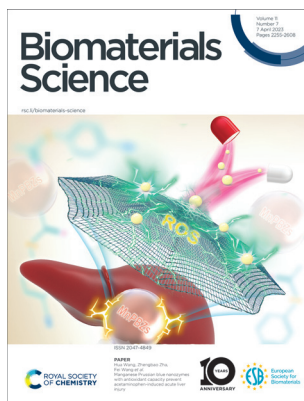
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Cover

See Sabina Quader, Rosalía Rodríguez-Rodríguez *et al.*, pp. 2336–2347.

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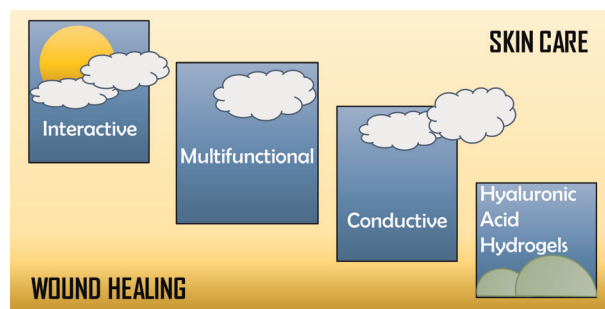
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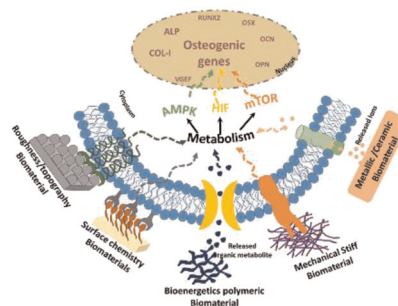


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Cellular metabolism: a link connecting cellular behaviour with the physiochemical properties of biomaterials for bone tissue engineering

Shivani Chaudhary, Doyel Ghosal, Pravesh Tripathi and Sachin Kumar*



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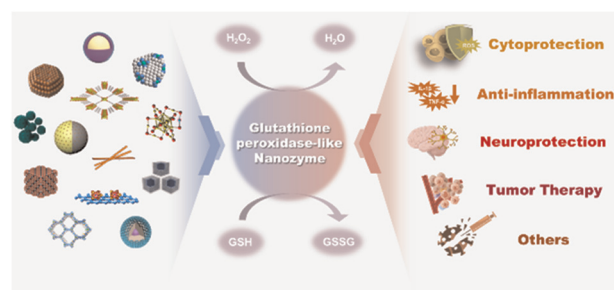


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Glutathione peroxidase-like nanozymes: mechanism, classification, and bioapplication

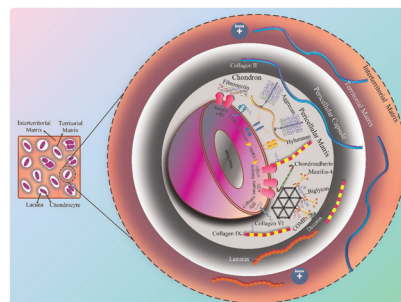
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Kiana Mokhtarinia and Elahe Masaeli*



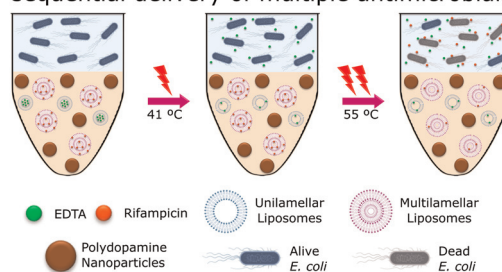
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Meera Patel, Alexander L. Corbett, Aarushi Vardhan, Keuna Jeon, Nesha May O. Andoy and Ruby May A. Sullan*

sequential delivery of multiple antimicrobials

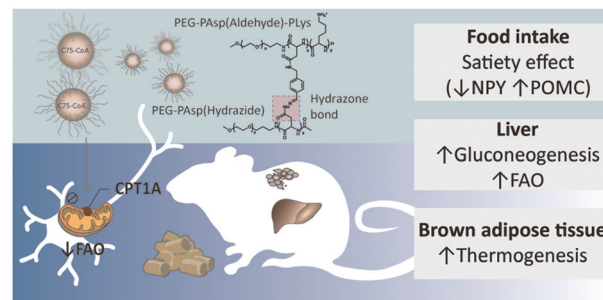


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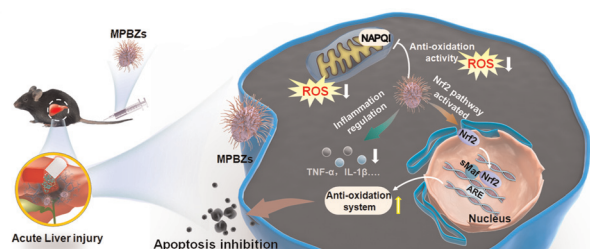
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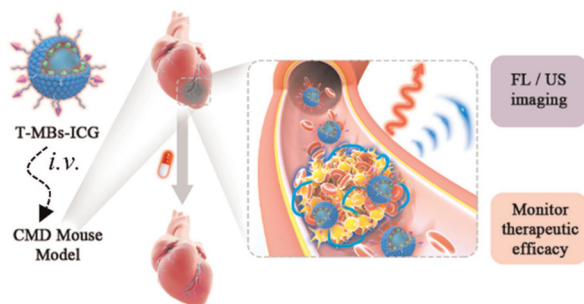
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Manganese Prussian blue nanozymes with antioxidant capacity prevent acetaminophen-induced acute liver injury

Chongqing Chen, Haitao Wu, Qianhui Li, Menghua Liu, Fan Yin, Miaomiao Wu, Xiaoli Wei, Hua Wang,* Zhengbao Zha* and Fei Wang*

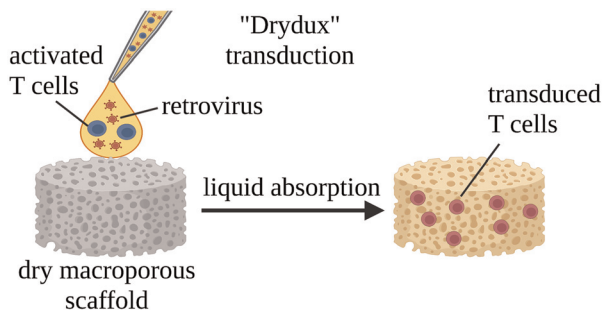
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Alimina Awen, Dehong Hu, Duyang Gao,* Zihang Wang, Yayun Wu, Hairong Zheng, Lina Guan, Yuming Mu* and Zonghai Sheng*

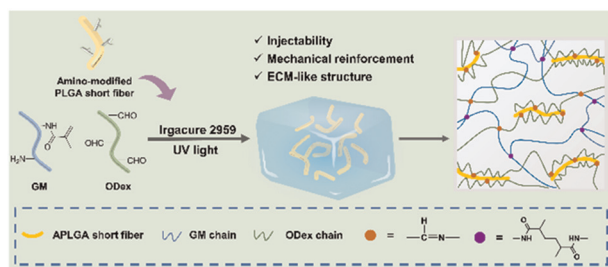
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Madelyn VanBlunk, Vishal Srikanth, Sharda S. Pandit, Andrey V. Kuznetsov and Yevgeny Brudno*

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Maidi Wang, Jingtao Du, Mengya Li, Filippo Pierini, Xiaoran Li,* Jianyong Yu and Bin Ding*

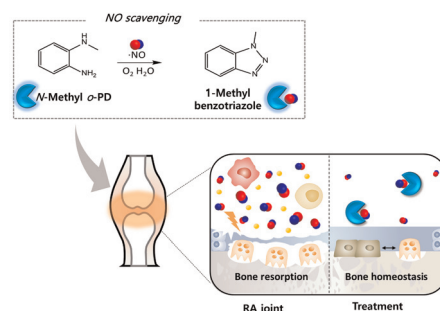


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Nitric oxide scavengers based on o-phenylenediamine for the treatment of rheumatoid arthritis

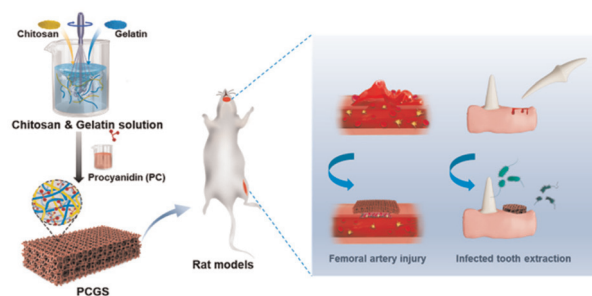
Yeong Mi Lee, Sanggi Lee and Won Jong Kim*



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A natural polyphenol-functionalized chitosan/gelatin sponge for accelerating hemostasis and infected wound healing

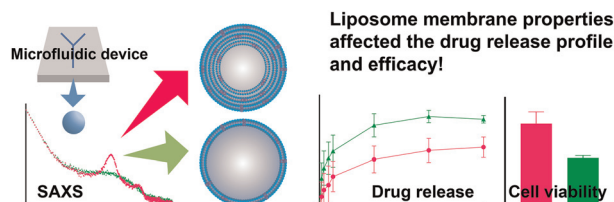
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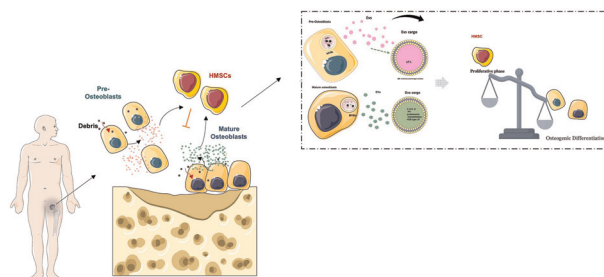
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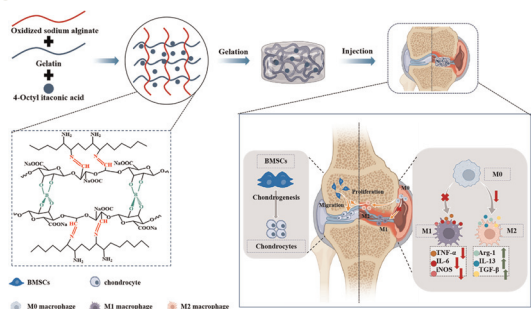
Titanium dioxide nanoparticles affect osteoblast-derived exosome cargos and impair osteogenic differentiation of human mesenchymal stem cells

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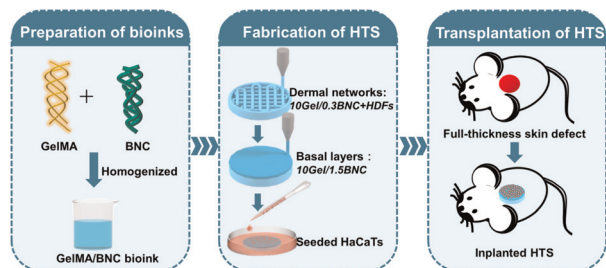
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Hui Xiao, Yunsheng Dong,* Dongdong Wan, Jinpeng Wan, Jiaxing Huang, Lizong Tang, Jie Zhou, Tingting Yang, Yufei Liu and Shufang Wang*

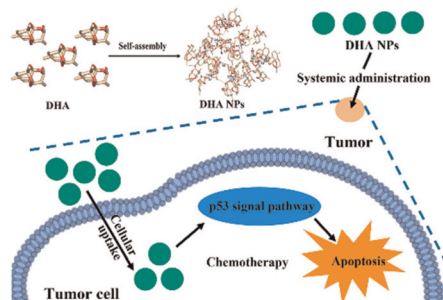
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Meng Li, Lei Sun, Zixian Liu, Zhizhong Shen, Yanyan Cao, Lu Han, Shengbo Sang* and Jianming Wang*

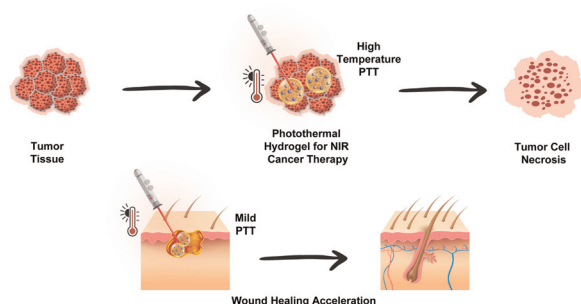
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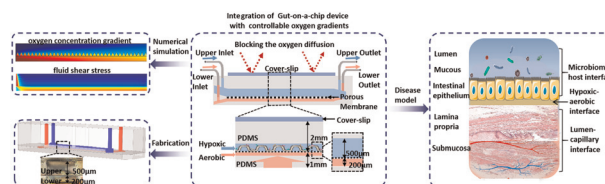


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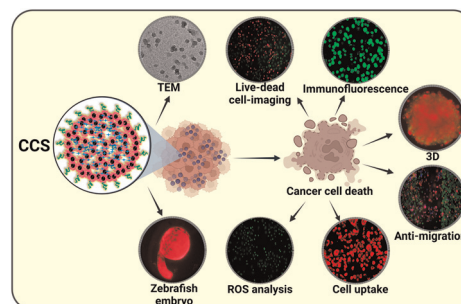
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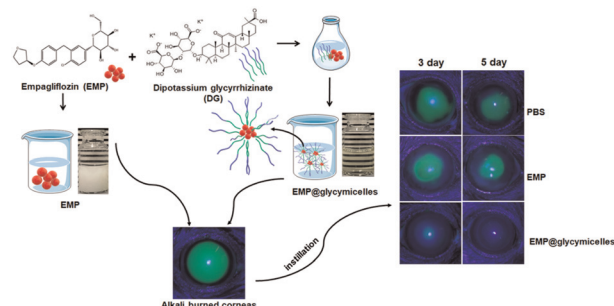
Sajmina Khatun, Monika Pebam, Chandra Lekha Putta and Aravind Kumar Rengan*



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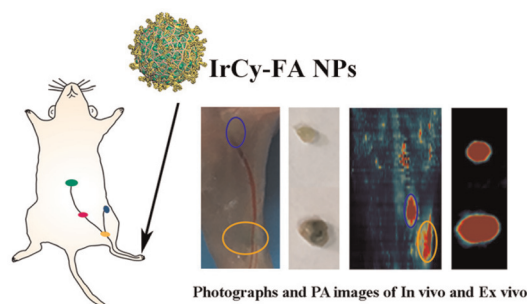
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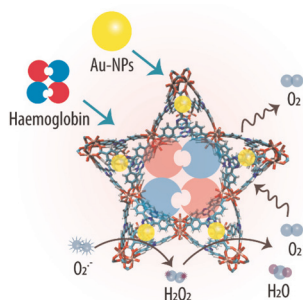
The location of metastatic lymph nodes and the evaluation of lymphadenectomy by near-infrared photoacoustic imaging with iridium complex nanoparticles

Qi Yang, Yajun Yu, Chaojie Tang, Yucong Gao, Wu Wang,* Zhiguo Zhou, Shiping Yang and Hong Yang*



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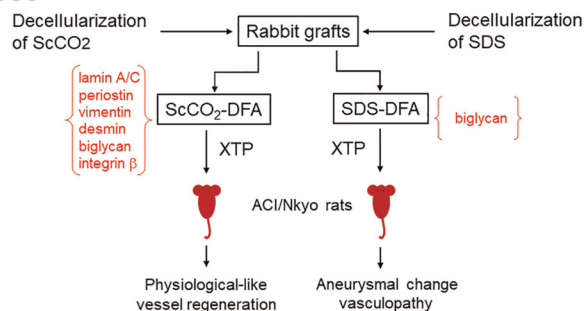
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Metal–organic framework-based oxygen carriers with antioxidant activity resulting from the incorporation of gold nanozymes

Xiaoli Liu, Nancy Patricio Domingues, Emad Oveisi, Clara Coll-Satue, Michelle Maria Theresia Jansman, Berend Smit and Leticia Hosta-Rigau*

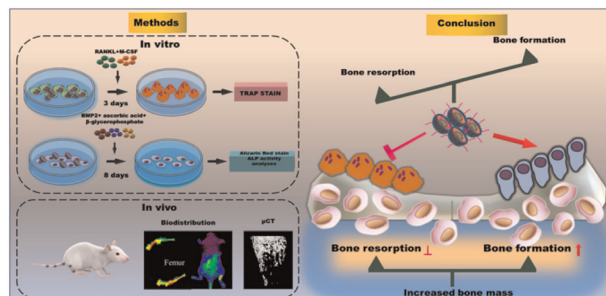
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Supercritical carbon dioxide-decellularized arteries exhibit physiologic-like vessel regeneration following xenotransplantation in rats

Shih-Ying Sung, Yi-Wen Lin, Chin-Chen Wu, Chih-Yuan Lin, Po-Shun Hsu, Srinivasan Periasamy, Balaji Nagarajan, Dar-Jen Hsieh, Yi-Ting Tsai,* Chien-Sung Tsai* and Feng-Yen Lin*

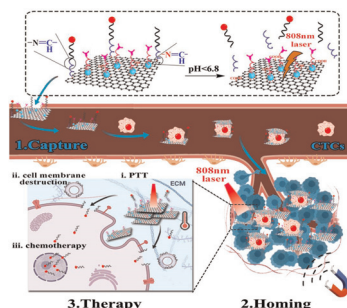
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Nano-formulations for bone-specific delivery of siRNA for *Crkl* silencing-induced regulation of bone formation and resorption to maximize therapeutic potential for bone-related diseases

Semun Seong, Veena Vijayan, Jung Ha Kim, Kabsun Kim, Inyoung Kim, Kondareddy Cherukula, In-Kyu Park* and Nacksung Kim*

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Manipulation and elimination of circulating tumor cells using multi-responsive nanosheet for malignant tumor therapy

Tao Liu, Bolei Cai, Pingyun Yuan, Le Wang, Ran Tian, Taiqiang Dai, Lin Weng and Xin Chen*



CORRECTIONS

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Correction: Carbazate-modified cross-linked dextran microparticles suppress the progression of osteoarthritis by ROS scavenging

Yanfeng Ding, Zhimin Li, Wenwen Hu, Xianjing Feng, Ying Chen, Guohua Yan, Yonglin Wang, Bo Zhu, Wei Yao, Li Zheng,* Maolin He,* Ming Gao* and Jinmin Zhao

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Correction: Preparation and characterizations of an injectable and biodegradable high-strength iron-bearing brushite cement for bone repair and vertebral augmentation applications

Luguang Ding, Huan Wang, Jiaying Li, Dachuan Liu, Jianzhong Bai, Zhangqin Yuan, Jiaojiao Yang, Lu Bian, Xijiang Zhao,* Bin Li* and Song Chen*

