

Journal of Materials Chemistry B

Materials for biology and medicine

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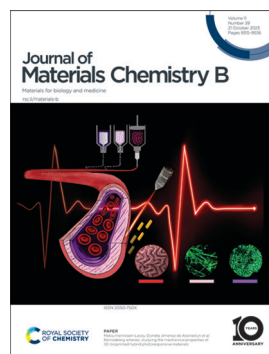
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ISSN 2050-750X CODEN JMCBDV 11(39) 9315–9556 (2023)



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EDITORIAL

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Introduction to microneedles

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

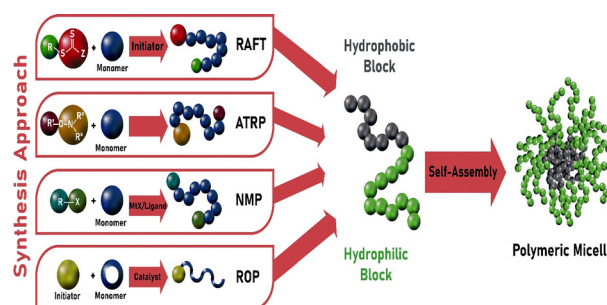


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Synthesis approaches of amphiphilic copolymers for spherical micelle preparation: application in drug delivery

Ali Aliabadi, Maliheh Hasannia, Masoume Vakili-Azghandi, Fatemeh Araste, Khalil Abnous, Seyed Mohammad Taghdisi, Mohammad Ramezani* and Mona Alibolandi*



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Journal of Materials Chemistry B (electronic: ISSN 2050-7518) is published

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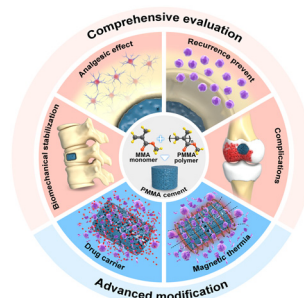


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Comprehensive evaluation and advanced modification of polymethylmethacrylate cement in bone tumor treatment

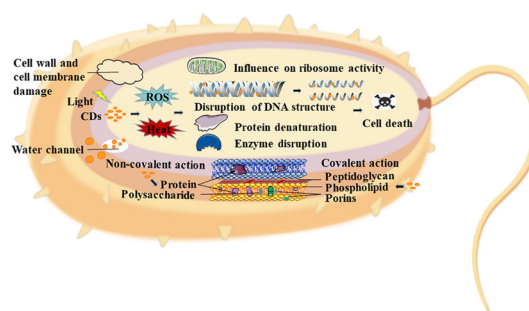
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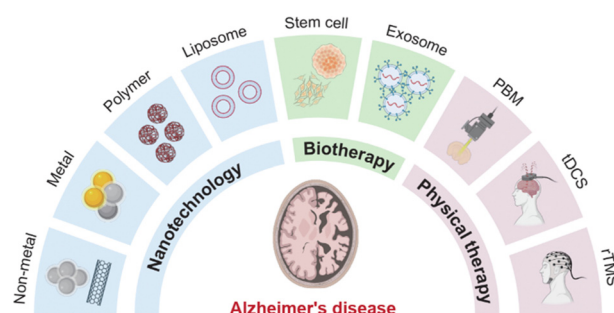
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Yajing Shen, Meng Wang, Shutang Li and Jinfei Yang*

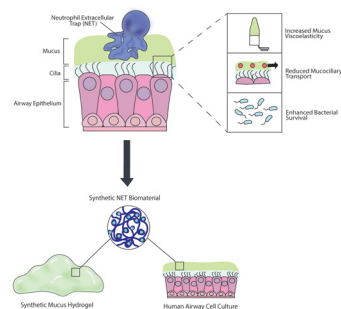


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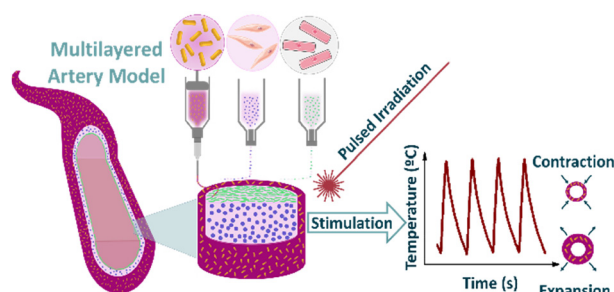
Engineering *in vitro* models of cystic fibrosis lung disease using neutrophil extracellular trap inspired biomaterials

Allison Boboltz, Sydney Yang and Gregg A. Duncan*



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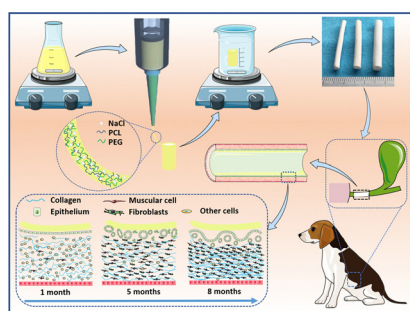
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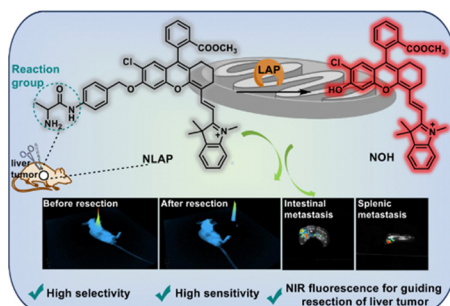
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Fabrication of 3D printed PCL/PEG artificial bile ducts as supportive scaffolds to promote regeneration of extrahepatic bile ducts in a canine biliary defect model

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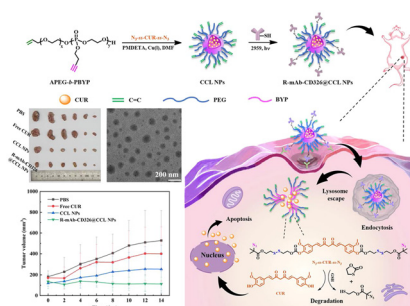
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Renfeng Jiang, Jiayu Zeng, Qian Liu, Songjiao Li,* Longwei He* and Dan Cheng*

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Haijiao Li, Mingzu Zhang, Jinlin He, Jian Liu, Xingwei Sun* and Peihong Ni*

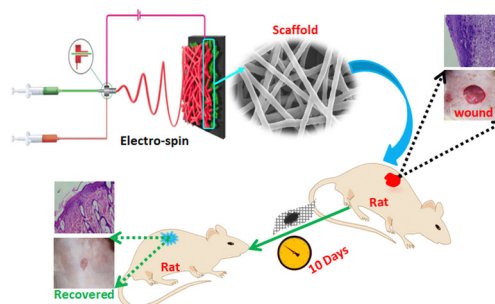


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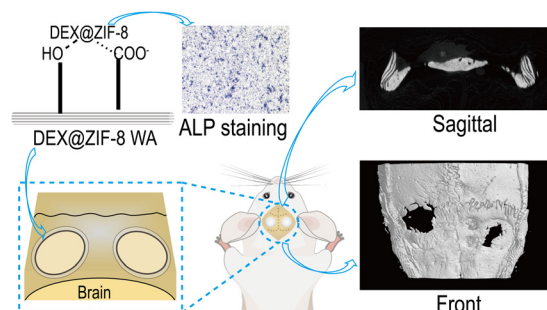
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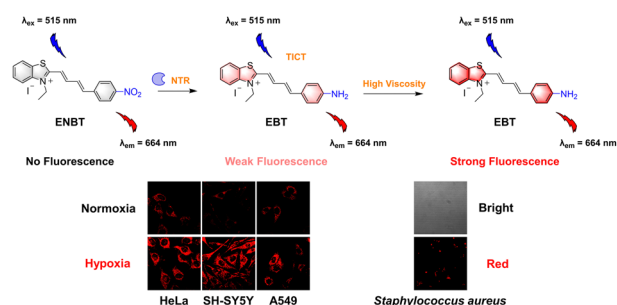
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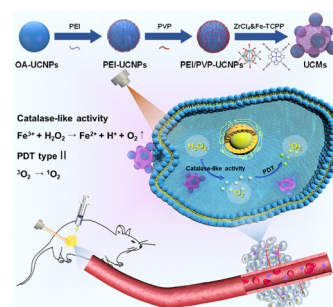
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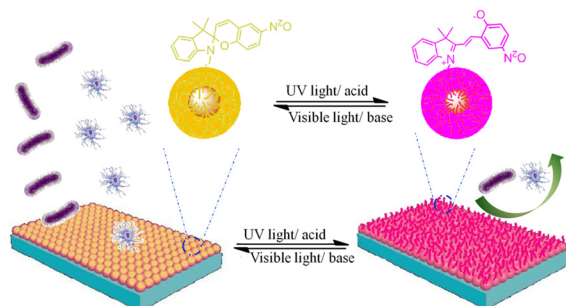
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Xinyue Zhang, Jiasen Cui, Jinhui Liu, Xi Chen, Mingli Chen* and Jianhua Wang*



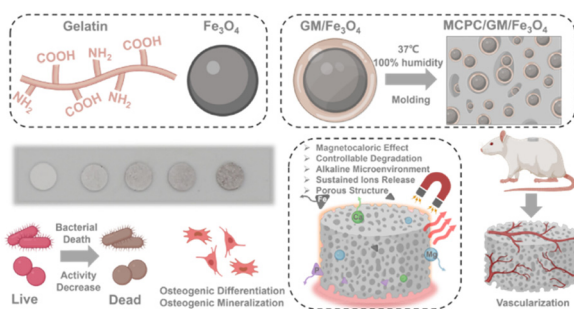
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Jie Li, Zhuang Ma, Anran Li, Siyuan Huang, Yufei Zhang, Yun Xue, Xianhui Song, Ye Zhang, Shihao Hong, Mo Wang,* Zhongming Wu* and Xinge Zhang*

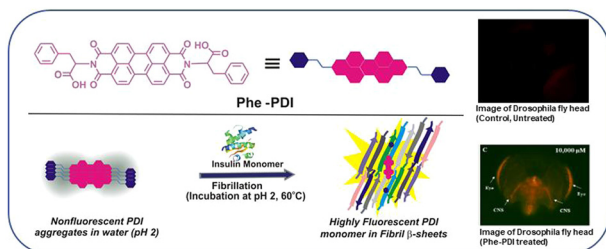
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Multifunctional magnetocaloric bone cement with a time-varying alkaline microenvironment for sequential bacterial inhibition, angiogenesis and osteogenesis

Xiaokang Yao, Yanan Zhao, Wen Hou, Kai Huang, Manqi Yan, Rong Tu, Takashi Goto and Honglian Dai*

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