

# Biomaterials Science

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

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pp. 2656–2672.

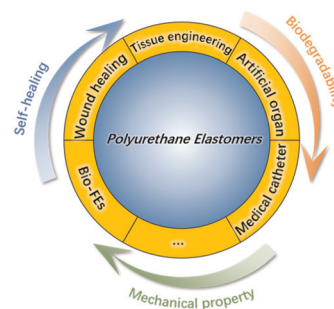
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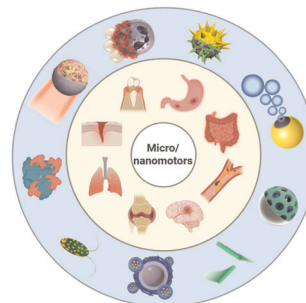
Jinhua Qiu, Hui Zhao, Shifang Luan, Lei Wang\* and Hengchong Shi\*



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Xue Yang, Lishan Zhang, Hui Ran, Fei Peng\* and Yingfeng Tu



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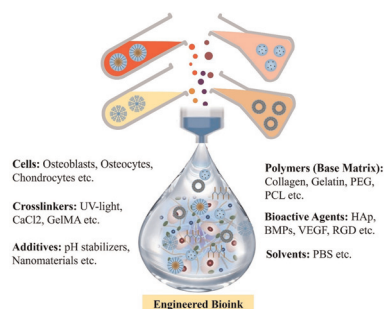
Fundamental questions  
Elemental answers

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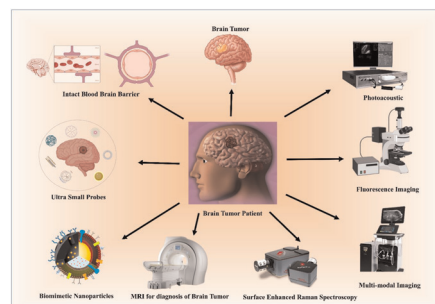
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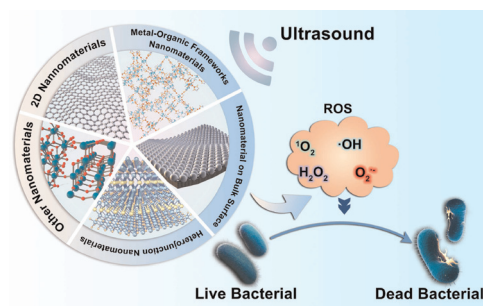
Zhen Wang, Zhen Zhang,\* Chaoliang He and Quan Wang\*



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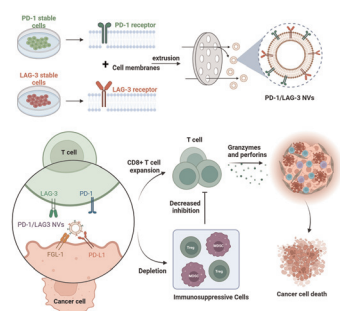
### Ultrasound-activated inorganic nanomaterials to generate ROS for antibacterial applications

Gaoquan Zheng, Zhongmin Tang\* and Feng Peng\*



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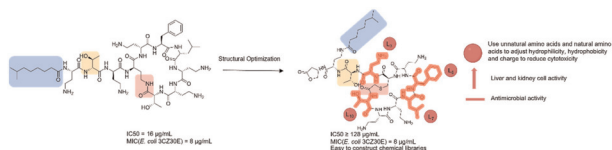
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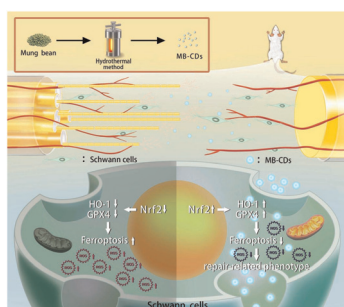


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Wenhong Zheng, Xin Wang, Hao Lian, Pengfei Zou, Tongyi Sun,\* Hao Wang\* and Li-Li Li\*

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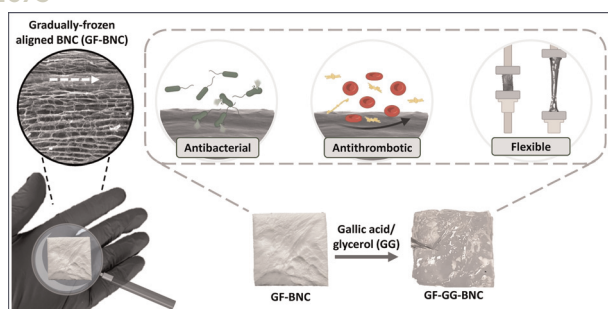
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### Mung bean-derived carbon dots suppress ferroptosis of Schwann cells via the Nrf2/HO-1/GPX4 pathway to promote peripheral nerve repair

Fei Zheng, Yumin Zhang, Hui Zhou, Jiangnan Li, Junyang Gao, Xiaoli Qu,\* Xuejian Wu,\* Siyu Lu, Yuanyi Wang\* and Nan Zhou

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Emma D. Stephens, Fereshteh Oustadi, Hunter Marcelo, Jaqueline L. Vierra, Kartikeya Murari, Philip Egberts and Maryam Badv\*

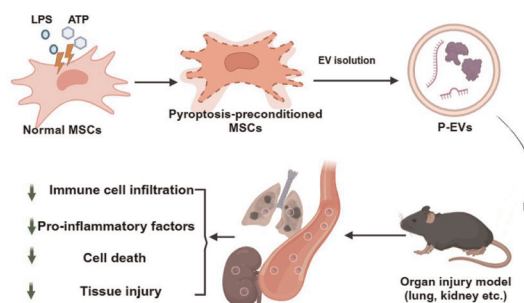


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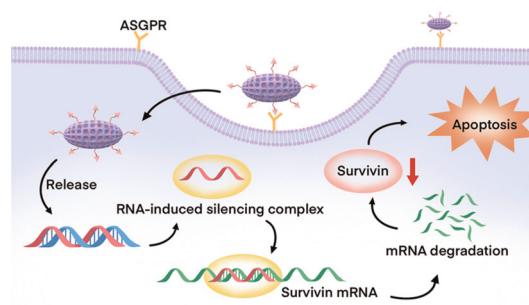
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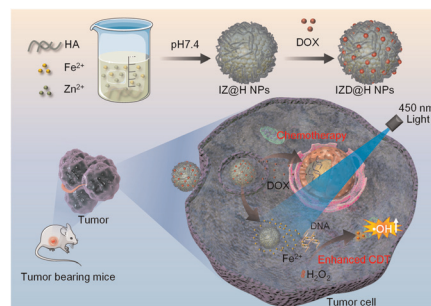
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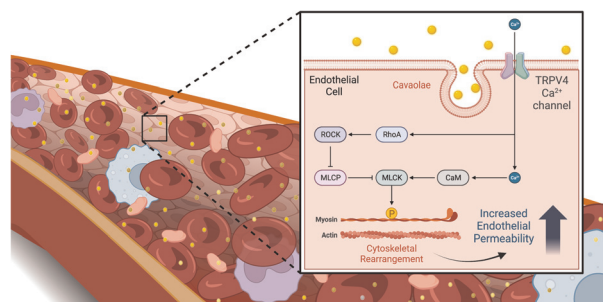
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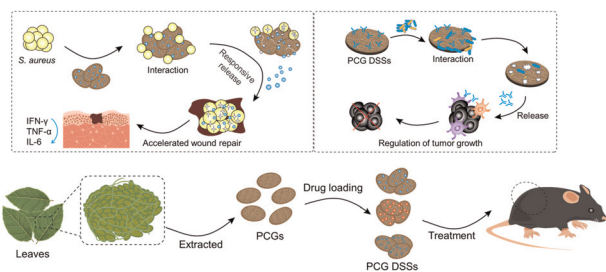
### 20 nm nanoparticles trigger calcium influx to endothelial cells via a TRPV4 channel

Jaspreet Singh Nagi and Amber L. Doiron\*



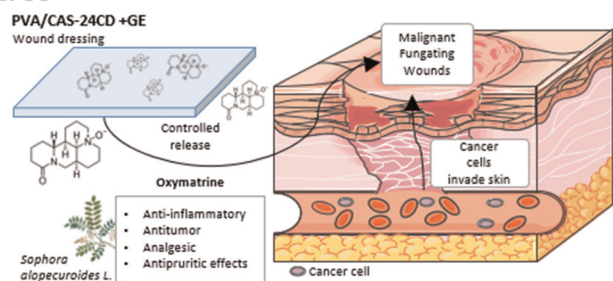
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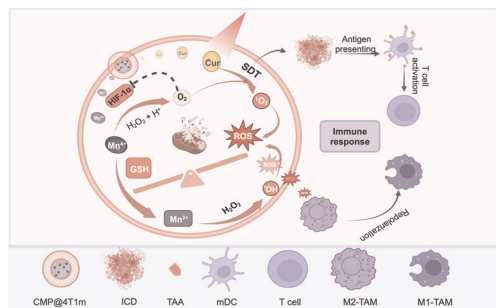
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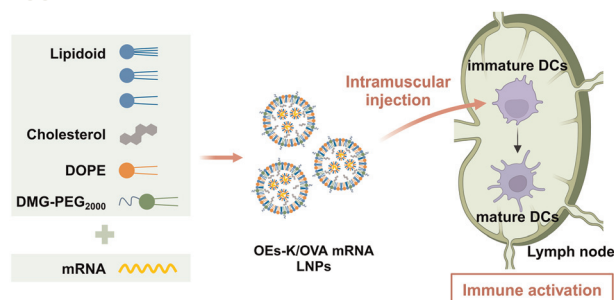
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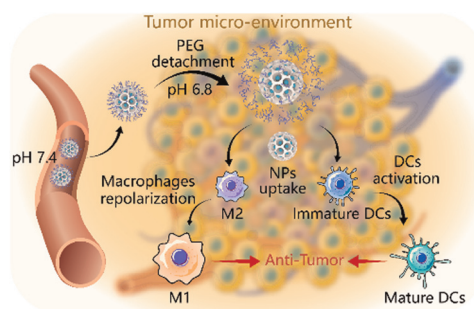
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