

Journal of Materials Chemistry B

## Materials for biology and medicine

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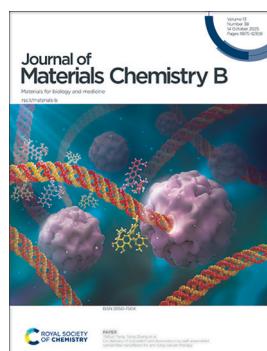
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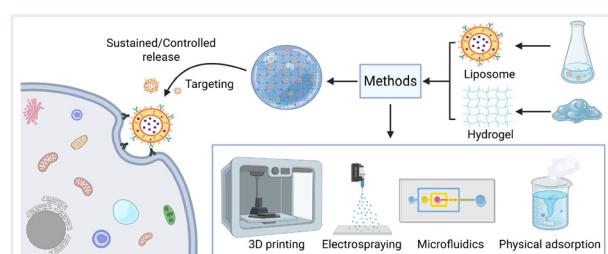
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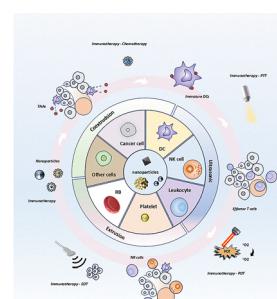
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Ziyuan Jing, Wenyu Zhao, Xuezhu Wang, Guifang Chen\*  
and Bo Tian\*



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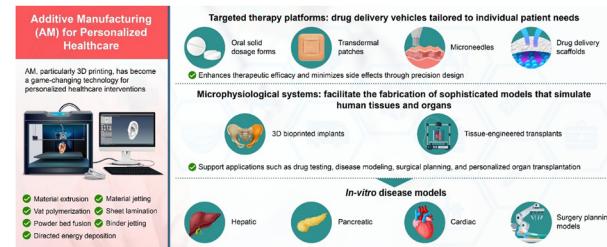


## REVIEWS

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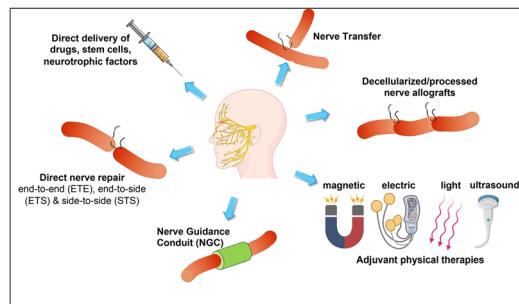
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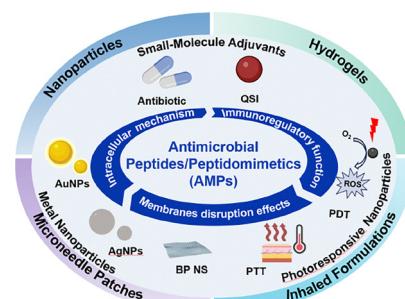
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## Combating the post-antibiotic era crisis: antimicrobial peptide/peptidomimetic-integrated combination therapies and delivery systems

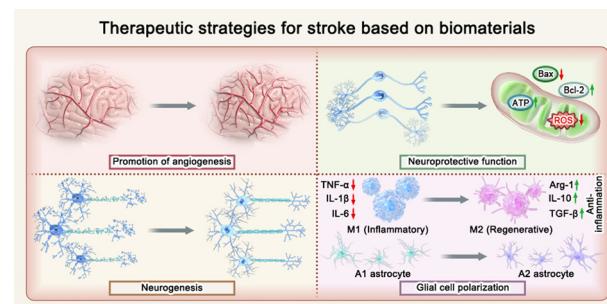
Jiaying Chi, Qiaoni Lin, Bingrui Jin, Jiayu Ou, Ling Jiang, Xinyu Yang, Jialiang Guo, Tingting Peng\* and Chao Lu\*



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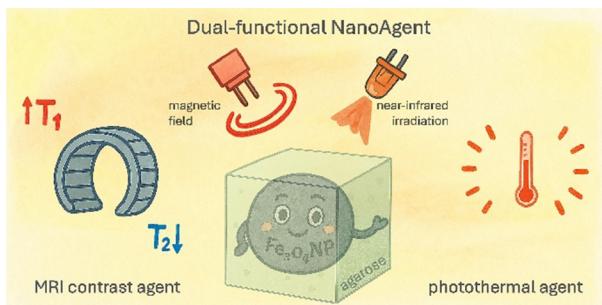
## Advanced regenerative biomaterials for ischaemic stroke: a comprehensive therapeutic strategy

Shufang Niu, Xiaoyin Liu, Zepei Wu, An Zhu, Yunfan Zhang, Fuheng Hu, Kunlun Ding, Jun Wu\* and Anqi Xiao\*



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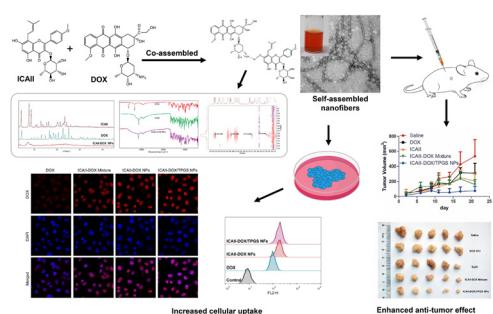
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**From fundamentals to applications: magnetic nanoparticles for MRI imaging and NIR-induced thermal activation in tissue-mimicking environments**

Radu Lapsan, Andreea Balmus, Radu Fechete, Bogdan Viorel Neamtu, Jessica Ponti, Raluca Borlan\* and Monica Focsan\*

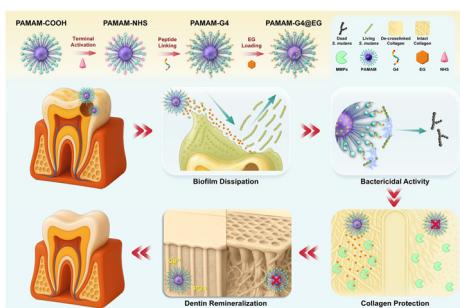
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**Co-delivery of icariside II and doxorubicin by self-assembled carrier-free nanofibers for anti-lung cancer therapy**

Yishun Yang,\* Yue Ding and Tong Zhang\*

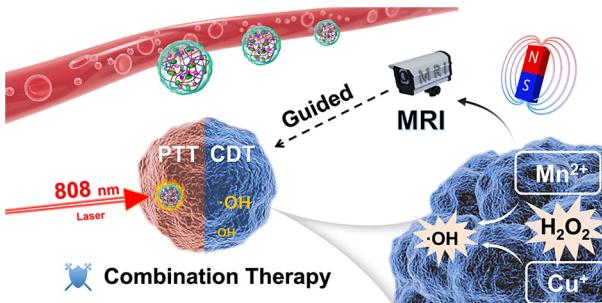
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**Multifunctional PAMAM nanoparticles with sequential antimicrobial-mineralization therapy for dentin caries management**

Mingxiao Liu, Jiahe Li, Ziyou Wang, Miao Chen, Jianru Yi,\* Zhihe Zhao\* and Kunneng Liang\*

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**Copper–manganese hybrid nanogel for MRI-guided combined photothermal and chemodynamic tumor theranostics**

Yijie Luo, Xiaotong Liang, Kai Wang, Tuohuan Li, Jia Hua, Dalin Wu and Zhong Cao\*

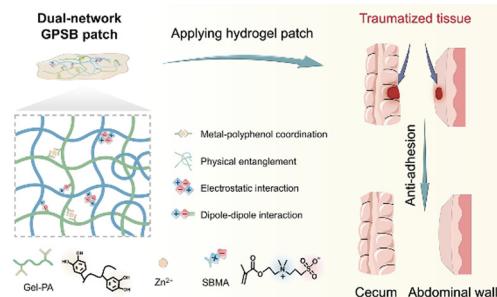


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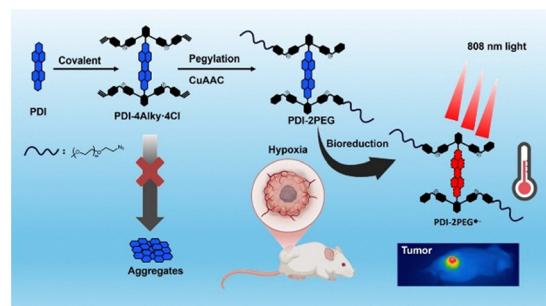
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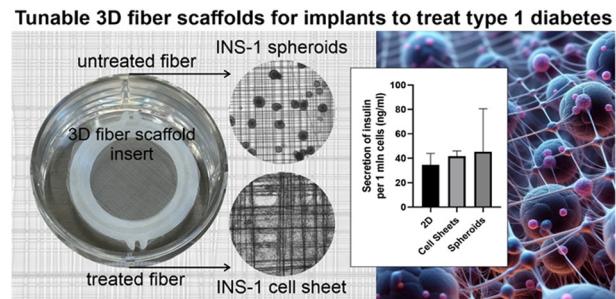
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**Insulin-producing INS-1 cell cultures on biomimetic 3D scaffolds**

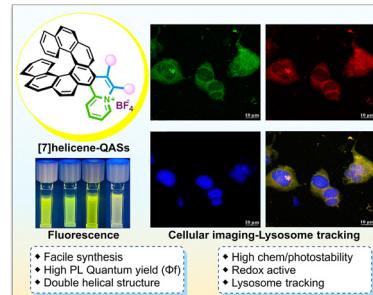
Mikhail Parker, Nataraja Sekhar Yadavalli,\* Kristina Peranidze, Eugene Boland, Vladimir Reukov and Sergiy Minko\*



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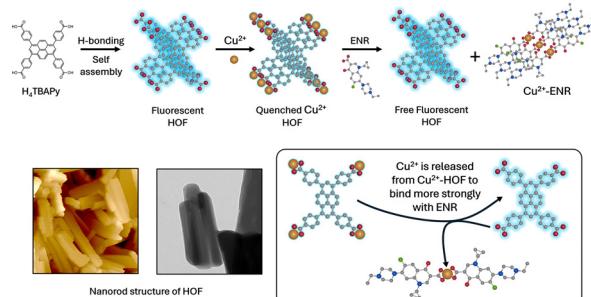
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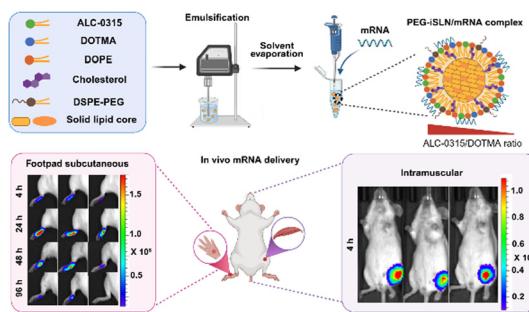
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### Reversible photo-induced formation of iron alginate hydrogels

Alexey S. Sokolov,\* Arkady S. Abdurashitov, Pavel I. Proshin and Gleb B. Sukhorukov

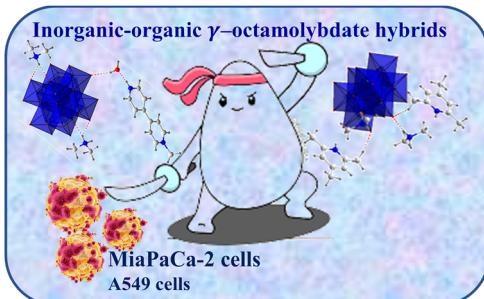
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Nipuni Maniyamgama, Ki Hyun Bae, Jialing Lee, James Hoi Po Hui and Yi Yan Yang\*

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Ankita Pardiwala, Nandini Bajaj, Arup Kumar Ghosh, Deepika Sharma,\* Komal Kumar Jangir\* and Ritambhara Jangir\*

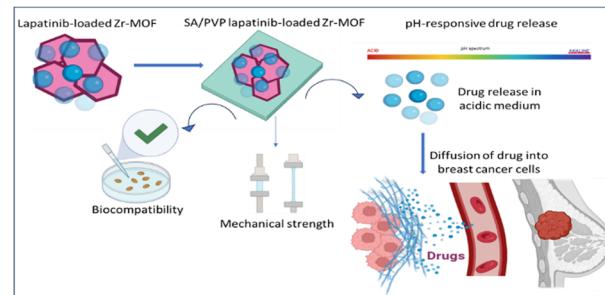


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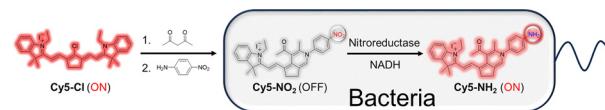
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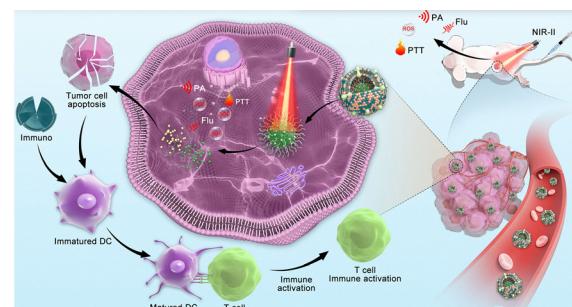
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**Biomimetic semiconducting polymer dots for dual targeted NIR-II phototheranostic and multimodal coordinated immunostimulatory therapy**

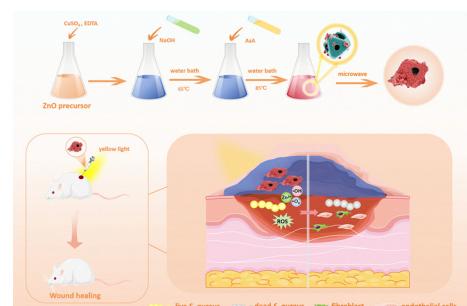
Jintong Guo, Xianyuan Wei, Ye Liu, Yun Li, Pu Chun Ke and Zhen Yuan\*



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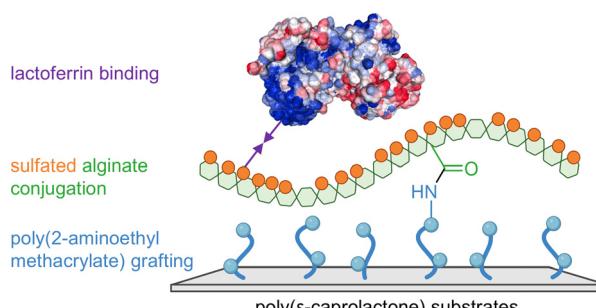
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Yu Fen, Miao Xinxin, Xiao Yang, Deng Jianjian, Deng Dan, Cheng Xinyan, Ding Rui and Wang Xiaolei\*



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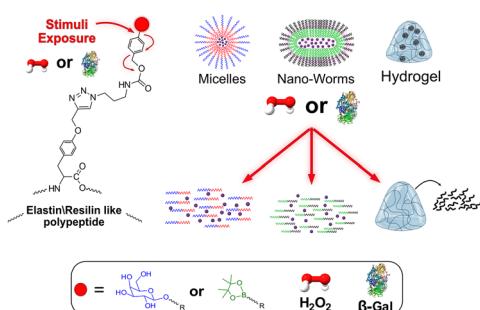
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### Surface modification of polycaprolactone with sulfated alginate for enhanced binding of a heparin-binding protein

Alexandra L. Mutch, Jiankun Yang, A. Anitha, Sašo Ivanovski, Marco van de Weert and Lisbeth Grøndahl\*

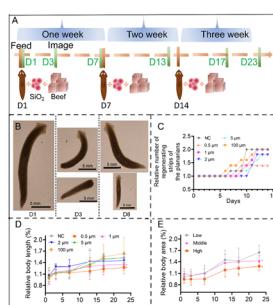
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Federico Kaufman, Maya David, Michal Zaiden, Doron Shabat and Miriam Amiram\*

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Maonan Wang, Can Jiang, Shuojie Li, Weiting Chen, Jingting Zhang, Yongqian Zhao, Ruixin Feng, Na Han, Guang Shu, Xiang Li\* and Gang Yin\*

