

# Teacher Training Scholarships



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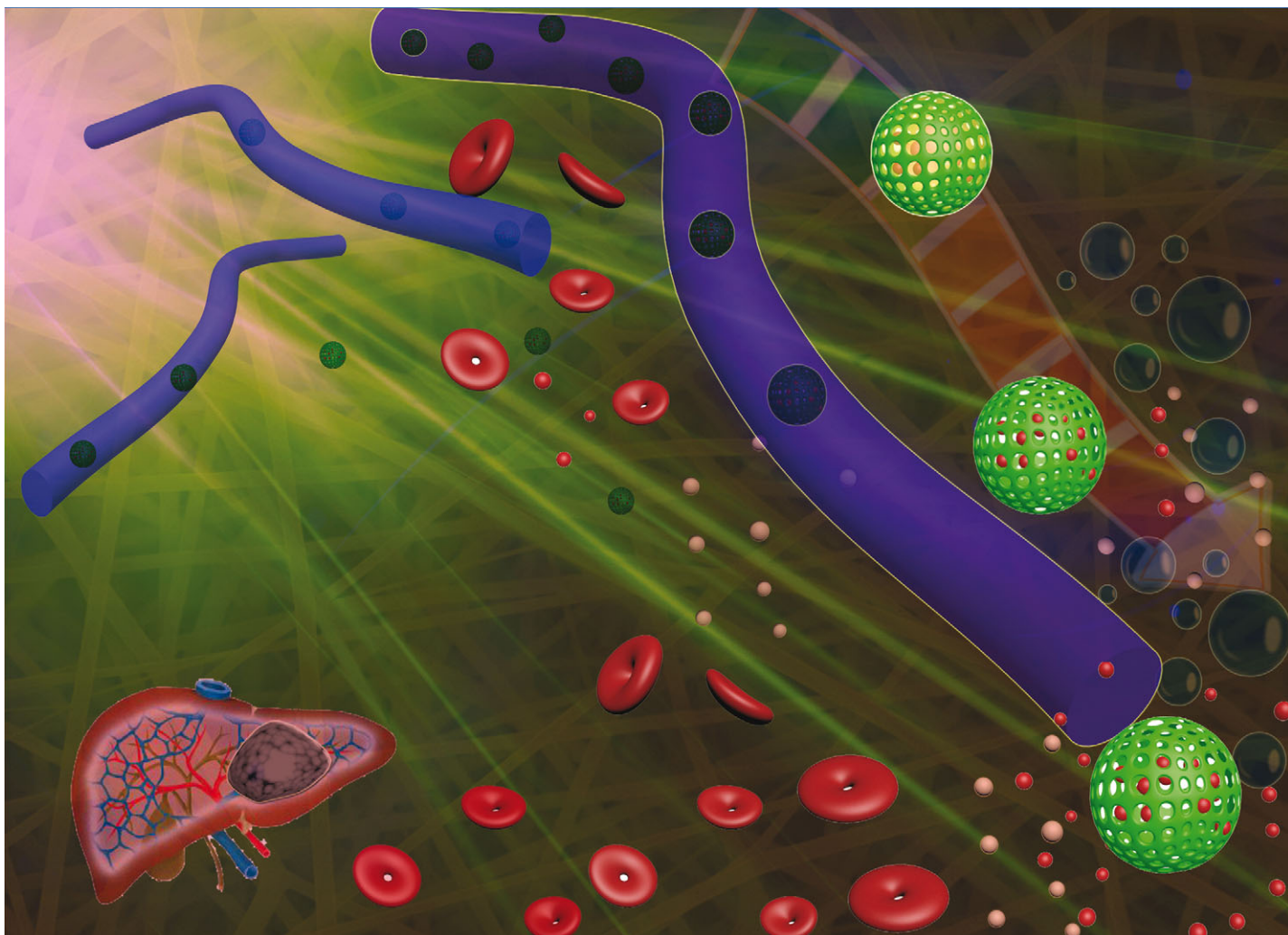
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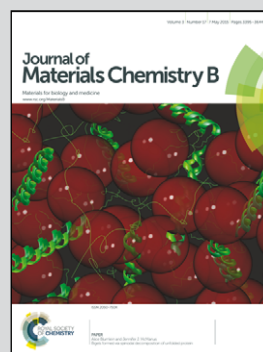


Highlighting collaborative research between medicine and engineering from the nanobiomaterials group of Prof. Wenguo Cui at Orthopedic Institute, Soochow University (China) and the group of Prof. Qi Zheng at Department of General Surgery, Shanghai Sixth People's Hospital Affiliated to Shanghai Jiao Tong University (China).

Synergistic mediation of tumor signaling pathways in hepatocellular carcinoma therapy via dual-drug-loaded pH-responsive electrospun fibrous scaffolds

A novel pH-sensitive electrospun composite fibrous scaffold was designed for achieving long-term pH-sensitive anti-cancer doxorubicin release and short-term anti-inflammatory ibuprofen release, which could inhibit residual tumor growth after palliative surgery by increasing the Bax : Bcl-2 ratio, activating caspase-3 and attenuating IL-6/STAT3/NF- $\kappa$ B signaling pathways.

As featured in:



See Qi Zheng, Wenguo Cui *et al.*,  
*J. Mater. Chem. B*, 2015, 3, 3436.



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