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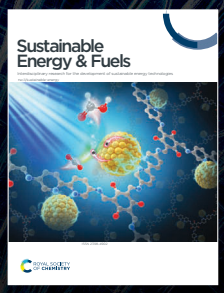

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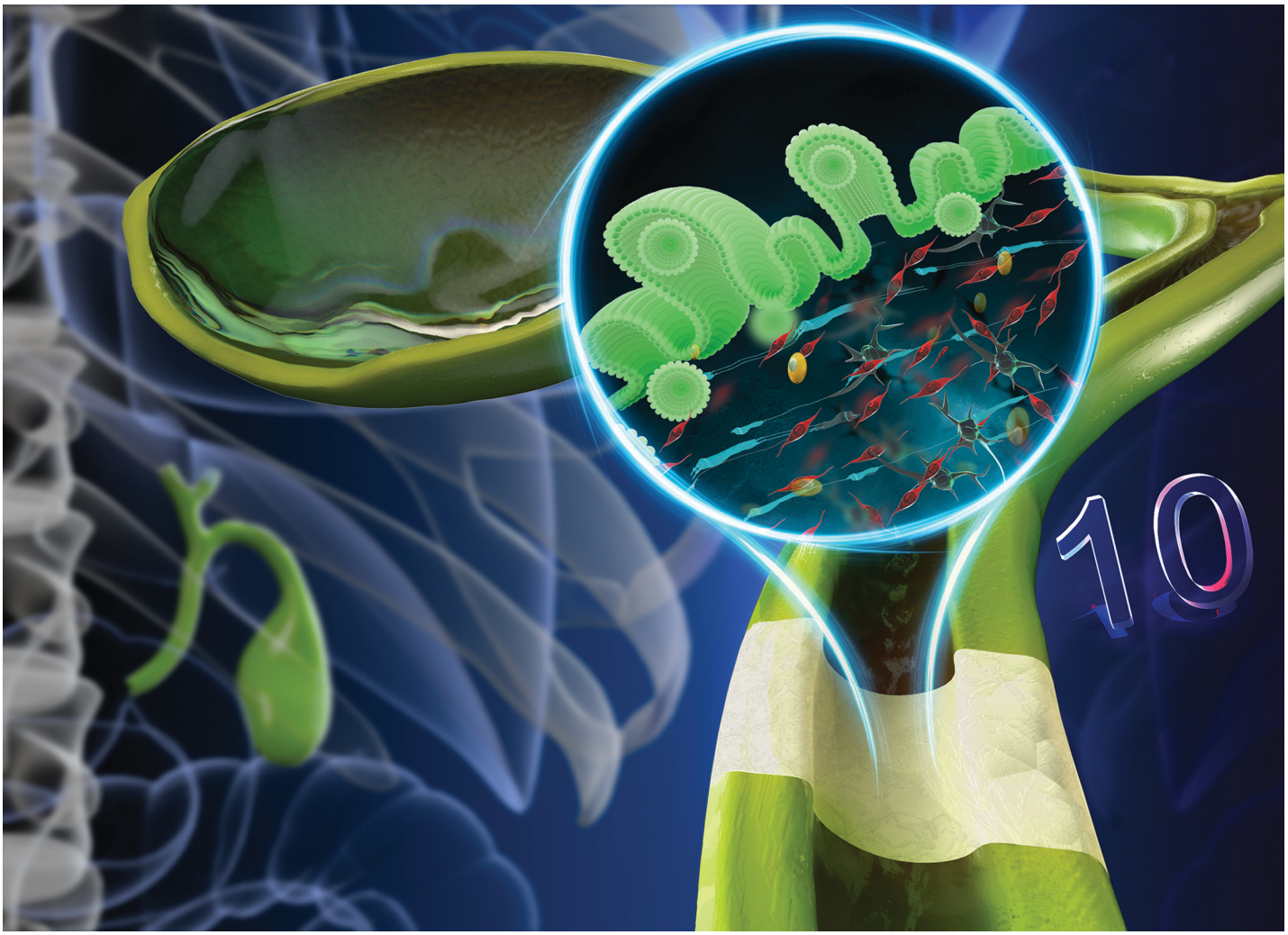

Showcasing research from Dr Yulong Cai and Dr Xia Jiang at West China hospital of Sichuan University, China.

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

A 3D porous poly(ε-caprolactone)/polyethylene glycol (PCL/PEG) composite artificial tubular bile duct was fabricated for extrahepatic bile duct regeneration in a canine biliary defects model. The artificial tubular bile duct effectively stimulated the regeneration of a new bile duct comprising CK19 and CK7 positive biliary epithelial cells within 30 days. Collagen deposition, biliary muscular formation, the involvement of microvessels and fibroblasts were observed in the 8-months biliary regeneration process.

As featured in:

See Xia Jiang *et al.*, *J. Mater. Chem. B*, 2023, **11**, 9443.

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