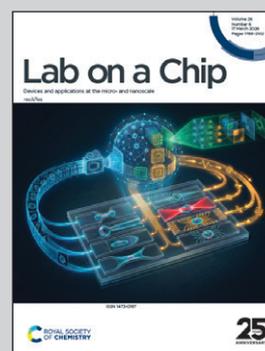


Showcasing research from Professor Ting Liu's laboratory, Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, Beijing, China.

A high-throughput liver-kidney metabolic interaction chip for insights into the nephrotoxicity mechanisms of triptolide

This cover image depicts a high-throughput liver-kidney chip integrating insert-type MIMICups. Biomimetic blood flows through liver and renal chips housing precision-cut liver slices and 3D HK-2 spheroids, respectively, simulating hepato-renal physiological connectivity. Semi-transparent molecular structures of triptolide and urea are superimposed to highlight the system's capability in modelling hepatic metabolism and elucidating drug-induced nephrotoxicity mechanisms via liver-kidney interactions.

As featured in:



See Ting Liu,
Guozhuang Zhang *et al.*,
Lab Chip, 2026, **26**, 1830.