



**Featuring work from the SJTU Microfluidics & Microrobotics Laboratory of Prof. Xiaolin Wang, Shanghai Jiao Tong University, China.**

Multifunctional cardiac microphysiological system based on transparent ITO electrodes for simultaneous optical measurement and electrical signal monitoring

A multifunctional cardiac microphysiological system was presented to realize the simultaneous monitoring of diverse cardiomyocyte characteristics, which combined the image processing, electrical signal monitoring, and electrical stimulation capabilities on a single chip. This system provides a means for quantitatively and predictively assessing cardiac toxicity, which could be further applied to conduct a comprehensive evaluation during the drug discovery process.

### As featured in:



See Xiaolin Wang *et al.*,  
*Lab Chip*, 2024, **24**, 1903.