ADVANCED HEALTHCARE MATERIALS

INTEGRATED MULTI-ORGAN-ON-CHIP

In article 2303943, Paul Wilmes and co-workers introduce an integrated multiorgan-on-a-chip platform combining the HuMiX gut-on-chip and Dynamic42 liver-on-chip to mimic the gut-liver axis. This system supports intestinal and liver cell functionality, and in a proof-of-concept study, successfully recapitulates irinotecan metabolism. It highlights the role of gut bacteria in drug metabolism, offering a promising alternative to animal models for drug development.

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