



Showcasing research on microphysiological systems with integrated sensors for real-time cell measurements from Professor Darwin R. Reyes' laboratory, Microsystems and Nanotechnology Division, National Institute of Standards and Technology, Maryland, USA.

Real-time impedance-based cell migration measurements with integrated electrodes on porous membranes for next generation microphysiological systems

We developed a next-generation microphysiological system for real-time cell migration measurements, an approach that can independently monitor cell activity at both surfaces of a porous membrane with photolithographically microfabricated electrical components.

Image reproduced by permission of National Institute of Standards and Technology from *Lab Chip*, 2026, **26**, 2463. Image designed and illustrated by Natasha Hanacek/NIST.

### As featured in:



See Darwin R. Reyes *et al.*, *Lab Chip*, 2026, **26**, 2463.