Featuring work on point-of-care technologies from the Stanford Biomedical Optics group, directed by Audrey K. Bowden, Department of Electrical Engineering, Stanford University.

Robust dipstick urinalysis using a low-cost, micro-volume slipping manifold and mobile phone platform

A plastic microfluidic device and companion software eliminate aspects of dipstick urinalysis traditionally plagued by user error. Together, this system can enable accurate urinalysis with existing dipsticks to be performed at home and in low-resource settings.

See Audrey K. Ellerbee Bowden et al. Lab Chip, 2016, 16, 2069.
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