



Showcasing research from Professor Greener's laboratory,
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Microflow sensing and control using an in-channel
birefringent biomembrane

A micromembrane from bioresourced materials is synthesized on chip. Its flow-sensitive birefringence was calibrated enabling its use as passive flow sensor, which can respond to dynamic flow profiles. The membrane sensor is demonstrated as a robust feedback element in a closed-loop control system for generating programmable pressure-driven flow profiles. Copyright holders: Jesse Greener and Pat Lau.

As featured in:



See Jesse Greener *et al.*,
Lab Chip, 2024, **24**, 2633.