# Lab on a Chip

## Devices and applications at the micro- and nanoscale

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ISSN 1473-0197 CODEN LCAHAM 23(24) 5061-5196 (2023)



Cover See Nae Yoon Lee et al., pp. 5081–5091. Image reproduced by permission of Nae Yoon Lee from Lab Chip, 2023, 23, 5081. Image credit: Heewon Choi.

## PERSPECTIVE

## 5068

# Towards skin-on-a-chip for screening the dermal absorption of cosmetics

Jessica Govey-Scotland, Liam Johnstone, Connor Myant and Mark S. Friddin\*



## PAPERS

### 5081

A paper-embedded thermoplastic microdevice integrating additive-enhanced allele-specific amplification and silver nanoparticle-based colorimetric detection for point-of-care testing

Duc Anh Thai, Seung Kyun Park and Nae Yoon Lee\*



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Lab on a Chip (electronic: ISSN 1473-0189) is published 24 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road Cambridge, CB4 0WF, UK

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Simone Rentschler, Max Borgolte, Alexander Filbert, Stefan Laufer and Hans-Peter Deigner\*



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K. G. Scheuer, F. B. Romero, G. J. Hornig and R. G. DeCorby\*



### PAPERS



Fiber groov

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Droplet encap CTC

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K. Mirkale,\* S. K. Jain, T. S. Oviya and S. Mahalingam



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Yunus Aslan, Olivia McGleish, Julien Reboud and Jonathan M. Cooper\*

## PAPERS

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A human initial lymphatic chip reveals distinct mechanisms of primary lymphatic valve dysfunction in acute and chronic inflammation

Samantha Kraus and Esak Lee\*

Expansion phase (high interstitial pressure, open primary valves for drainage)





