

Lab on a Chip

Devices and applications at the micro- and nanoscale
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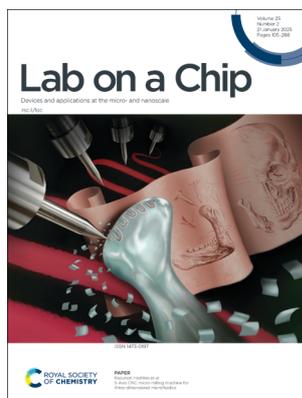
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Cover
See Jürgen Popp *et al.*,
pp. 119–126.
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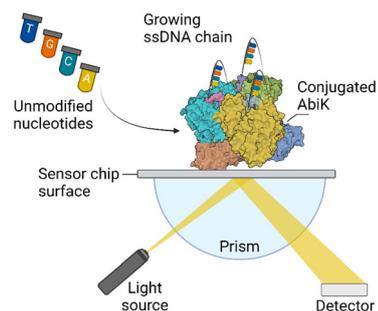
Inside cover
See Kazunori Hoshino *et al.*,
pp. 127–142.
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Kazunori Hoshino from *Lab
Chip*, 2025, 25, 127.

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Data storage based on the absence of nucleotides using a bacteriophage abortive infection system reverse transcriptase

Gregor Bajc, Anja Pavlin, Małgorzata Figiel,
Weronika Zajko, Marcin Nowotny and Matej Butala*

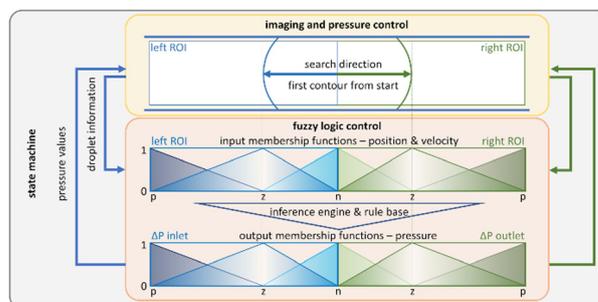


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Image-based fuzzy logic control for pressure-driven droplet microfluidics as autosampler for multimodal imaging microscopy

Fabian Ott, Tobias Meyer-Zedler, Michael Schmitt
and Jürgen Popp*





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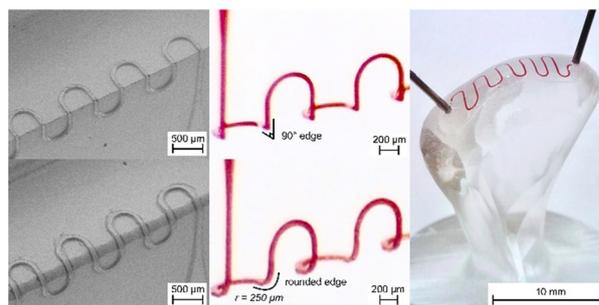


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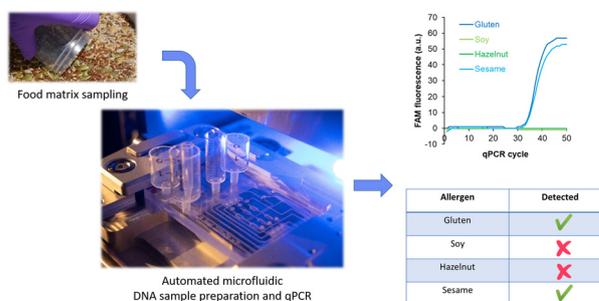
Mitchell J. C. Modarelli, Devin M. Kot-Thompson and Kazunori Hoshino*



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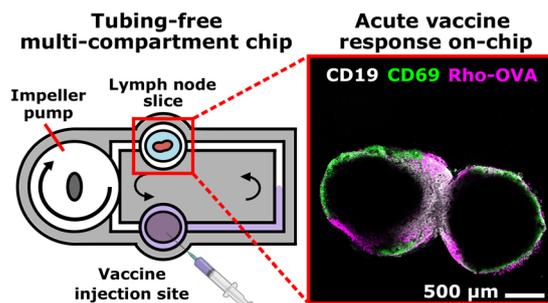
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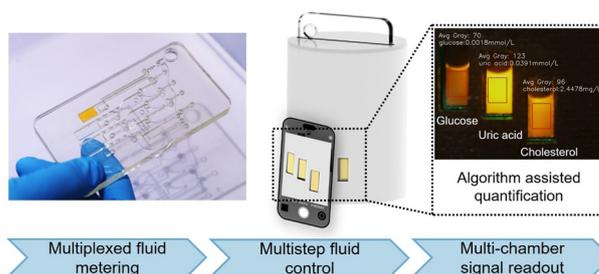
Sophie R. Cook, Alexander G. Ball, Anwaruddin Mohammad and Rebecca R. Pompano*



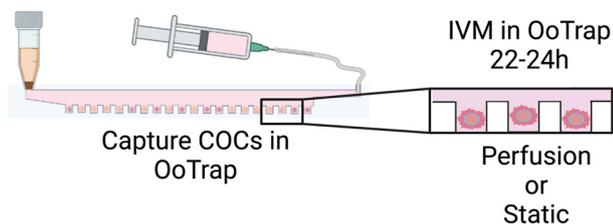
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A gravity-driven microfluidic metering system for automation of multiplexed bioassays

Lu Zhang, Johnson Q. Cui* and Shuhuai Yao*



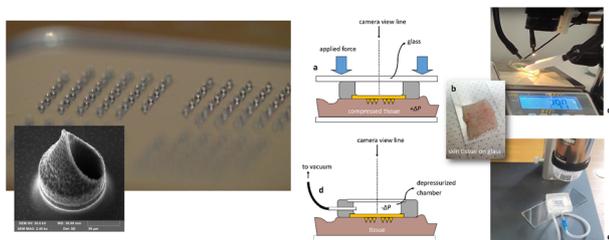
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OoTrap: enhancing oocyte collection and maturation with a field-deployable fluidic device

Roksan Franko
and Marcia de Almeida Monteiro Melo Ferraz*

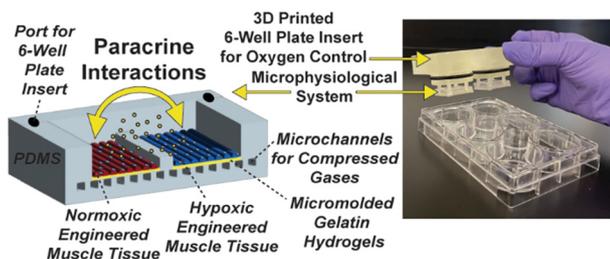
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Beveled microneedles with channel for transdermal injection and sampling, fabricated with minimal steps and standard MEMS technology

Alvise Bagolini,* Nicolò G. Di Novo, Severino Pedrotti,
Matteo Valt, Cristian Collini, Nicola M. Pugno
and Leandro Lorenzelli

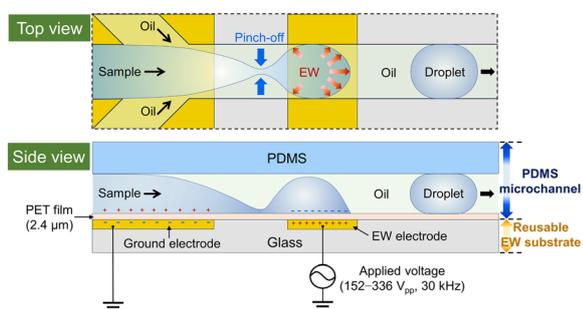
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Profiling paracrine interactions between hypoxic and normoxic skeletal muscle tissue in a microphysiological system fabricated from 3D printed components

Megan L. Rexus-Hall, Malinda D. Madrigal, Cem Y. Kilic,
Keyue Shen and Megan L. McCain*

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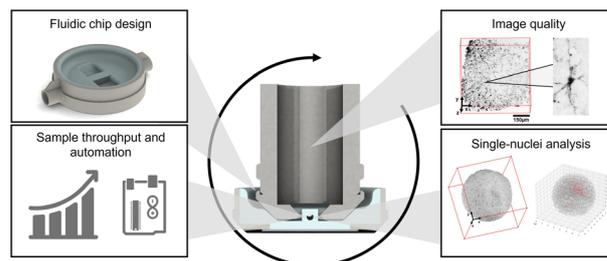
Suhee Park, Jaewook Ryu and Ki-Ho Han*



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An agarose fluidic chip for high-throughput *in toto* organoid imaging

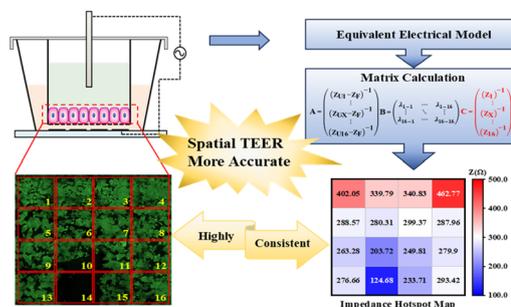
Sarah De Buckeleer, Andres Vanhooydonck, Johanna Van Den Daele, Tim Van De Looverbosch, Bob Asselbergh, Hera Kim, Coen Campsteijn, Peter Ponsaerts, Regan Watts* and Winnok H. De Vos*



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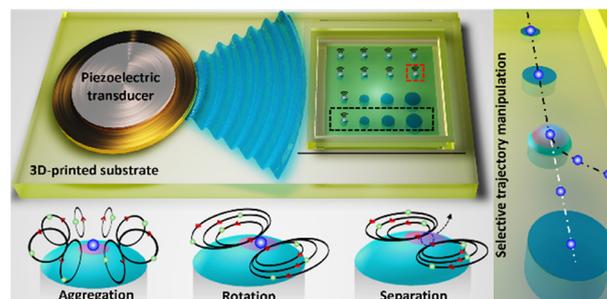
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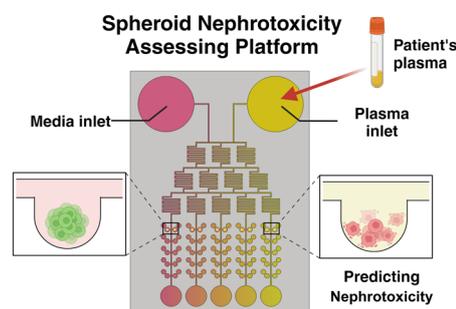
Miaomiao Ji, Yukai Liu, Zheng Zhang, Rui Xu, Fanyun Pan, Ya Zhang, Rouyu Su, Minghui Lu, Xiujian Zhang* and Guanghui Wang*



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High-throughput microfluidic spheroid technology for early detection of colistin-induced nephrotoxicity with gradient-based analysis

Yugyeong Lee, Yunsang Choi, Ju Lan Chun, Hong Bin Kim, Sejoong Kim,* Eu Suk Kim* and Sungsu Park*



CORRECTION

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Correction: Distal renal tubular system-on-a-chip for studying the pathogenesis of influenza A virus-induced kidney injury

Yueyue Huangfu, Ji Wang, Jiao Feng and Zhi-Ling Zhang*

