Lab on a Chip

Devices and applications at the micro- and nanoscale

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See Kazunori Hoshino *et al.*, pp. 127–142.
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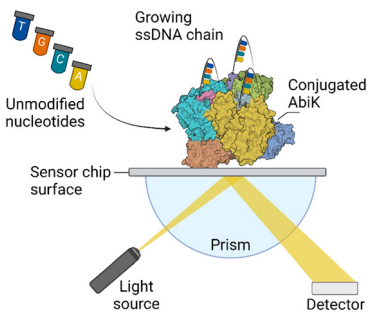
COMMUNICATION



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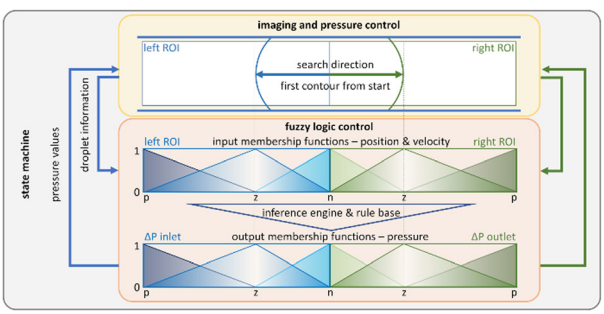

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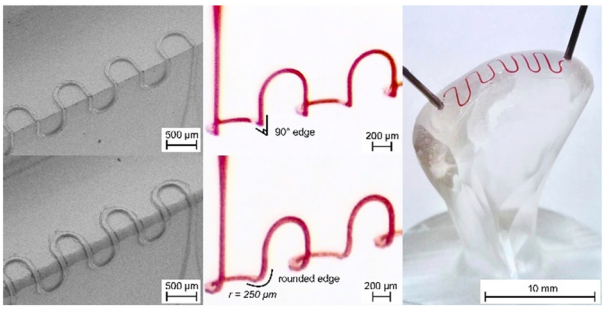
5-Axis CNC micro-milling machine for three-dimensional microfluidics

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



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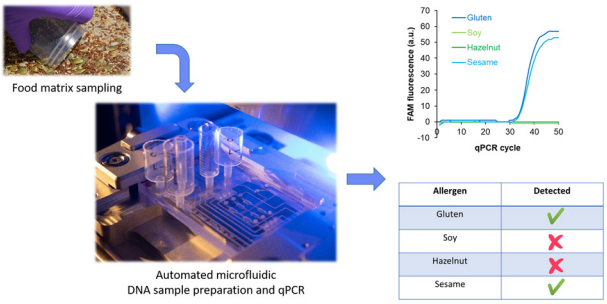
An integrated microfluidic platform for on-site qPCR analysis: food allergen detection from sample to result

Anne-Gaëlle Bourdat,* Remco den Dulk, Bastien Serrano, François Boizot, Gervais Clarebout, Xavier Mermet, Raymond Charles, Jean Porcherot, Armelle Keiser, Manuel Alessio, Patricia Laurent, Nicolas Sarrut and Myriam Cubizolles



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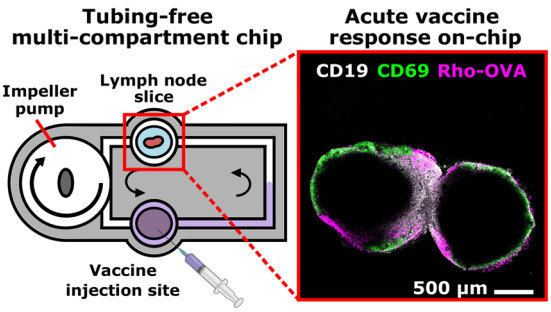
A 3D-printed multi-compartment organ-on-chip platform with a tubing-free pump models communication with the lymph node

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



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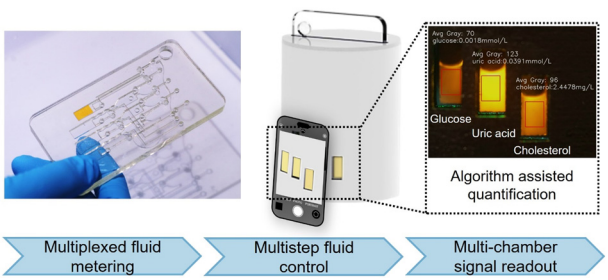
A gravity-driven microfluidic metering system for automation of multiplexed bioassays

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



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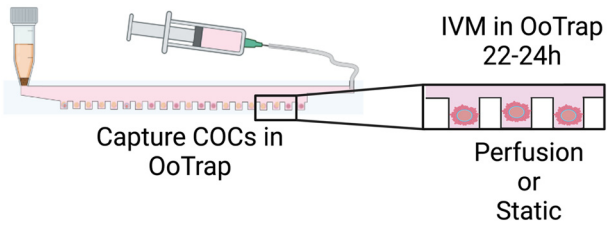

OoTrap: enhancing oocyte collection and maturation with a field-deployable fluidic device

Roksan Franko
and Marcia de Almeida Monteiro Melo Ferraz*

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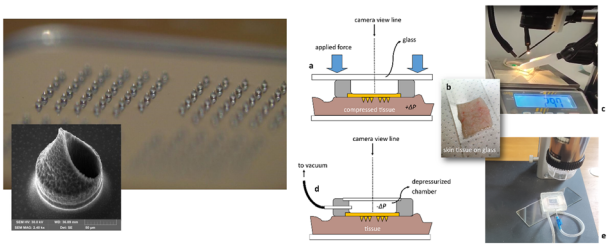

Beveled microneedles with channel for transdermal injection and sampling, fabricated with minimal steps and standard MEMS technology

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

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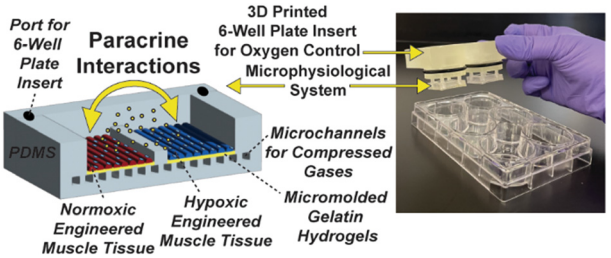

Profiling paracrine interactions between hypoxic and normoxic skeletal muscle tissue in a microphysiological system fabricated from 3D printed components

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

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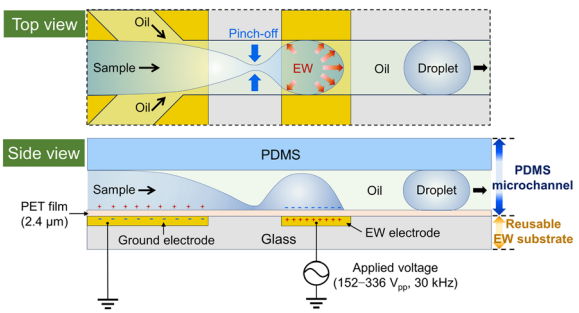

Reusable EWOD-based microfluidic system for active droplet generation

Suhee Park, Jaewook Ryu and Ki-Ho Han*

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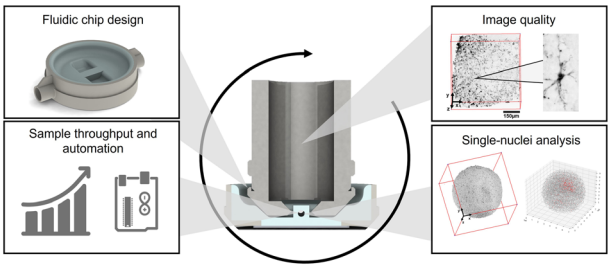

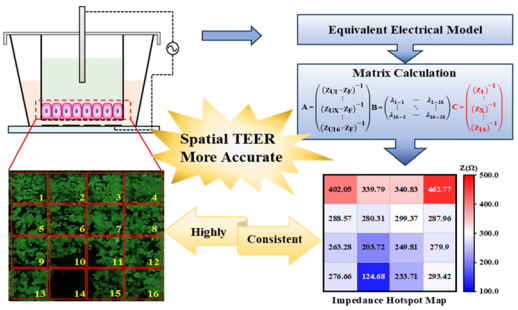

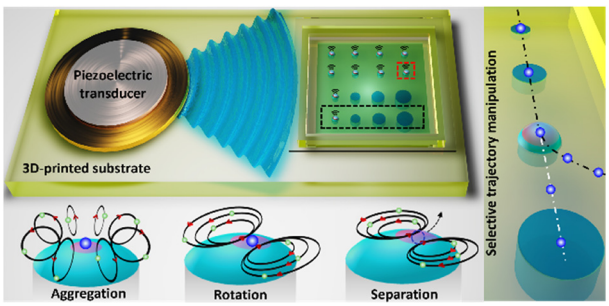

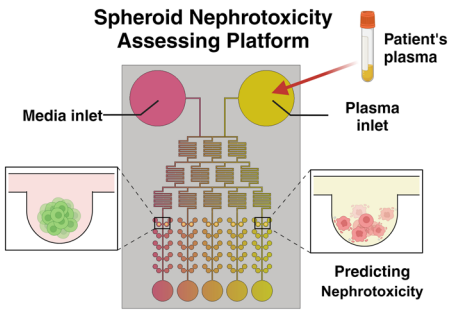

CORRECTION

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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*