

Lab on a Chip

Devices and applications at the micro- and nanoscale
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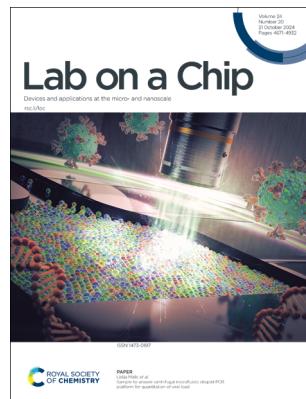
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See Ainara Vallejo-Illarramendi, Jacobo Paredes *et al.*, pp. 4741–4754.
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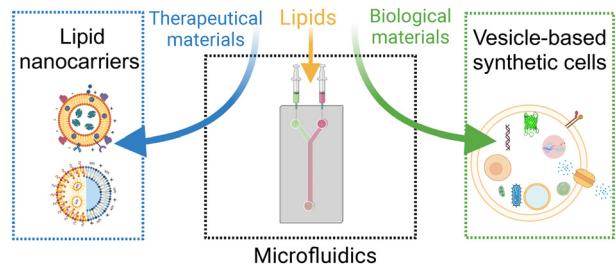
See Lidija Malic *et al.*, pp. 4755–4765.
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Microfluidic technologies for lipid vesicle generation

Yu Cheng, Callum D. Hay, Suchaya M. Mahuttanatan, James W. Hindley,* Oscar Ces* and Yuval Elani*

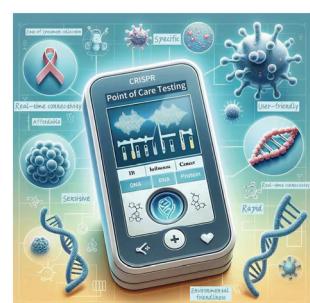


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CRISPR for companion diagnostics in low-resource settings

Xu Qian,* Qiang Xu, Christopher J. Lyon and Tony Y. Hu*





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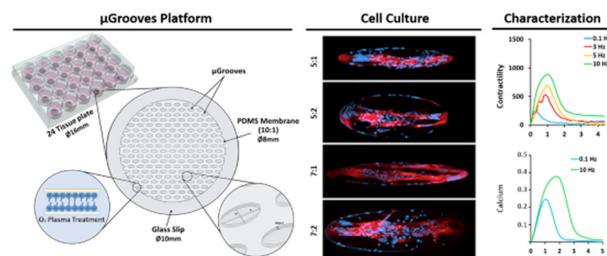


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Development of an *in vitro* platform for the analysis of contractile and calcium dynamics in single human myotubes

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Sample-to-answer centrifugal microfluidic droplet PCR platform for quantitation of viral load

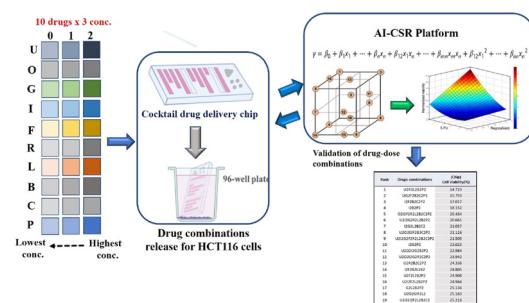
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Selectively cross-linked hydrogel-based cocktail drug delivery micro-chip for colon cancer combinatorial drug screening using AI-CSR platform for precision medicine

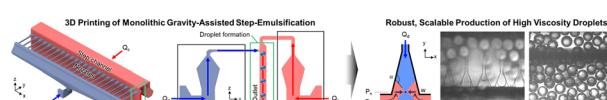
Kiran Kaladharan, Chih-Hsuan Ouyang, Hsin-Yu Yang and Fan-Gang Tseng*



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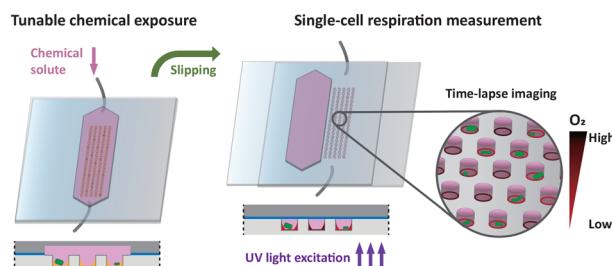
3D printing of monolithic gravity-assisted step-emulsification device for scalable production of high viscosity emulsion droplets

Yoon-Ho Hwang, Je Hyun Lee, Taewoong Um and Hyomin Lee*



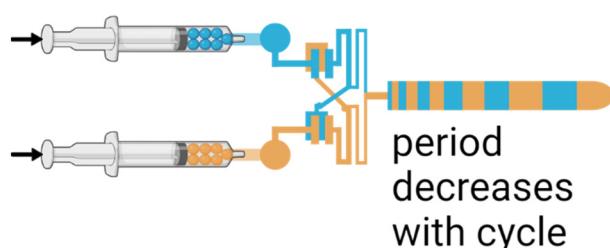
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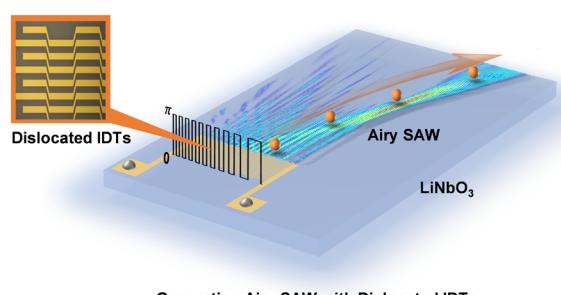
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Sasha Cai Lesher-Pérez, Vishwa Vasani, Jihye So and Shuichi Takayama*

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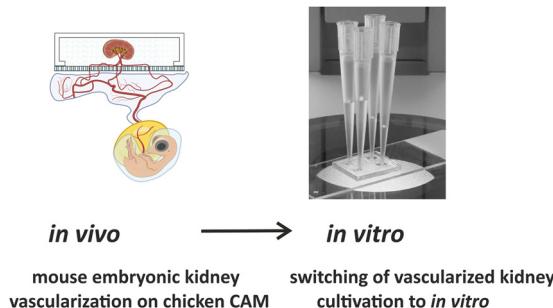


Generating Airy SAW with Dislocated IDTs

Generating Airy surface acoustic waves with dislocated interdigital transducers

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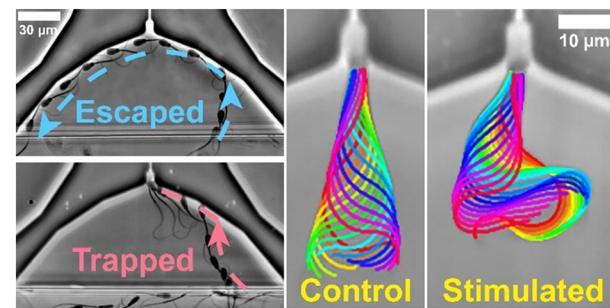
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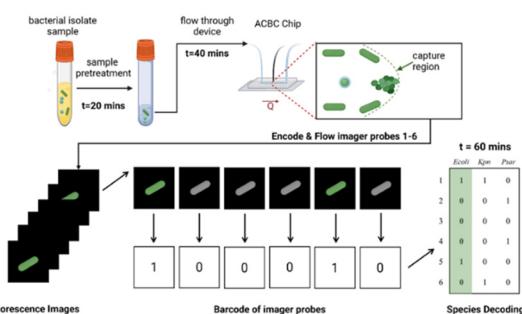
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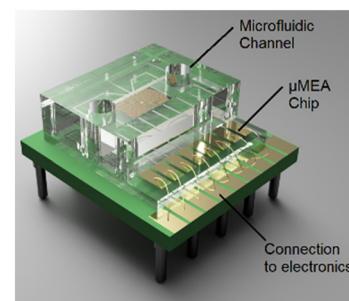
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Integrated microfluidic multiple electrode aggregometry for point-of-care platelet function analysis

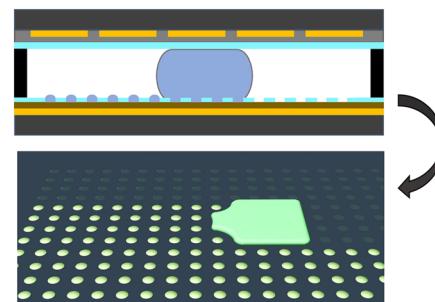
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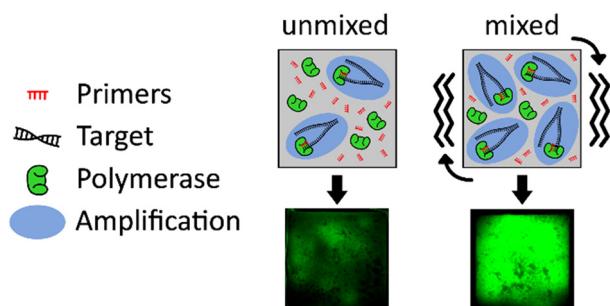
Improved Teflon lift-off for droplet microarray generation and single-cell separation on digital microfluidic chips

Chuanjie Shen, Zhaoduo Tong, Xin Xu and Hongju Mao*



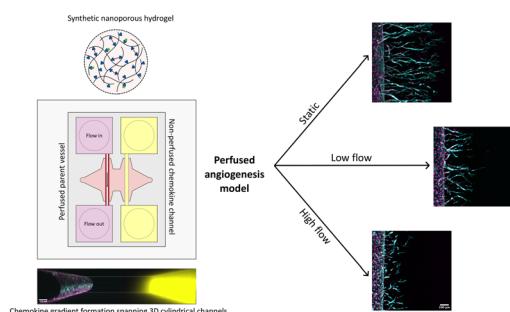
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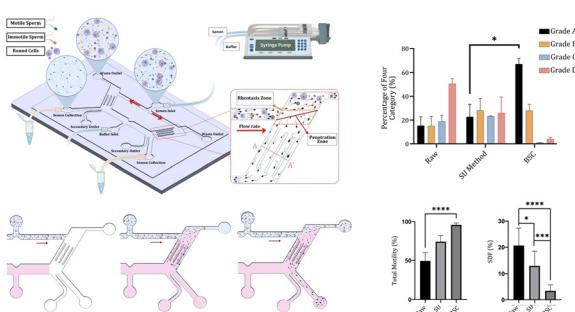
Kelli N. Shimazu, Andrew T. Bender, Per G. Reinhard and Jonathan D. Posner*

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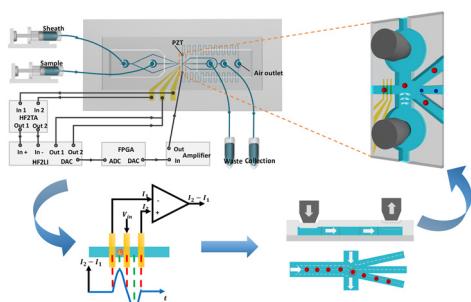
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Ali Sharafatdoust Asl, Mohammad Zabetian Targhi,* Soroush Zeaei, Iman Halvaei and Reza Nosrati*

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Kui Zhang, Ziyang Xia, Yiming Wang, Lisheng Zheng, Baoqing Li* and Jiaru Chu*

