Lab on a Chip

Devices and applications at the micro- and nanoscale

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Inside cover
See Lidija Malic *et al.*, pp. 4755–4765.
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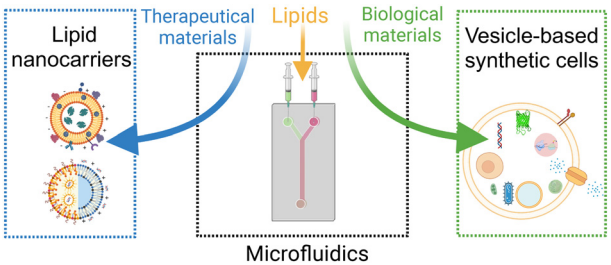
TUTORIAL REVIEW



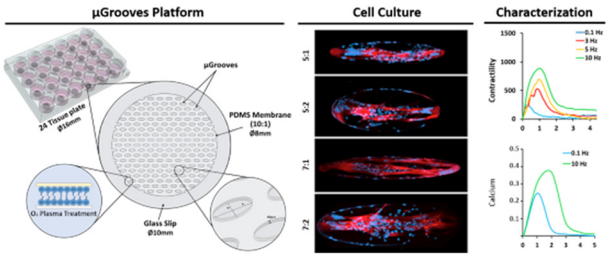
CRITICAL REVIEW

PAPERS

4741

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

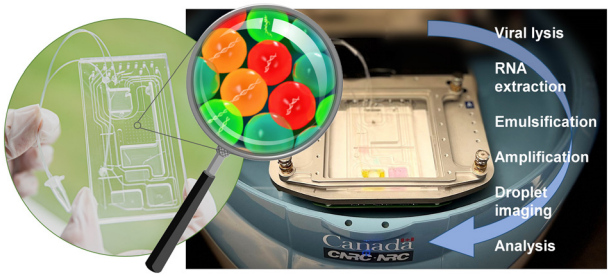
Camila Vesga-Castro, Laura Mosqueira-Martín, Paul Ubiria-Urkola, Pablo Marco-Moreno, Klaudia González-Imaz, Jorge Rendon-Hinestroza, Ainara Vallejo-Illarramendi* and Jacobo Paredes*



4755

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

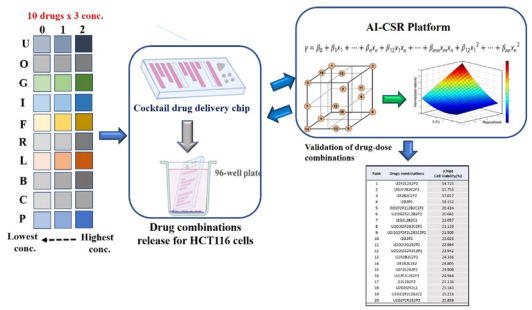
Lidija Malic,* Liviu Clime, Byeong-Ui Moon, Christina Nassif, Dillon Da Fonte, Daniel Brassard, Ljuboje Lukic, Matthias Geissler, Keith Morton, Denis Charlebois and Teodor Veres



4766

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

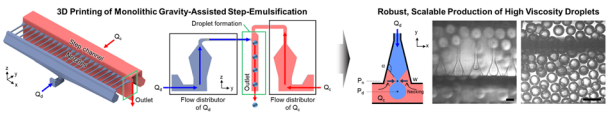
Kiran Kaladharan, Chih-Hsuan Ouyang, Hsin-Yu Yang and Fan-Gang Tseng*



4778

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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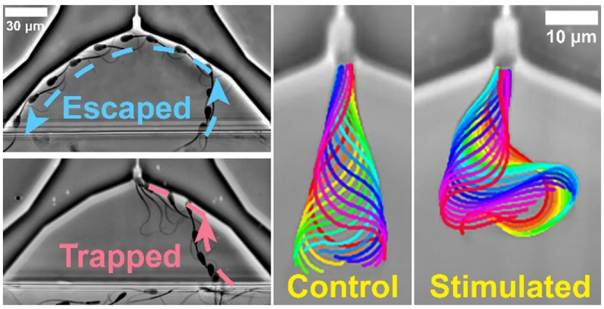

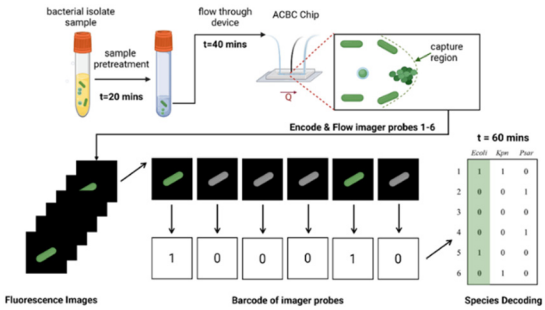

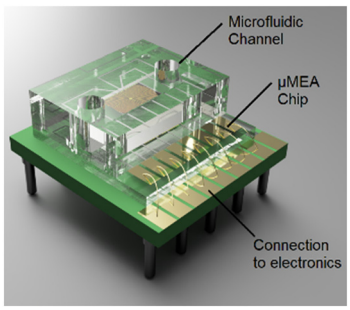

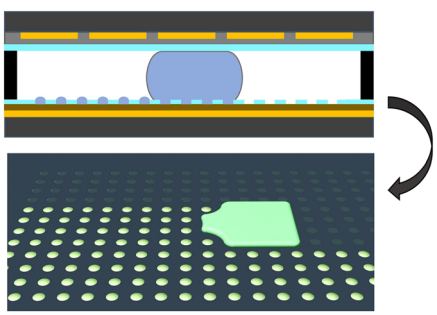

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