

# Lab on a Chip

Devices and applications at the micro- and nanoscale  
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See Hyunjung Lim, Aram J. Chung *et al.*, pp. 1229–1261.  
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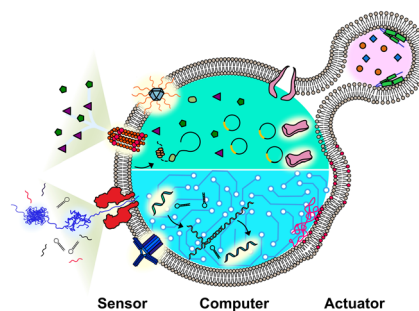
**Inside cover**  
See Hao Sun *et al.*, pp. 1419–1440.  
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## PERSPECTIVES

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### Lipid vesicle-based molecular robots

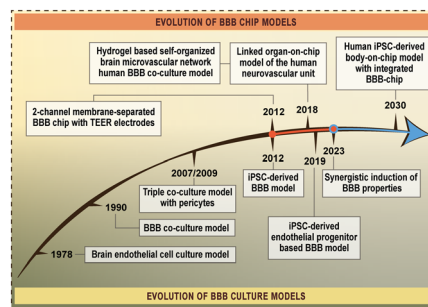
Zugui Peng, Shoji Iwabuchi, Kayano Izumi, Sotaro Takiguchi, Misa Yamaji, Shoko Fujita, Harune Suzuki, Fumika Kambara, Genki Fukasawa, Aileen Cooney, Lorenzo Di Michele,\* Yuval Elani,\* Tomoaki Matsuura\* and Ryuji Kawano\*



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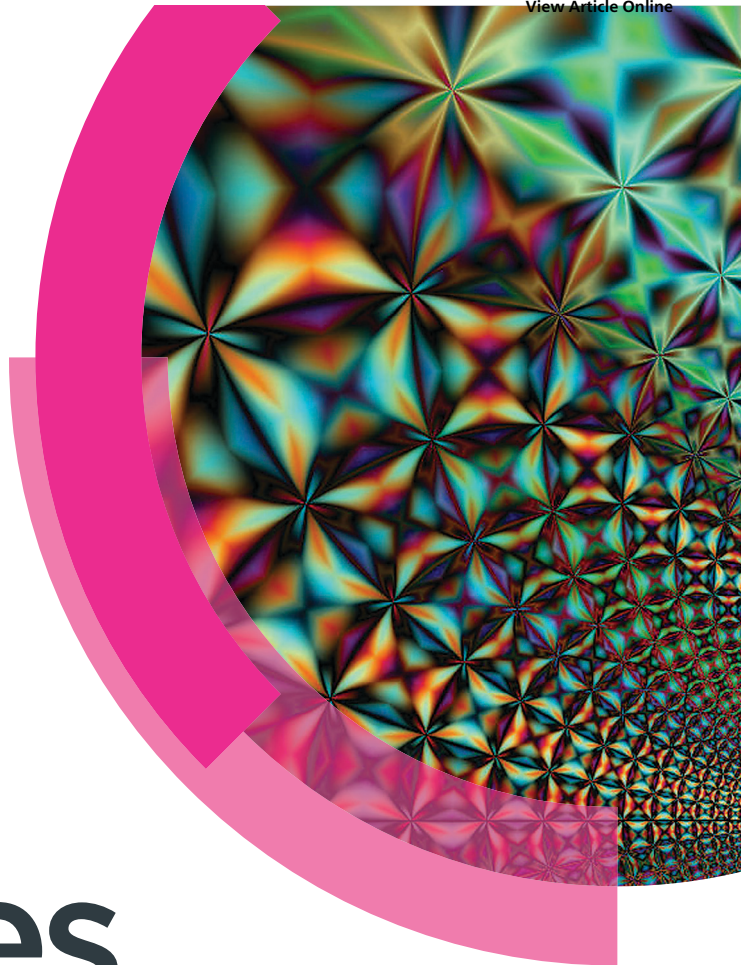


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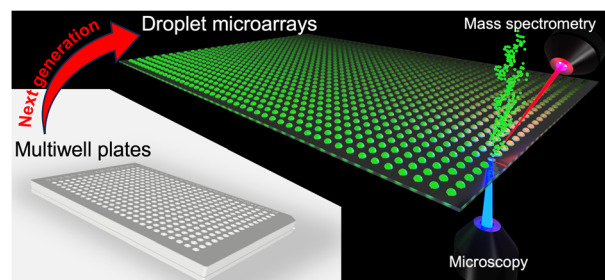


## PERSPECTIVES

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**Open microfluidics: droplet microarrays as next generation multiwell plates for high throughput screening**

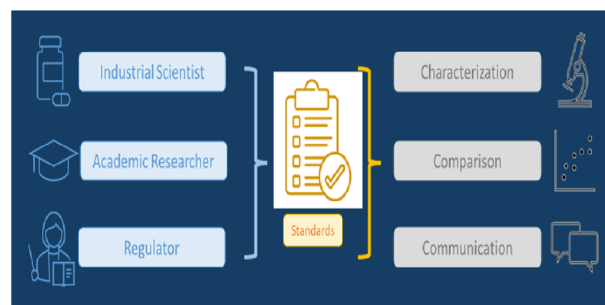
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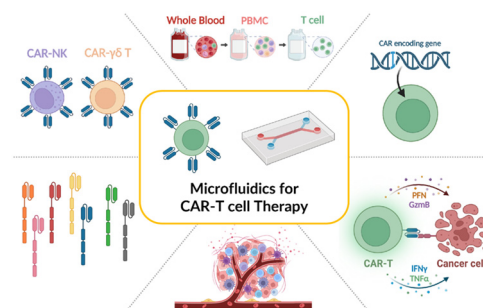


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**Expanding CAR-T cell immunotherapy horizons through microfluidics**

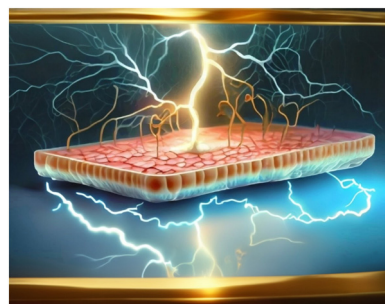
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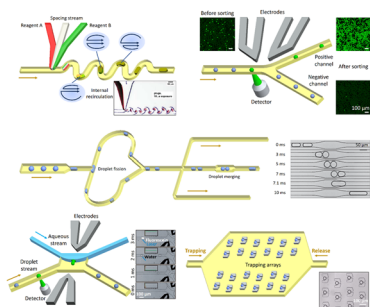
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Muriel A. Holzreuter\* and Loes I. Segerink



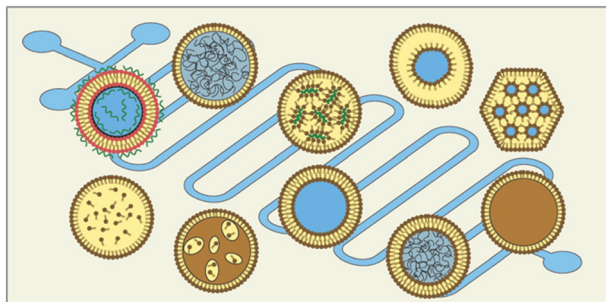
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Lang Nan, Huidan Zhang, David A. Weitz and Ho Cheung Shum\*

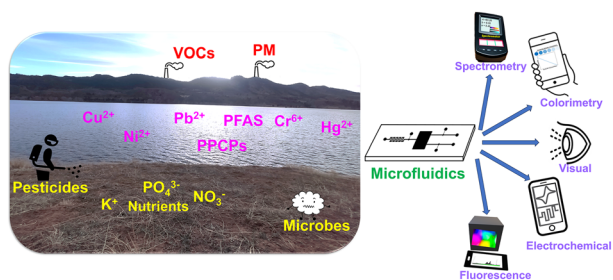
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Sima Mehraji and Don L. DeVoe\*

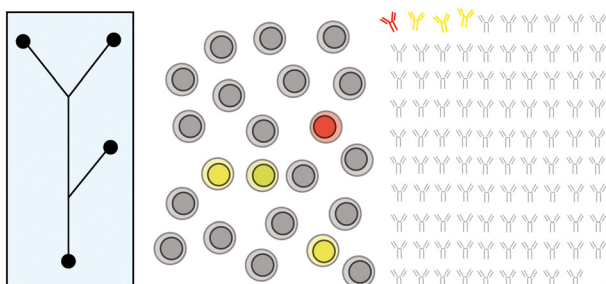
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Luca Johannes Schlottheuber, Ines Luchtefeld and Klaus Eyer\*

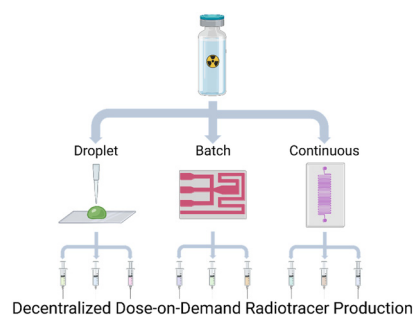


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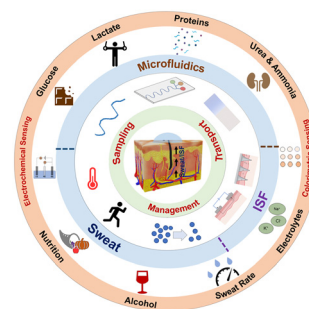
Mark Mc Veigh and Leon M. Bellan\*



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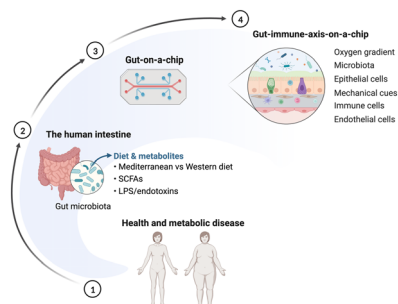
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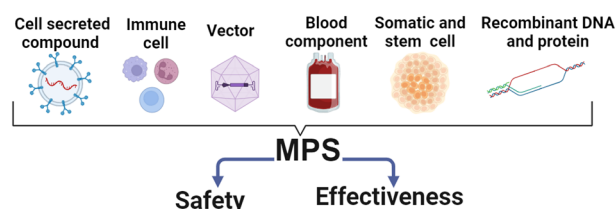
Alexandra E. Wheeler, Verena Stoeger and Róisín M. Owens\*



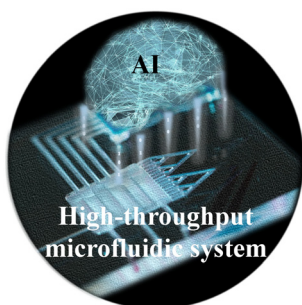
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**Progress in developing microphysiological systems for biological product assessment**

Mona Mansouri, Johnny Lam and Kyung E. Sung\*



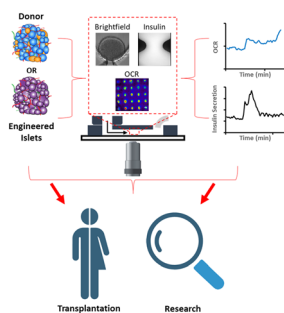
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Jianhua Zhou, Jianpei Dong, Hongwei Hou, Lu Huang\* and Jinghong Li\*

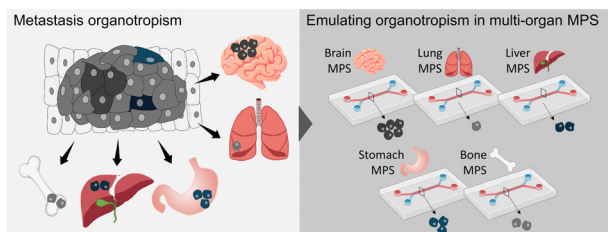
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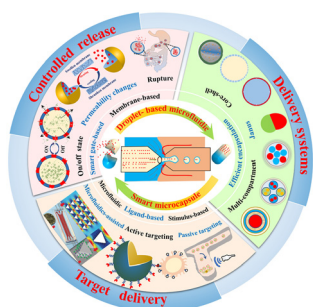
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Lingling Ren, Shuang Liu, Junjie Zhong\* and Liyuan Zhang\*

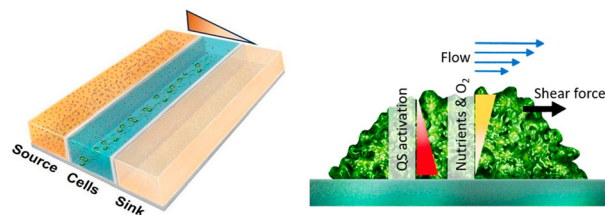


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Giovanni Stefano Ugolini,\* Miaoxiao Wang,  
Eleonora Secchi, Roberto Pioli, Martin Ackermann  
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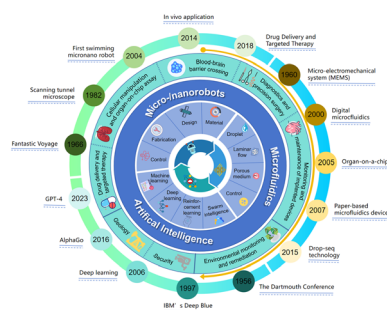


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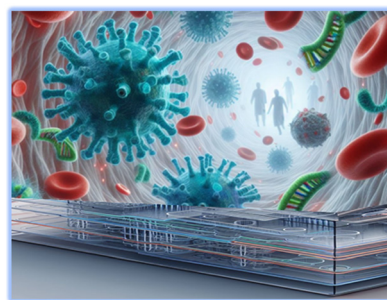
Hui Dong, Jiawen Lin, Yihui Tao, Yuan Jia, Lining Sun,  
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Thomas Lehnert\* and Martin A. M. Gijs



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Derrick Butler and Darwin R. Reyes\*

