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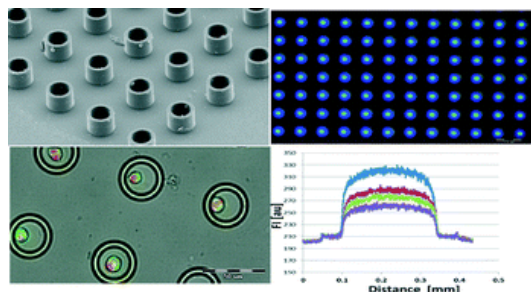
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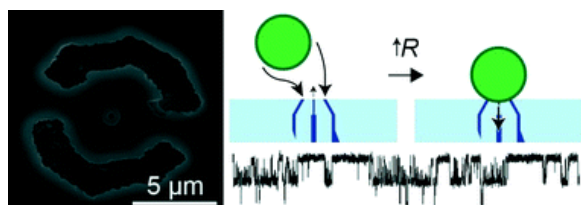
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N. Zurgil, O. Ravid-Hermesh, Y. Shafran, S. Howitz, E. Afrimzon, M. Sobolev, J. He, E. Shinar, R. Goldman-Levi and M. Deutsch
Lab Chip, 2014, 14, 2226-2239
 DOI: 10.1039/C3LC51426A



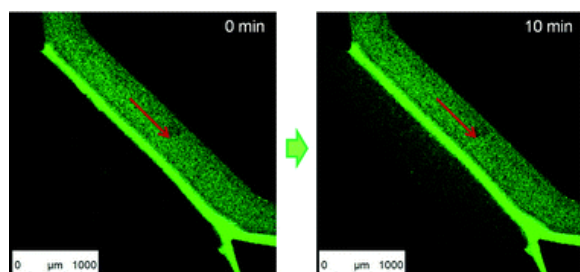
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Lab Chip, 2014, 14, 2410-2417
 DOI: 10.1039/C4LC00370E



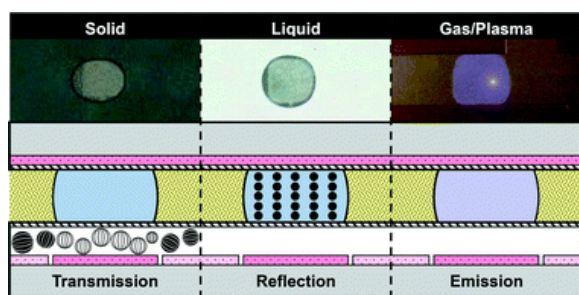
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Yi-Meng Sun, Wei Wang, Yun-Yan Wei, Nan-Nan Deng, Zhuang Liu, Xiao-Jie Ju, Rui Xie and Liang-Yin Chu
Lab Chip, 2014, 14, 2418-2427
 DOI: 10.1039/C4LC00273C



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Shih-Kang Fan and Fu-Min Wang
Lab Chip, 2014, Advance Article
 DOI: 10.1039/C4LC00317A

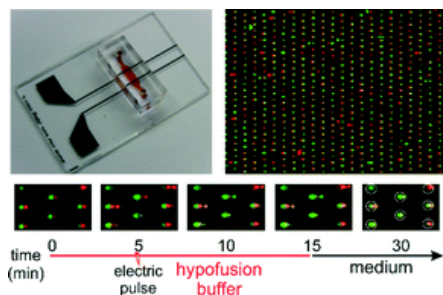


[Deformability-based microfluidic cell pairing and fusion](#)

Burak Dura, Yaoping Liu and Joel Voldman

Lab Chip, 2014, Advance Article

DOI: 10.1039/C4LC00303A

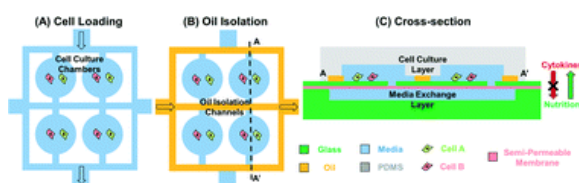


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Yu-Chih Chen, Yu-Heng Cheng, Hong Sun Kim, Patrick N. Ingram, Jacques E. Nor and Euisik Yoon

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DOI: 10.1039/C4LC00391H

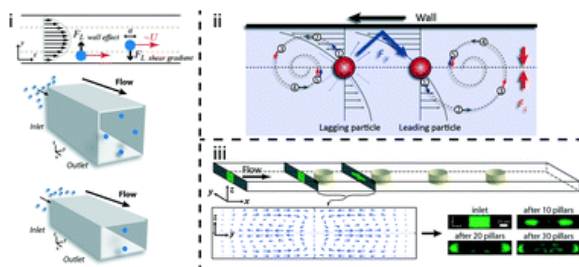


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Hamed Amini, Wonhee Lee and Dino Di Carlo

Lab Chip, 2014, Advance Article

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[Microfluidic valves and pumps for all](#)

17 Jun 2014

Over the years, the materials used to make microfluidic devices have dictated the progress of the field. The development of early silicon and glass devices progressed very slowly because the fabrication methods required to make these devices were prohibitively expensive and inaccessible.¹ Since the arrival of polydimethylsiloxane (PDMS)-based devices made by elastomeric micromolding or “soft lithography” in 1998,² the pace of microfluidic technology development has increased dramatically. For example, between 1998 and 2010, the number of microfluidic-related