

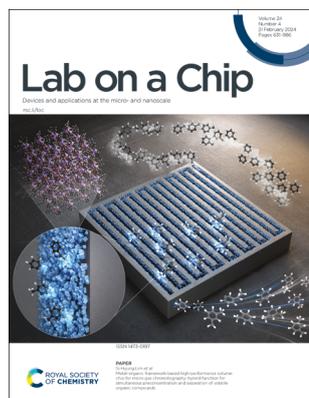
# Lab on a Chip

Devices and applications at the micro- and nanoscale  
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ISSN 1473-0197 CODEN LCAHAM 24(4) 631-986 (2024)



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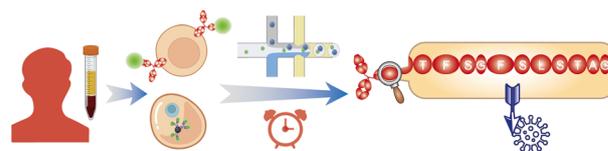
**Inside cover**  
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Daniel Brassard *et al.*,  
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Ziwei Wang, Amelia Siqi Huang, Lingfang Tang, Jianbin Wang and Guanbo Wang\*



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Yeongseok Lee, Yuntaek Choi, Jaehyun Sim, Jeonghun Kim and Si-Hyung Lim\*





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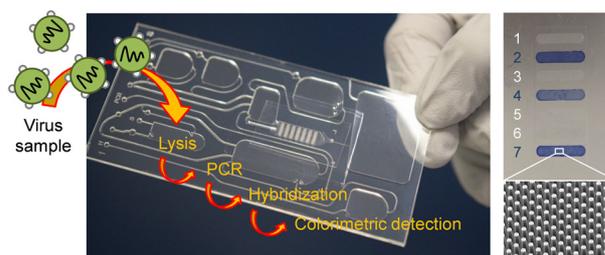
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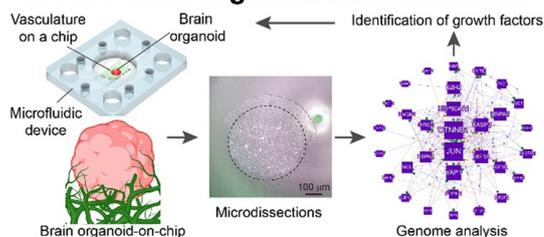


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Maneesha Shaji, Atsushi Tamada, Kazuya Fujimoto, Keiko Muguruma,\* Stanislav L. Karsten\* and Ryuji Yokokawa\*

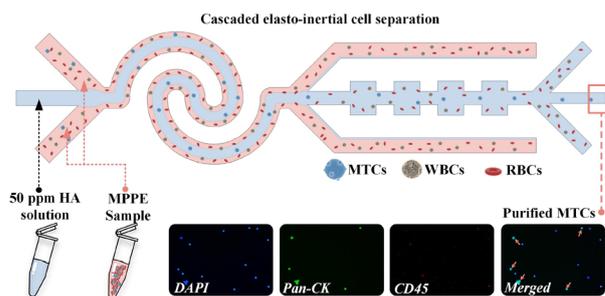
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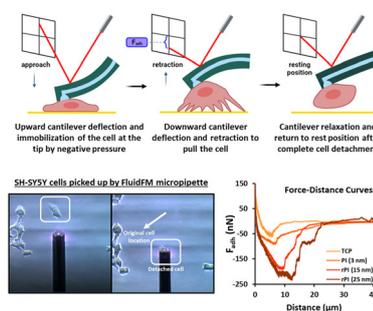
Chen Ni, Dan Wu, Yao Chen, Silin Wang and Nan Xiang\*



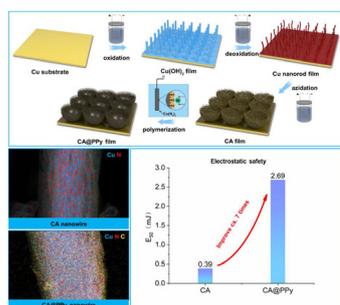
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### Single-cell fluid-based force spectroscopy reveals near lipid size nano-topography effects on neural cell adhesion

Zeina Habli, Rima Lahoud, Ahmad Zantout, Wassim Abou-Kheir and Massoud L. Khraiche\*



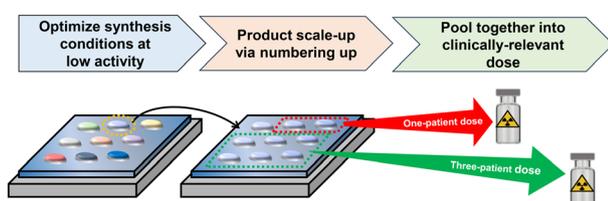
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Minghao Bao, Chunpei Yu,\* Gexing Yang, Junhong Chen, He Cheng, Jianyong Xu, Wei Shi, Changkun Song, Xiaoting Lei, Zhongbo Han and Wenchao Zhang\*

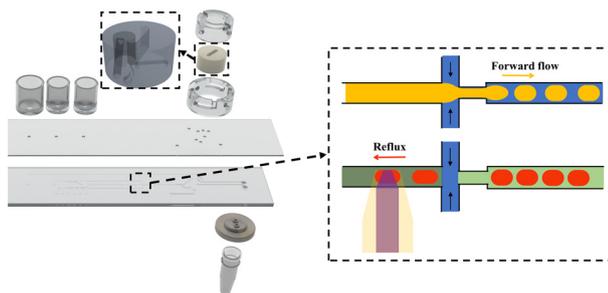
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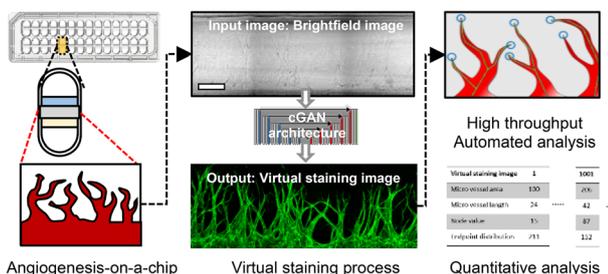
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Xiaoliang Zhang, Shun Wang, Jinxian Wang, Xiaojie Sun, Jinbing Xue, Zhenya Wang, Tianhang Yang, Liangfei Weng, Bidou Wang\* and Gangyin Luo\*

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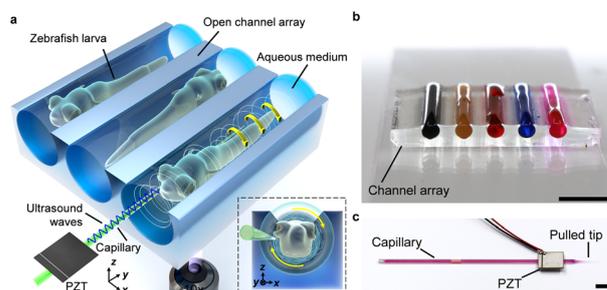
Suryong Kim, Jungseub Lee, Jihoon Ko, Seonghyuk Park, Seung-Ryeol Lee, Youngtaek Kim, Taeseung Lee, Sunbeen Choi, Jiho Kim, Wonbae Kim, Yoojin Chung, Oh-Heum Kwon and Noo Li Jeon\*



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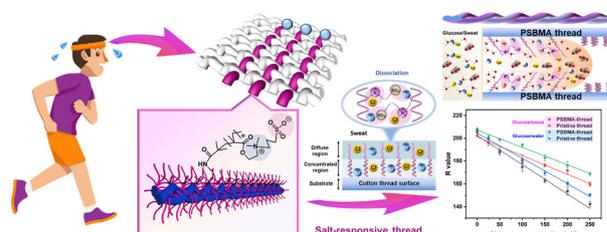
Zhiyuan Zhang, Yilin Cao, Sara Caviglia, Prajwal Agrawal, Stephan C. F. Neuhauss and Daniel Ahmed\*



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### Smart salt-responsive thread for highly sensitive microfluidic glucose detection in sweat

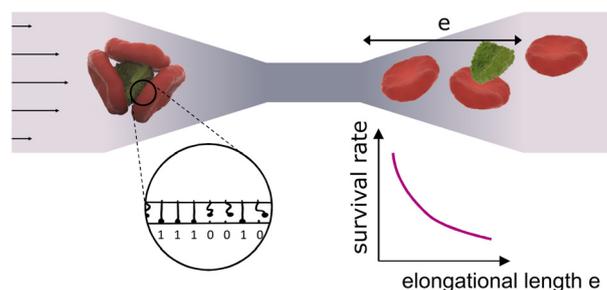
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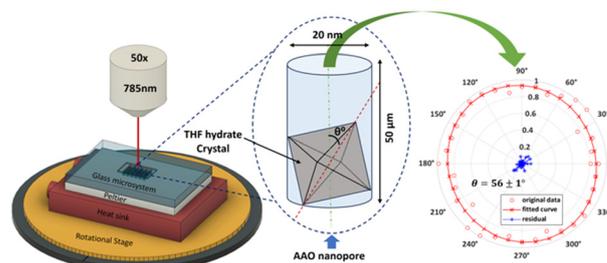
Anna M. Jötten, Anabelle Schepp, Adam Machon, Kirsten Moll, Mats Wahlgren, Timm Krüger and Christoph Westerhausen\*



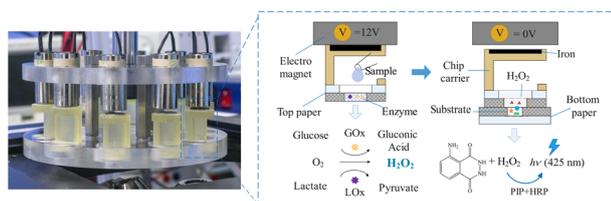
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Mrityunjay K. Sharma, Xin Ning Leong, Carolyn A. Koh and Ryan L. Hartman\*



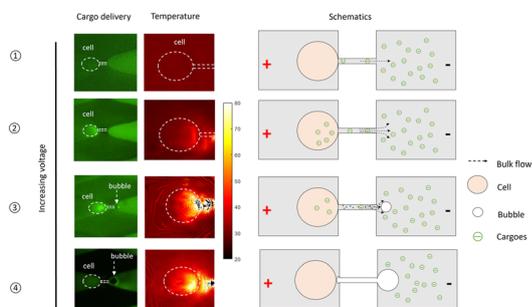
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### High sensitivity and automatic chemiluminescence detection of glucose and lactate using a spin-disc paper-based device

Wenqiang Tong, Jiaming Shi, Zhihang Yu, Bin Ran, Huaying Chen\* and Yonggang Zhu\*

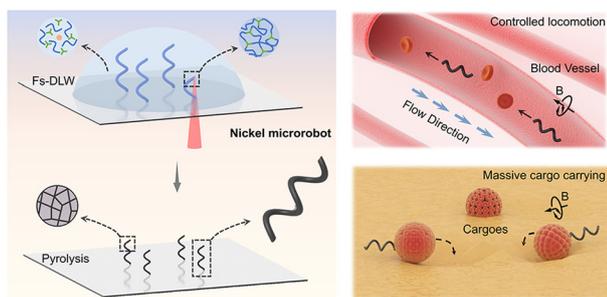
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### Joule heating and electroosmotic flow in cellular micro/nano electroporation

Junjie Pan, Xinyu Wang, Chi-ling Chiang, Yifan Ma, Junao Cheng, Paul Bertani, Wu Lu\* and L. James Lee\*

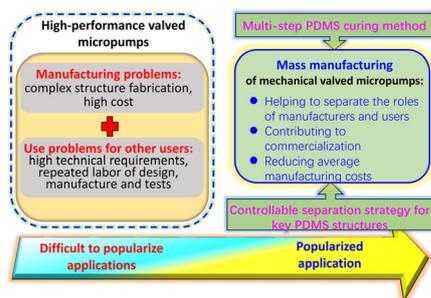
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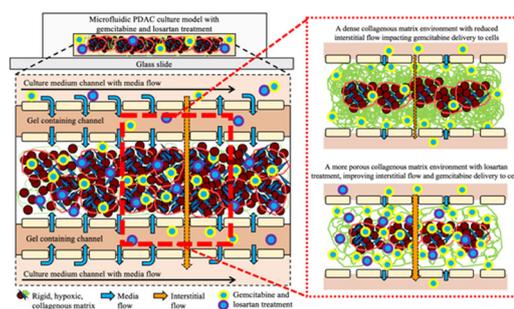
Zhichang Du, Wei Sun\* and Shengli Mi\*



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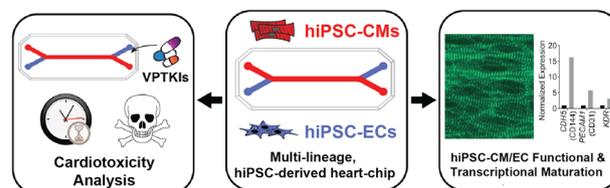
Delanyo Kpeglo, Malcolm Haddrick, Margaret A. Knowles, Stephen D. Evans and Sally A. Peyman\*



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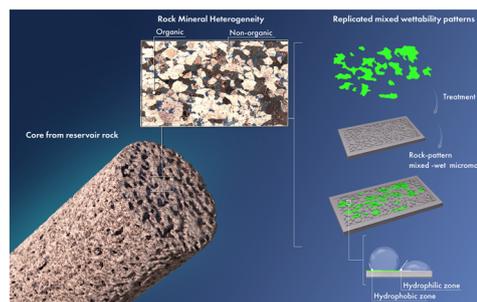
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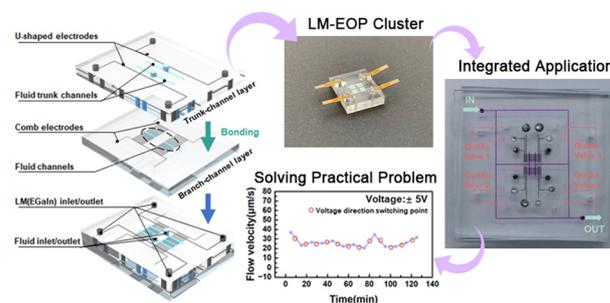
Abdullah AlOmier, Dongkyu Cha, Subhash Ayirala, Ali Al-Yousef and Hussein Hoteit\*



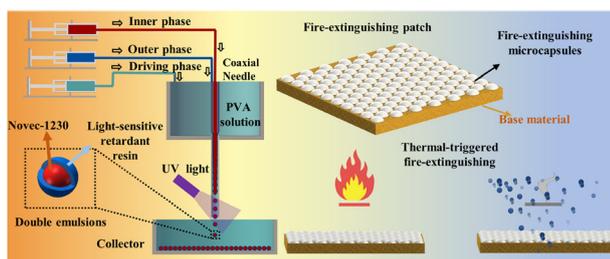
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## A liquid metal based, integrated parallel electroosmotic micropump cluster drive system

Qian Li, Pan Zhang, Zi Ye, Huimin Zhang, Xiao Sun and Lin Gui\*



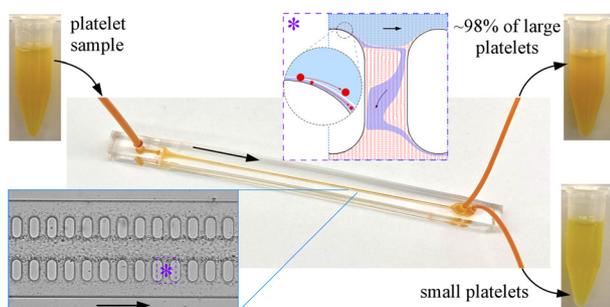
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Chen Li, Hairui Bian, Dang Ding, Fangsheng Huang\* and Zhiqiang Zhu\*

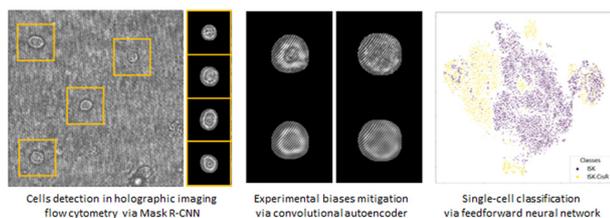
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Mai T. P. Dinh, Anton Mukhamedshin, Kumar Abhishek, Fong W. Lam, Sean C. Gifford and Sergey S. Shevkoplyas\*

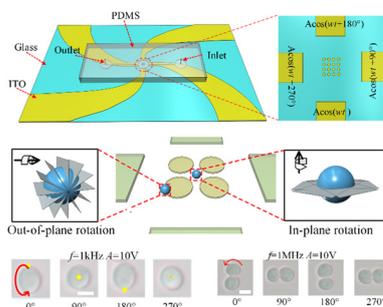
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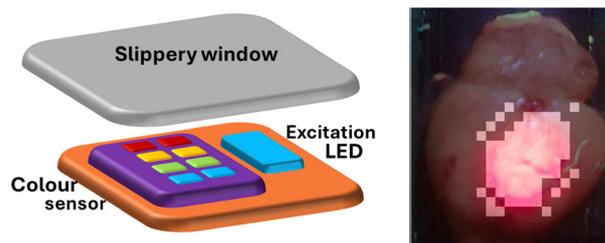
Yupan Wu,\* Yuanbo Yue, Haohao Zhang, Xun Ma, Zhixin Zhang, Kemu Li, Yingqi Meng, Shaoyi Wang, Xuewen Wang\* and Wei Huang\*



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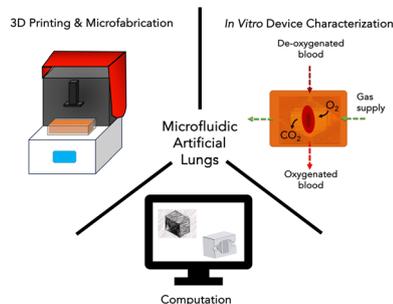
Jean Pierre Ndabakuranye, James Belcourt, Deepak Sharma, Cathal D. O'Connell, Victor Mondal, Sanjay K. Srivastava, Alastair Stacey, Sam Long, Bobbi Fleiss and Arman Ahnood\*



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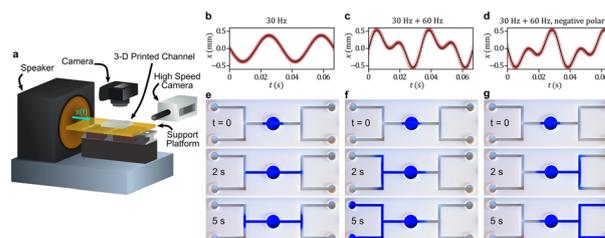
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Timothy C. Hui, Xiaolin Zhang, Dhruva Adiga, Gregory H. Miller and William D. Ristenpart\*



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Laura Niebling,\* Ramona Nitzsche, Thorben Sieksmeyer, Vera Haskamp, Jonas Kissenkötter, Ahmed Abd El Wahed, Thomas Teufel, Herbert Hermann, Nils Paust and Ana R. Homann\*

