

Lab on a Chip

Devices and applications at the micro- and nanoscale
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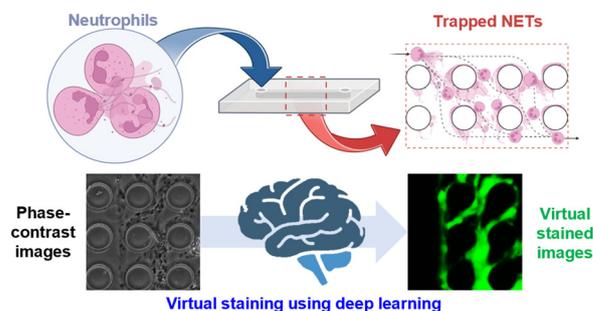


COMMUNICATION

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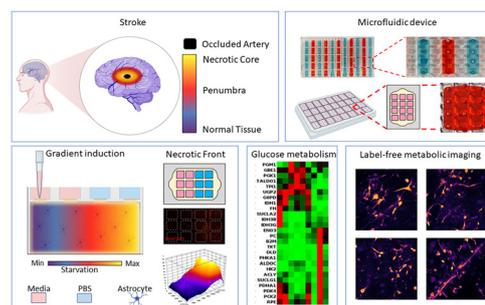
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Microfluidic device with reconfigurable spatial temporal gradients reveals plastic astrocyte response to stroke and reperfusion

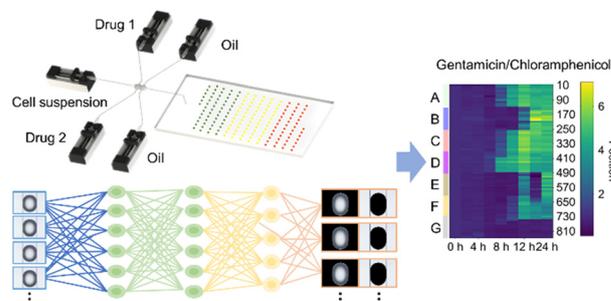
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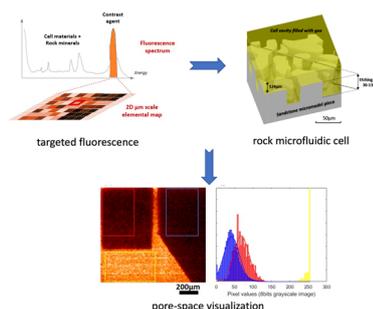
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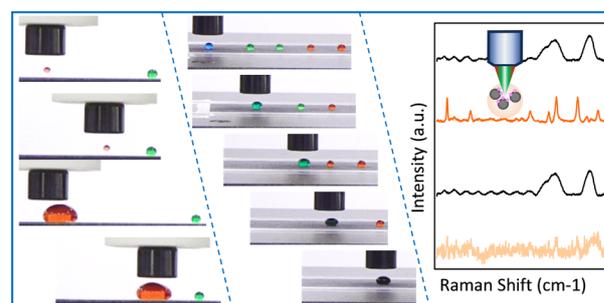
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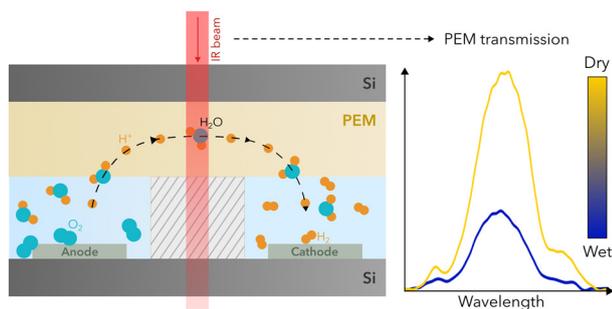
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Tao Luo,* Sirui Liu, Rui Zhou, Chen Zhang, Dongyang Chen, Yi Zhan, Qilin Hu, Xi He, Yu Xie, Zhijie Huan, Wendi Gao, Ruirui Li, Gongfa Yuan, Yancheng Wang and Wei Zhou*



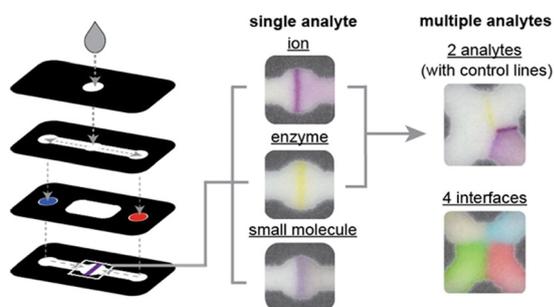
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Probing membrane hydration in microfluidic polymer electrolyte membrane electrolyzers via operando synchrotron Fourier-transform infrared spectroscopy

Kevin Krause, Marine Garcia, Dominique Michau, Gérald Clisson, Brant Billinghamurst, Jean-Luc Battaglia and Stéphane Chevalier*

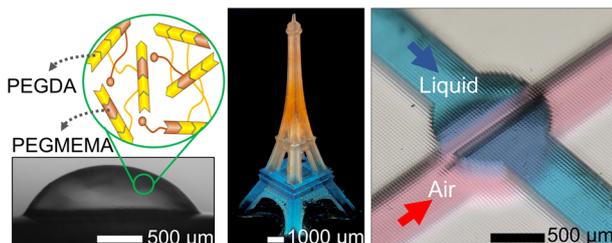
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Generating signals at converging liquid fronts to create line-format readouts of soluble assay products in three-dimensional paper-based devices

Ibrahim H. Abdullah, Daniel J. Wilson, Andrea C. Mora, Rayleigh W. Parker and Charles R. Mace*

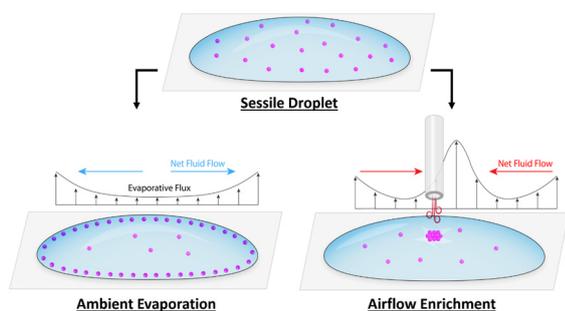
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Alireza Ahmadianyazdi,* Isaac J. Miller and Albert Folch

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Sample preconcentration through airjet-induced liquid phase enrichment

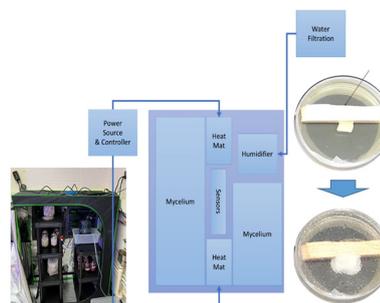
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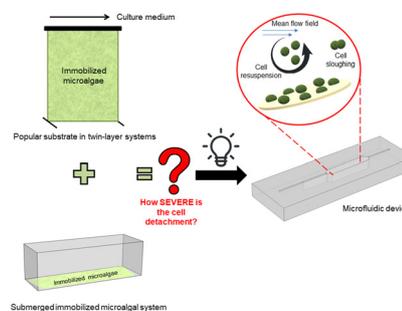
Libin Yang, Ruohan Xu, Anushka Joardar, Michael Amponsah, Nina Sharifi, Bing Dong and Zhao Qin*



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A microscale system for *in situ* investigation of immobilized microalgal cell resistance against liquid flow in the early inoculation stage

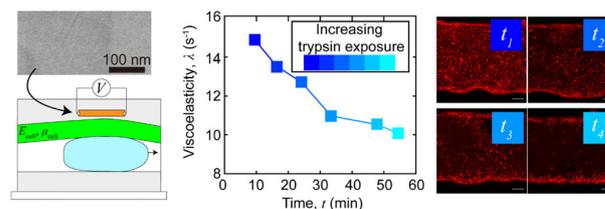
C. Y. Tong, Huai Z. Li* and C. J. C. Derek*



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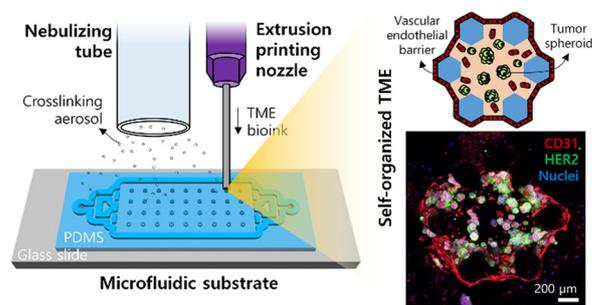
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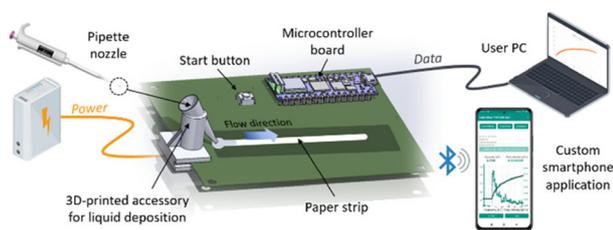
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Gihyun Lee, Soo Jee Kim and Je-Kyun Park*



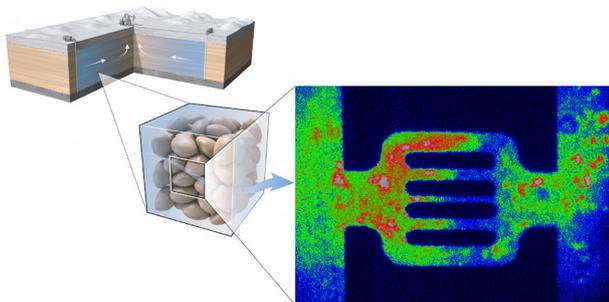
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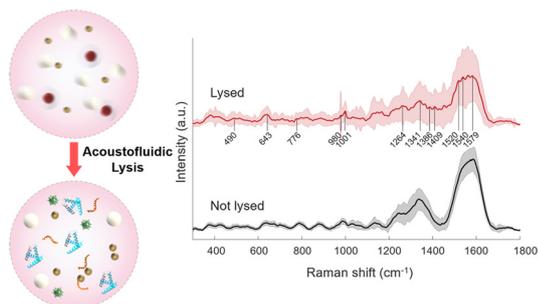
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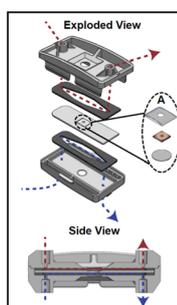
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