

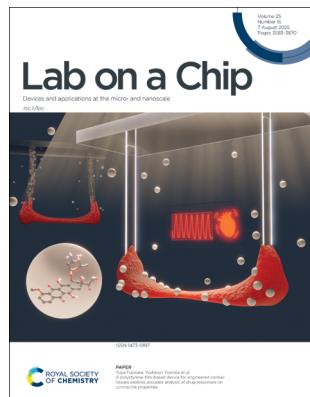
Lab on a Chip

Devices and applications at the micro- and nanoscale
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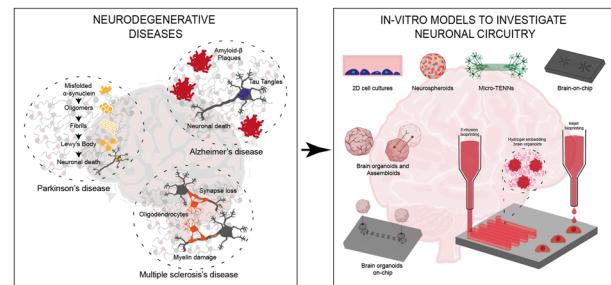
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Chiara Ausilio, Annachiara Scalzone
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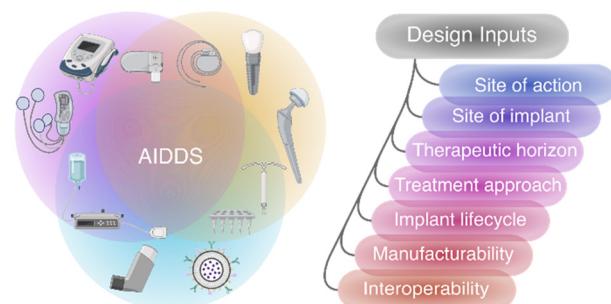


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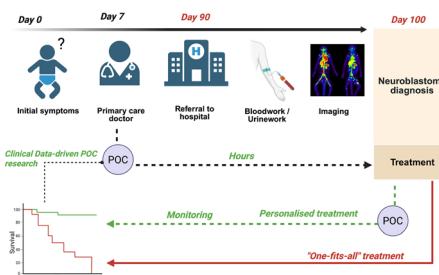
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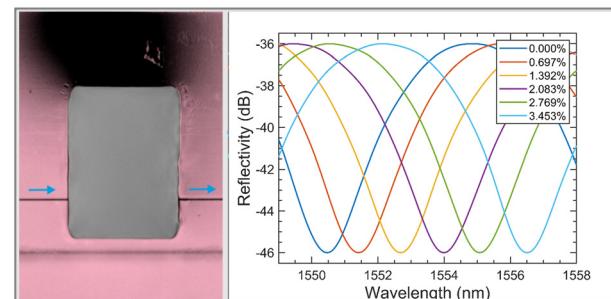


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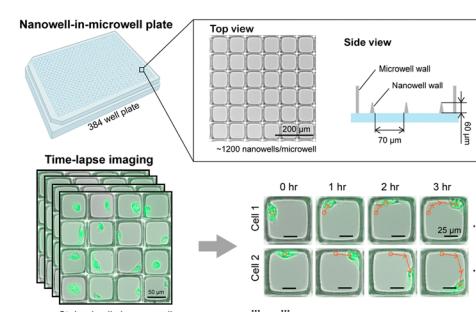
Daniel Nwatu,* Sergiy Suntsov, Detlef Kip and Kore Hasse



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Pan Deng, Wenze Lyu, Deasung Jang, Kerryn Matthews, Simon P. Duffy and Hongshen Ma*

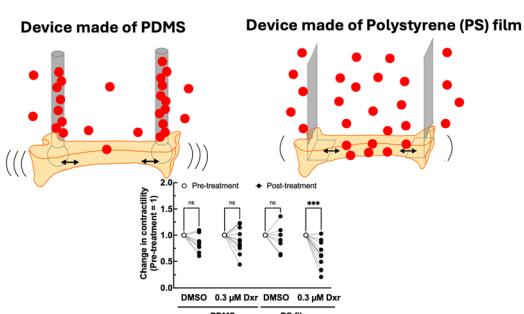


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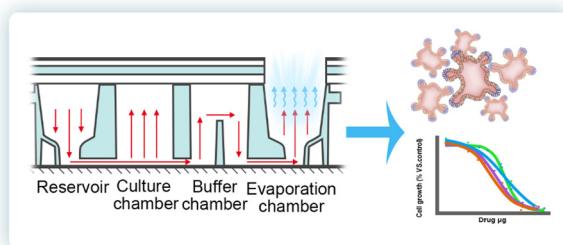
A polystyrene-film-based device for engineered cardiac tissues enables accurate analysis of drug responses on contractile properties

Yuya Fujiwara,* Masako Sasaki, Sohei Funaoka, Takuro Yoshikuni, Yuki Naka, Kazumi Ida, Taichi Aihara, Shunsuke Funakoshi, Kenichi Imahashi and Yoshinori Yoshida*



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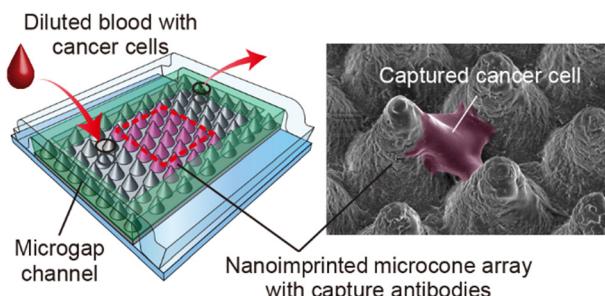
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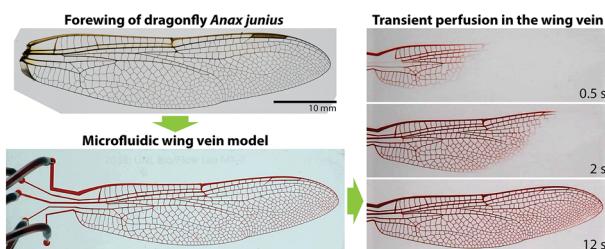
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Yuhei Saito, Natsumi Shimmyo, Shuhei Aoyama, Rie Utoh, Minoru Seki and Masumi Yamada*

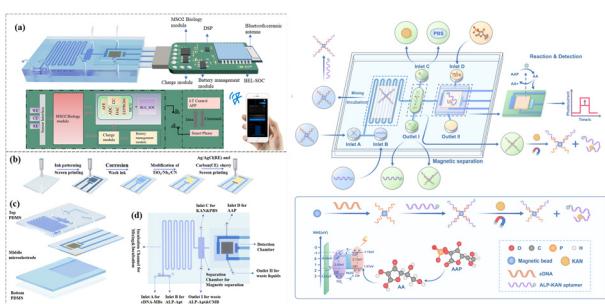
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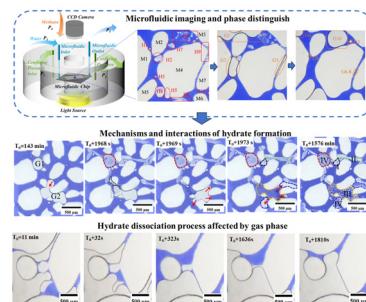


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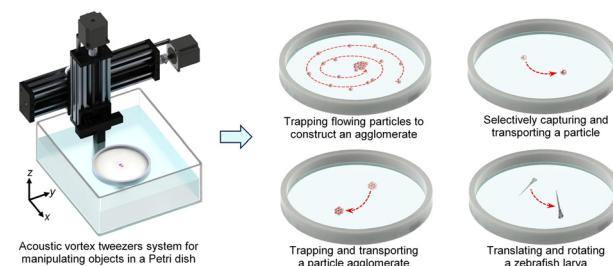
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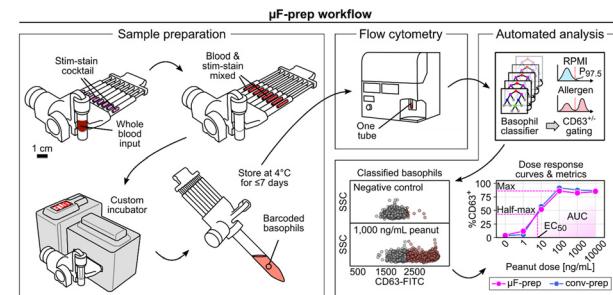
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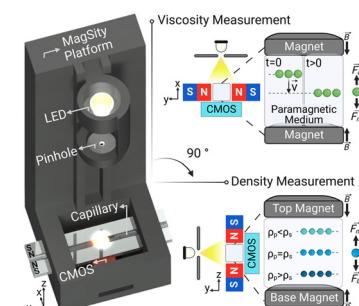
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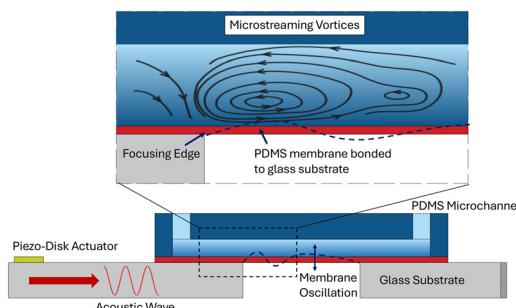
MagSity platform: a hybrid magnetic levitation-based lensless holographic microscope platform for liquid density and viscosity measurements

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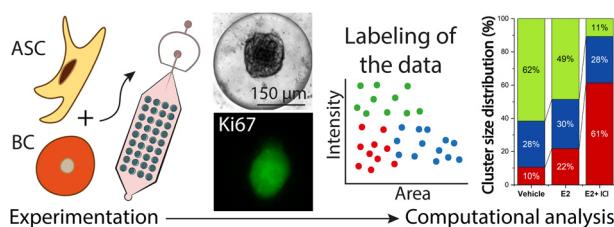
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Acoustic microstreaming and augmentation of gas exchange using an oscillating membrane towards microfluidic artificial lungs

Anthony Mercader and Sung Kwon Cho*

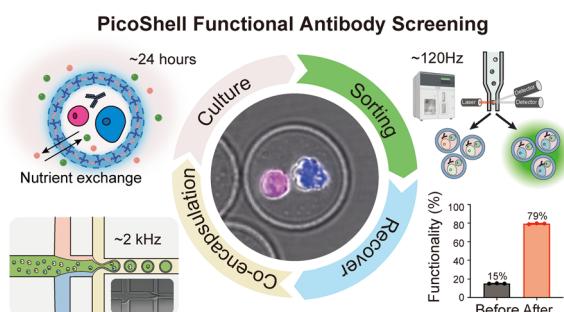
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Droplet microfluidics integrated with machine learning reveals how adipose-derived stem cells modulate endocrine response and tumor heterogeneity in ER⁺ breast cancer

Braulio Andrés Ortega Quesada, Calley Chauvin, Elizabeth Martin* and Adam Melvin*

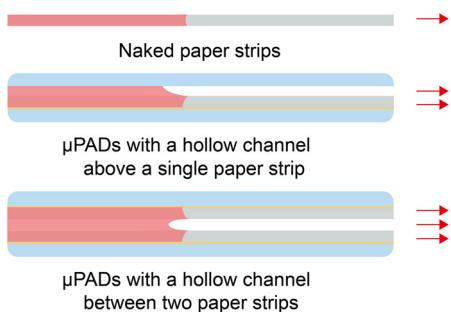
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Functional screening of antibody-secreting cells by co-culture with reporter T cells using PicoShells

Kazuki Nishimoto,* Rajesh Ghosh, Mark van Zee, Darren Fang, Zhiyuan Mao, Miyako Noguchi and Dino Di Carlo*

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Fast capillary flow on μPADs with hollow channels packaged by a thermal contraction tube

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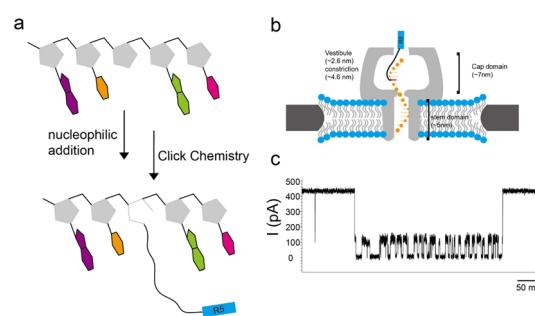


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Monitoring the mechanical responses of tumor metastasis based on a microfluidic chip integrated with an electrochemical detection system

Shuqi Chen, Hang Qi, Yuanheng Kuang, Quanning Li, Xuejiao Chen and Yanyan Wang*

