

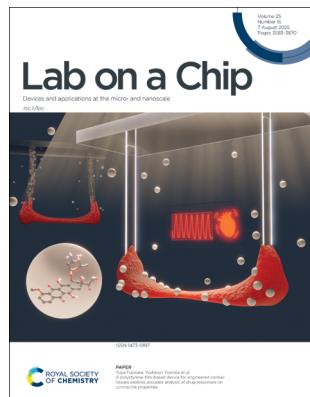
Lab on a Chip

Devices and applications at the micro- and nanoscale
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IN THIS ISSUE

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Cover

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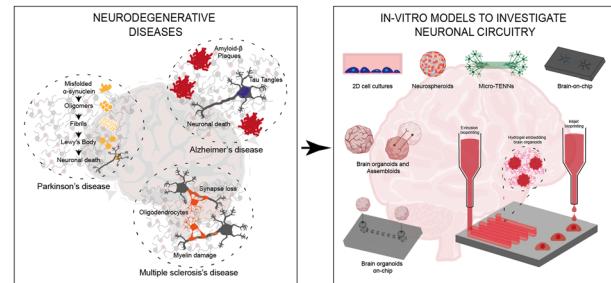
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PERSPECTIVE

3592

Exploring neuronal circuitry in neurodegenerative diseases: from traditional models to cutting-edge techniques

Chiara Ausilio, Annachiara Scalzone
and Paolo Antonio Netti*

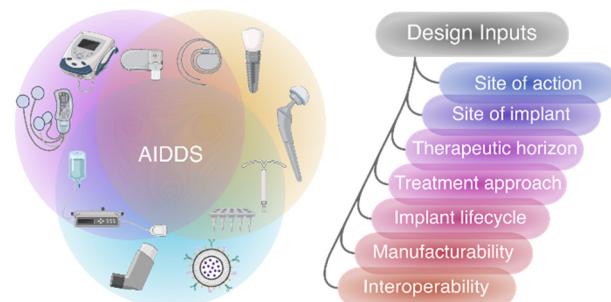


TUTORIAL REVIEW

3608

Active implantable drug delivery systems: engineering factors, challenges, opportunities

Fabiana Del Bono,* Nicola Di Trani, Danilo Demarchi,
Alessandro Grattoni and Paolo Motto Ros



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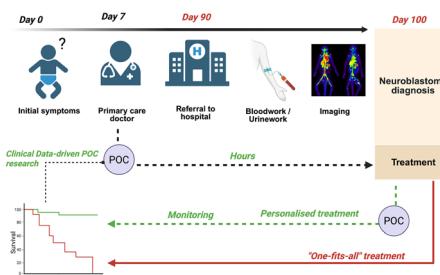
CRITICAL REVIEW

3630

Diagnostic technologies for neuroblastoma

Leena Khelifa, Yubing Hu,* Jennifer Tall, Rasha Khelifa, Amina Ali, Evon Poon, Mohamed Zaki Khelifa, Guowei Yang, Catarina Jones, Rosalia Moreddu, Nan Jiang,* Savas Tasoglu, Louis Chesler and Ali K. Yetisen

Potential of POC devices in neuroblastoma management

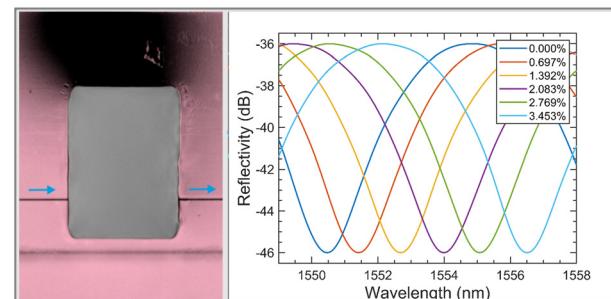


COMMUNICATIONS

3665

Refractive index sensing in a monolithic micro-optofluidic lithium niobate chip

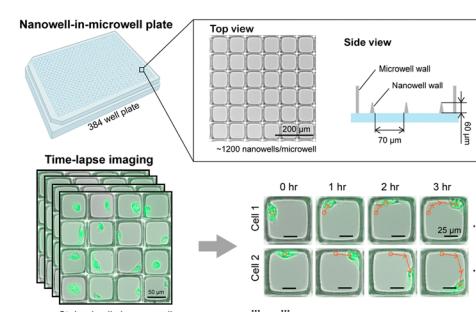
Daniel Nwatu,* Sergiy Suntsov, Detlef Kip and Kore Hasse



3672

High-throughput single cell motility analysis using nanowell-in-microwells

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

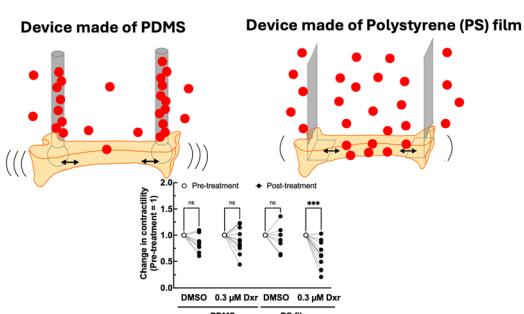


PAPERS

3682

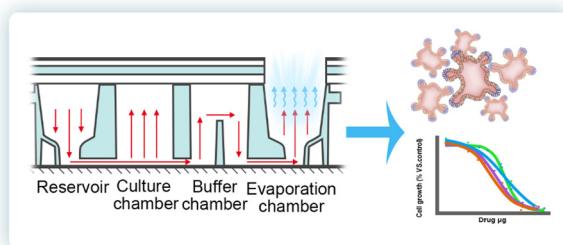
A polystyrene-film-based device for engineered cardiac tissues enables accurate analysis of drug responses on contractile properties

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



PAPERS

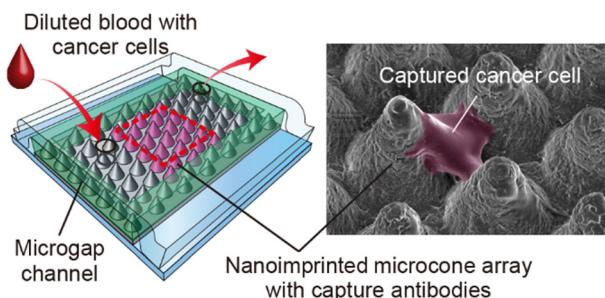
3694



A novel microfluidic self-perfusion chip (MSPC) for pumppless 3D cell, microtissue and organoid culture

Guohua Wu, Di Wu, Wenqi Hu, Qinrui Lu, Yusen Zhou, Jie Liu, Qijun Du, Zhi Luo, Haijie Hu, Hongwei Jiang,* Bangchuan Hu* and Shuqi Wang*

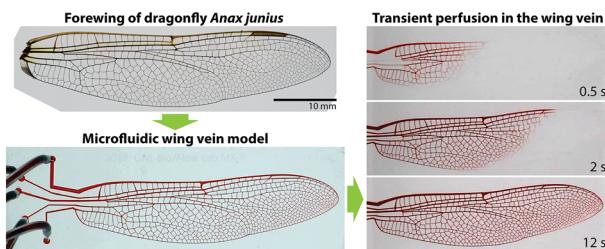
3707



Enhancing cancer cell immunocapture on orientation-controlled nanoimprinted microcone arrays in microgap channels

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

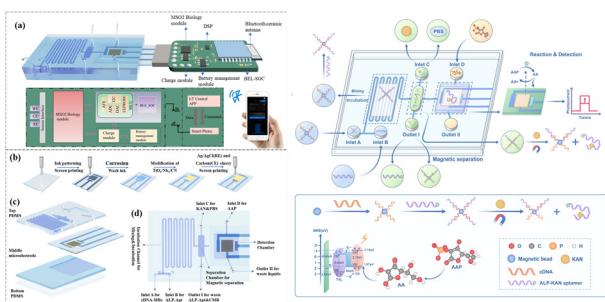
3718



Insect wing circulation: transient perfusion through a microfluidic dragonfly forewing model

Sangjin Ryu,* Haipeng Zhang, Tomer Palmon, Mary K. Salcedo, Günther Pass and John J. Socha

3730



Magnetic-enzymatic synergy driven photoelectrochemical aptasensor on a microfluidic chip for sub-pM kanamycin detection

Yuchen Shen, YunYi Shi and Juan Wang*

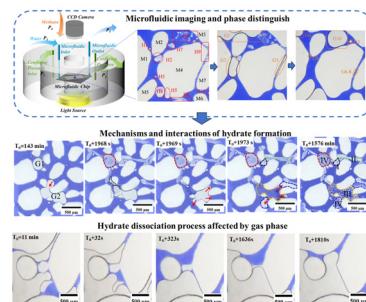


PAPERS

3741

Impact of multiphasic pore-scale interactions on gas hydrate formation and dissociation characteristics and kinetics: a microfluidic study

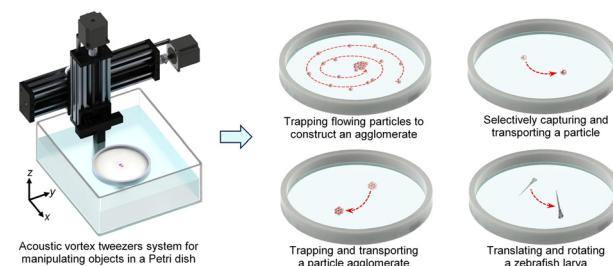
Yuze Wang,* Jianyu Yang, Pengfei Wang, Jinlong Zhu and Yongshun John Chen



3766

In-Petri-dish acoustic vortex tweezers

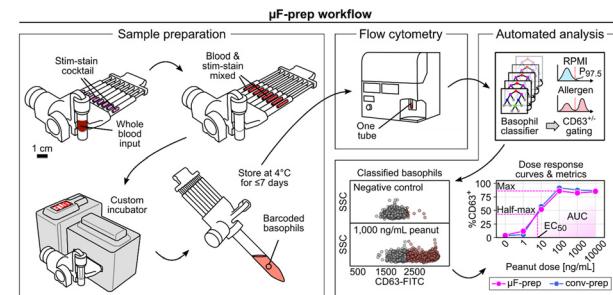
Teng Li, Yingshan Du, Bowen Cai, Michael R. Brooks, Chongpeng Qiu, Zhide Wang, Jiali Li, Luyu Bo, Y. Albert Pan and Zhenhua Tian*



3779

A hand-operated microfluidic sample preparation-to-analysis workflow for simplifying the basophil activation test

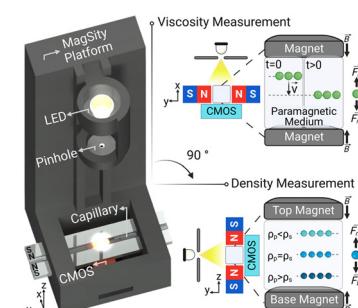
Nicolas Castaño, Kaiser Chua, An Nguyen, Wyeth Marshall, Grady H. Hofmann, Jonathan Lee, Mindy Tsai, Sayantani B. Sindher, Kari C. Nadeau, R. Sharon Chinthrajah, Stephen J. Galli and Sindy K. Y. Tang*



3792

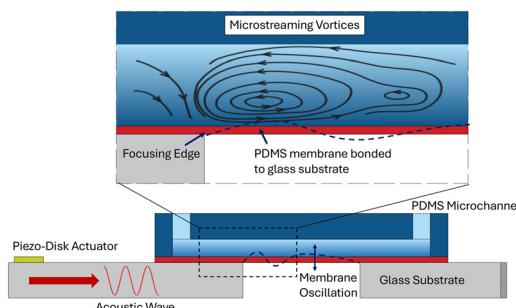
MagSity platform: a hybrid magnetic levitation-based lensless holographic microscope platform for liquid density and viscosity measurements

Öyku Doyran Ince and H. Cumhur Tekin*



PAPERS

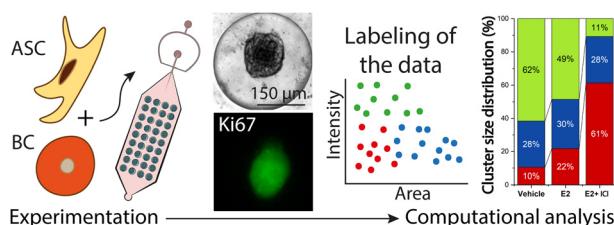
3803



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

Anthony Mercader and Sung Kwon Cho*

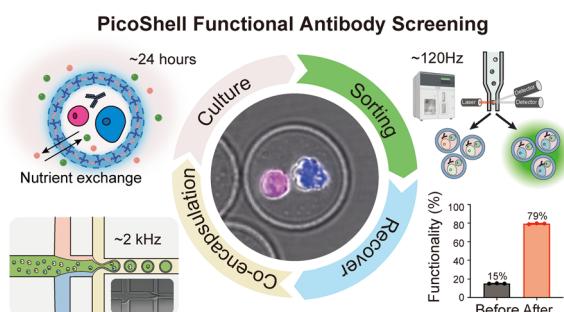
3817



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*

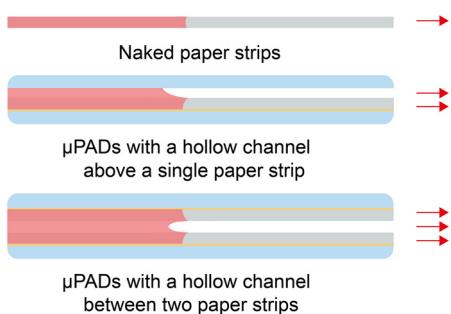
3831



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*

3839



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

Xinyi Chen, Haonan Li, Xionghui Li, Muyang Zhang, Qinghao He, Jie Zhou, Jiahua Zhong, Hao Chen, Yixi Shi, Huilin Chen, Huiru Zhang, Lok Ting Chu and Weijin Guo*

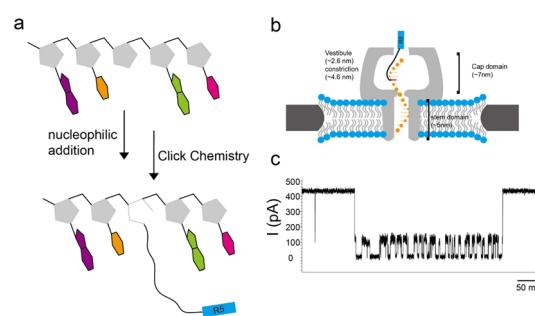


PAPERS

3849

Polyarginine-functionalized AP site probes for mechanistic analysis of uracil-DNA glycosylase *via* nanopore-based single-molecule sensing

Ting Li,* Shaojiao Song, Wei Lu, Xin Zheng, Hui Tian, Yu Cao, Qiuyue Zhao, Hongying Xie, Jie Xin Zheng and Hailong Wang*



3858

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*

