Lab on a Chip

Devices and applications at the micro- and nanoscale

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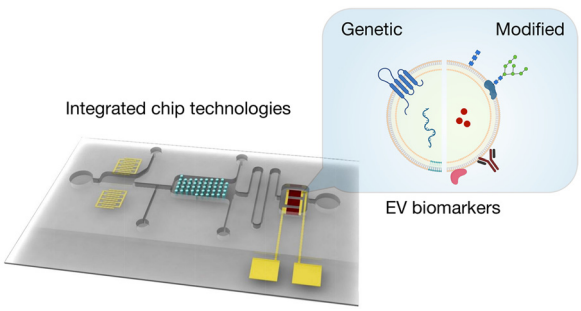
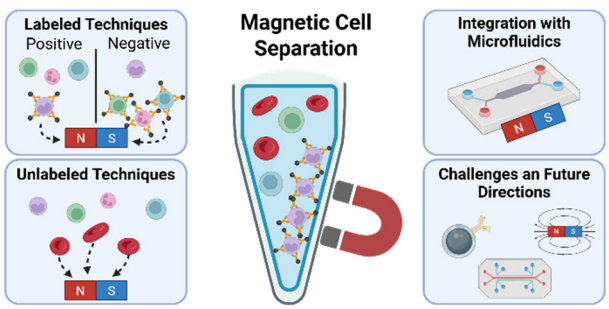
CRITICAL REVIEWS





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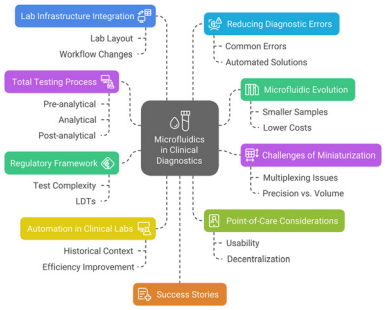

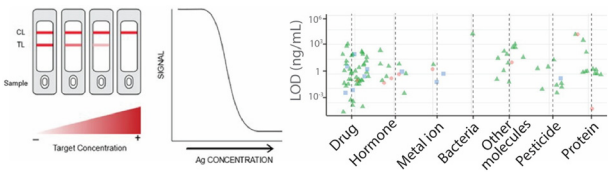

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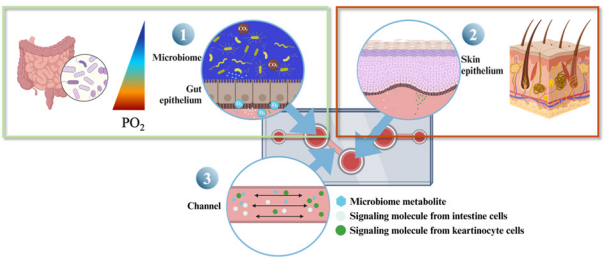

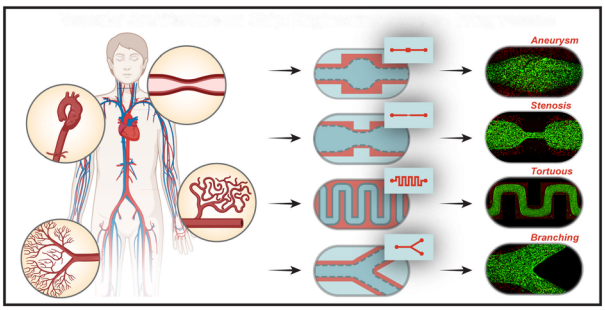

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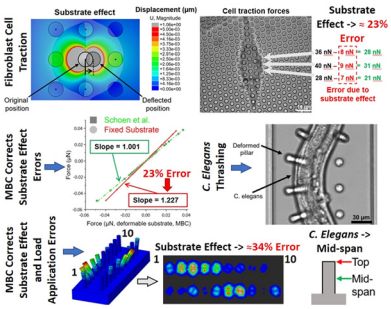

MechanoBioCAD: a generalized semi-automated computational tool for mechanobiological studies

Navajit S. Baban, Christopher J. Stubbs and Yong-Ak Song*

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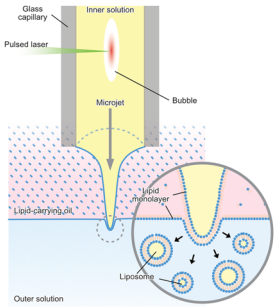

Generation of cell-sized liposomes using laser-induced microjets

Jiajue Ji, Shuma Kawai, Rina Takagi, Keiichiro Koiwai, Ryuji Kawano* and Yoshiyuki Tagawa*

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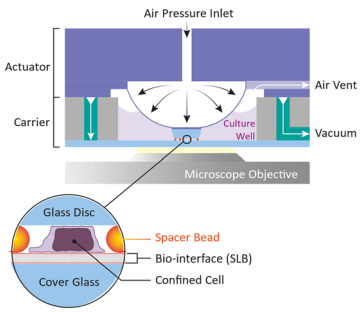

Microdevice for confinement of T-cells on functionalized bio-interfaces

Christoph Trenzinger,* Caroline Kopittke, Barbora Kalousková, Nemanja Šikanić, Marina Bishara, Gerhard J. Schütz and Mario Brameshuber*

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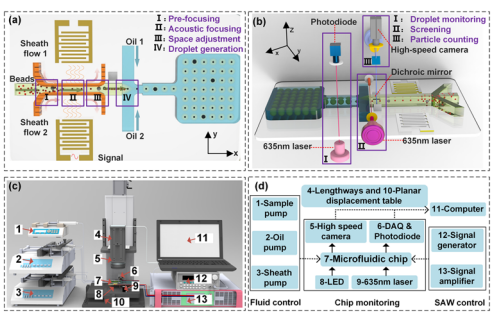

Elevating single-particle encapsulation in droplet microfluidics by utilizing surface acoustic wave and flow control

Chunhua He, Huasheng Zhuo, Canfeng Yang, Jianxin Wang, Xian Jiang, Fan Li, Chengxu Lin, Hai Yang, Tuying Yong, Xiangliang Yang, Zhiyong Liu,* Yan Ma, Lei Nie, Guanglan Liao* and Tielin Shi

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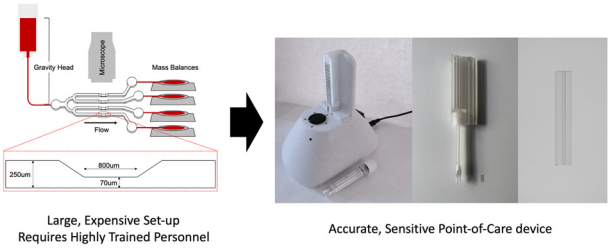
Development of a novel point-of-care device to monitor arterial thrombosis

Christopher A. Bresette,* Viviana Claveria and David N. Ku*



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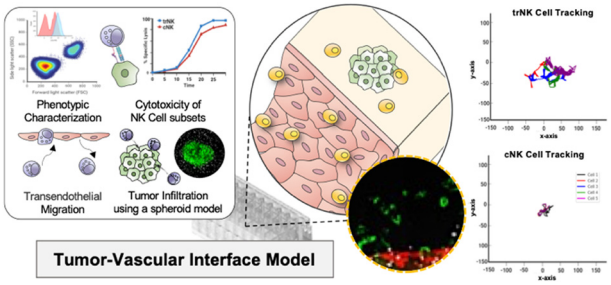
Evaluating migration and cytotoxicity of tissue-resident and conventional NK cells in a 3D microphysiological system using live-cell imaging

Hyeri Choi, June Ho Shin, Hyeonsu Jo, John B. Sunwoo* and Nool Li Jeon*



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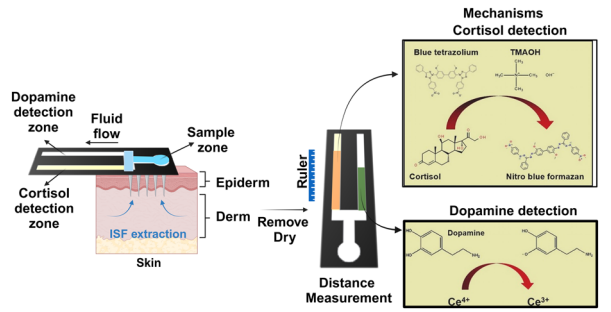
Microneedle-integrated distance-based paper device for simultaneous transdermal detection of cortisol and dopamine

Danilo Martins dos Santos, Kawin Khachornsakkul and Sameer Sonkusale*



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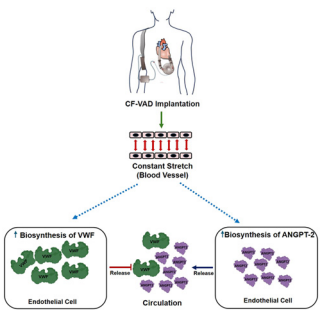
Understanding the role of vascular stretch on modulation of VWF and ANGPT-2 in continuous flow left ventricular assist device (CF-VAD) patients

Jay Prakash Sah, Javier E. Dominguez De Leon, Ian C. Berg, Braden L. Cornelius, Daniel B. Dekle, Esraa Ismail, Xuanhong Cheng, Guruprasad A. Giridharan and Palaniappan Sethu*



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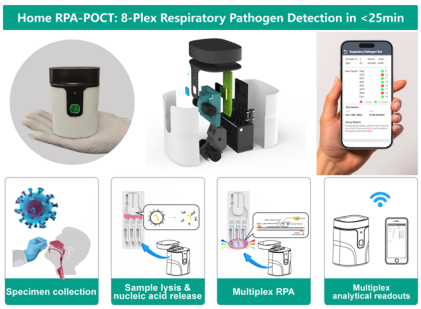

CORRECTION