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# Biomicrofluidics

**Biomicrofluidics** publishes research highlighting fundamental physiochemical mechanisms associated with microfluidic and nanofluidic phenomena as well as novel microfluidic and nanofluidic techniques for diagnostic, medical, biological, pharmaceutical, environmental, and chemical applications.

#### **Recent Reviews and Perspectives**

#### Engineered fluidic systems to understand lymphatic cancer metastasis

Joshua D. Greenlee and Michael R. King *Biomicrofluidics* **14**, 011502 (2020) **DOI:** 10.1063/1.5133970

#### Applications of extracellular vesicles in tissue regeneration

Zhijie Ma, Yang Wang and Haiyan Li *Biomicrofluidics* **14**, 011501 (2020) **DOI:** 10.1063/1.5127077

#### The mechanical responses of advecting cells in confined flow

S. Connolly, D. Newport and K. McGourty Biomicrofluidics **14**, 031501 (2020) **DOI:** 10.1063/5.0005154

#### Microfluidic single-cell analysis—Toward integration and total on-chip analysis

Cheuk Wang Fung, Shek Nga Chan and Angela Ruohao Wu *Biomicrofluidics* **14**, 021502 (2020) **DOI:** 10.1063/1.5131795

### The promise of single-cell mechanophenotyping for clinical applications

Molly Kozminsky and Lydia L. Sohn *Biomicrofluidics* **14**, 031301 (2020) **DOI:** 10.1063/5.0010800

#### Passive micropumping in microfluidics for point-of-care testing

Linfeng Xu, Anyang Wang, Xiangpeng Li and Kwang W. Oh *Biomicrofluidics* **14**, 031503 (2020) **DOI:** 10.1063/5.0002169

#### Microfluidic systems for hydrodynamic trapping of cells and clusters

Qiyue Luan, Celine Macaraniag, Jian Zhou and Ian Papautsky *Biomicrofluidics* **14**, 031502 (2020) **DOI:** 10.1063/5.0002866

#### Microfluidic opportunities in printed electrolyte-gated transistor biosensors

Kevin D. Dorfman, Demetra Z. Adrahtas, Mathew S. Thomas and C. Daniel Frisbie *Biomicrofluidics* **14**, 011301 (2020) **DOI:** 10.1063/1.5131365

#### Recent advances in microfluidic methods in cancer liquid biopsy

Florina S. Iliescu, Daniel P. Poenar, Fang Yu, Ming Ni, Kiat Hwa Chan, Irina Cima, Hayden K. Taylor, Igor Cima and Ciprian Iliescu *Biomicrofluidics* **13**, 041503 (2019) **DOI:** 10.1063/1.5087690

#### "Learning on a chip:" Microfluidics for formal and informal science education

Darius G. Rackus, Ingmar H. Riedel-Kruse and Nicole Pamme *Biomicrofluidics* **13**, 041501 (2019) **DOI**: 10.1063/1.5096030

