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Biomicrofluidics

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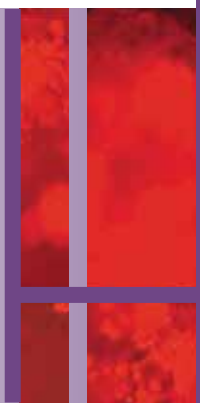
Biomicrofluidics (BMF) is a free-access online journal published by the American Institute of Physics. It provides a novel forum for researchers from diverse fields to rapidly disseminate novel microfluidic techniques with diagnostic, medical, biological, pharmaceutical, environmental, and chemical applications.

BMF publishes high-quality, original research articles, and also organizes special sections that help elucidate and define specific challenges unique to the field. Some recent special sections include:

- Invited Papers from the 2009 Conference on Advances in Microfluidics & Nanofluidics, The Hong Kong University of Science & Technology, Hong Kong, 2009
- Papers from the 82nd American Chemical Society Colloid & Surface Science Symposium, Raleigh, North Carolina, 2008
- Papers from the 2006 Annual Meeting of the American Electrophoresis Society, San Francisco, California, 2006



You'll find a helpful listing of open positions at universities and laboratories worldwide in our Featured Jobs section. Also, browse through our Video Gallery (bmf.aip.org/bmf/interactive_features/video_gallery), where you'll find an engaging collection of videos from BMF articles.

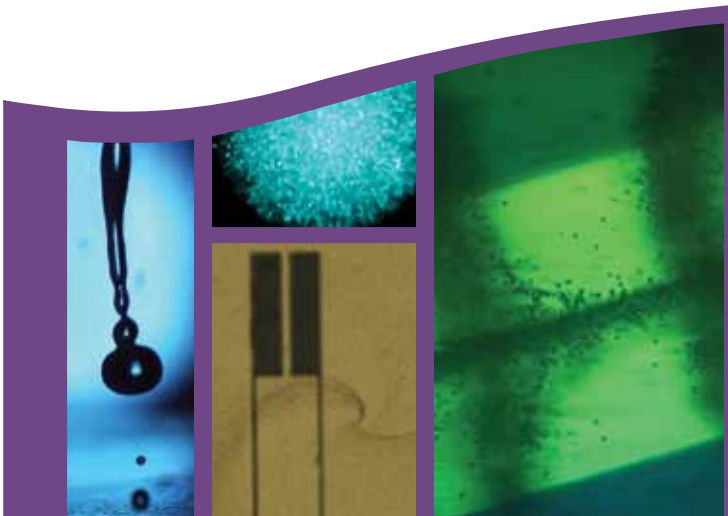
Biomicrofluidics is tracked in Thomson Reuters' Journal Citation Reports/Science Edition, debuting in 2008 as the ninth-ranked journal in Fluid and Plasma Physics, and recording an impressive first Impact Factor of 2.318.

DNA and molecular manipulation

Immuno-colloid control

Separation and sorting devices

Genetic probe control
Microfluidics and nanofluidics
Drop and digitated platforms



Wetting and nano-rheology

Rapid particle analyzers and counters

Electrokinetics and magnetohydrodynamics

New to BMF in 2009!

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Coming to BMF in 2010!

New Fabrication and Methods Section
Biomicrofluidics will soon roll out a new section, "Fabrication and Laboratory Methods," a collection of recipes on novel and classic techniques of laboratory methods and micro- and nanofabrication procedures, presented in a multimedia and pedagogical format.

Top-Flight Editorial Guidance

Biomicrofluidics co-editor Dr. Hsueh-Chia Chang is Bayer Professor of Chemical and Biomolecular Engineering and Director of the Center for Microfluidics and Medical Diagnostics at the University of Notre Dame. Co-editor Dr. Leslie Yeo is an Australian Research Fellow and a Senior Lecturer in the Department of Mechanical & Aerospace Engineering at Monash University, Australia. Drs. Chang and Yeo are ably assisted by a distinguished group of experts who play a crucial role in the peer-review process and in guiding editorial policy.

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