Journal of Laboratory Automation / Call for Papers

Special Issue

Microengineered Cell- and Tissue-Based Assays for Drug Screening and Toxicology Applications

By Guest Editors ‘Dan’ Dongeun Huh, Ph.D., of the University of Pennsylvania and Deok-Ho Kim, Ph.D., of the University of Washington

The Journal of Laboratory Automation (JALA) invites prospective authors to submit proposals for manuscripts on Microengineered Cell- and Tissue-Based Assays for Drug Screening and Toxicology Applications for consideration as original research articles, reviews or technical notes in a JALA Special Issue. This is an excellent opportunity to share your expertise and recent research developments with a wide range of scientific, industrial and clinical communities.

JALA is looking for high-quality, short or full length research papers and/or reviews on novel biological assay systems that synergistically combine microengineering technologies, such as microfabrication and microfluidics with cultured living cells or tissues to enable screening and analysis of drugs, chemicals, toxins, and other stimuli relevant to pharmaceutical and environmental applications. Areas of interest include but are not limited to:

- Single cell-based microsystems for high-throughput screening
- Microengineered three-dimensional cell culture models
- Tissues- and organs-on-chips
- Whole organisms-on-chips
- Body-on-a-chip models and microfabricated cell culture analogs
- Pharmacokinetic-pharmacodynamic modeling in microsystems
- Flow control and alternative materials for microengineered cell culture

Submit Your Proposal before April 20, 2014

► Submit a proposed title or topic and a brief description for your manuscript idea as an MSWord document/attachment to nhallock@slas.org.

► Include “JALA Special Issue on Tissues on Chips” in the subject line of your e-mail.

► Include your name, affiliation and contact information within the text of your e-mail.

Invited authors will be notified by May 1, 2014. Final manuscripts and related materials will need to be completed and submitted by July 1, 2014. All submitted articles will be subject to peer-review to ensure scientific rigor, clarity of expression and integration with other contributions in the JALA Special Issue. Up to 20 papers may be published in this JALA Special Issue. Accepted manuscripts will be published ahead of print at JALA Online (jla.sagepub.com) approximately 30 days after submission of copyright transfer agreement.

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