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New Special Issue of JALA
High-Throughput Imaging Technologies

CHICAGO – “High-Throughput Imaging Technologies” is the theme of the April 2016 special issue of the *Journal of Laboratory Automation (JALA)*. Nine peer-reviewed original research reports from Finland, France, Italy, Hungary, Spain, and the United States present advancements in imaging technology that improve both clinical and research-based imaging needs, particularly focusing on advancements that integrate automation and high-throughput into traditional and emerging imaging applications.

Following the rise of biotechnology, molecular-target based drug screening replaced phenotypic-based drug screening as the preferred approach toward identifying new drugs, particularly after the mapping of the human genome and the development of molecular tools to understand the underlying genomic causes of diseases. Recent advances in quantitative high-throughput imaging, however, have led to a resurgence in phenotypic approaches to drug screening.

Imaging technology has become critical to a wide variety of clinical diagnostic tests. Many advances in imaging technology that allow for automated high-throughput imaging also improve the implementation of complex diagnostic assays in the clinic by lowering the cost per assay and reducing the need for specialized training to perform diagnostic tests. Infectious diseases, such as influenza viral infections, represent a major global health issue that can benefit from advancements in imaging technology. Rapid diagnosis of influenza infections is critical to identifying and treating patients as well as for global surveillance of infection rates.

Visit JALA Online at <http://jla.sagepub.com>. For more information about SLAS and its journals, visit www.slas.org/jala-jbs.

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SLAS (Society for Laboratory Automation and Screening) is an international community of more than 20,000 individual scientists, engineers, researchers, technologists and others from academic, government and commercial laboratories. The SLAS mission is to be the preeminent global organization providing forums for education and information exchange and to encourage the study of, and improve the practice of life sciences discovery and technology. For more information, visit www.SLAS.org.

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*SLAS publishes two internationally recognized, MEDLINE-indexed journals, now in their 21st year of publication. Together, **the Journal of Laboratory Automation (JALA)** and **Journal of Biomolecular Screening (JBS)** address the full spectrum of issues that are mission-critical to this important audience, enabling scientific research teams to gain scientific insights, increase productivity, elevate data quality, reduce lab process cycle times and enable experimentation that otherwise would be impossible.*

*Specifically, **JALA** explores ways in which scientists adapt advancements in technology for scientific exploration and experimentation. In direct relation to this, **JBS** reports how scientists develop and utilize novel technologies and/or approaches to provide and characterize chemical and biological tools to understand and treat human disease.*

Journal of Biomolecular Screening (JBS): 2014 Impact Factor 2.423. Editor-in-Chief Robert M. Campbell, Ph.D., Eli Lilly and Company, Indianapolis, IN (USA).

Journal of Laboratory Automation (JALA): 2014 Impact Factor 1.879. Editor-in-Chief Edward Kai-Hua Chow, Ph.D., National University of Singapore (Singapore).