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Journal of Laboratory Automation
Begins 20th Year of Publication by naming
“The 2015 JALA Ten”

CHICAGO – The *Journal of Laboratory Automation* (JALA), one of two rigorously peer-reviewed MEDLINE-indexed scientific journals published by the Society for Laboratory Automation and Screening (SLAS), marks the beginning of its 20th year of publication by naming The 2015 JALA Ten.

“For the last five years, this JALA editorial feature has highlighted and honored the very best work that each year has to offer across of a wide range of disciplines, including automation, therapeutics, nanotechnology, tissue engineering and bio-inspired or bio-related computing,” says JALA Editor-in-Chief Edward Kai-Hua Chow, PhD, of the National University of Singapore. “Those selected for The JALA Ten have made, and continue to make incredible breakthroughs in their fields that will have far reaching impact in our everyday lives, from how we detect and treat diseases to how we manipulate and observe the world around us.”

The 2015 JALA Ten honorees are:

Spherical Nucleic Acid Nanoparticle Conjugates as an RNAi-Based Therapy for Glioblastoma (*Chad Mirkin and his team at Northwestern University in Evanston, IL*)

Diamond Nanogel-Embedded Contact Lenses Mediate Lysozyme-Dependent Therapeutic Release (*Dean Ho and his team at the University of California, Los Angeles*)

Mapping Photothermally Induced Gene Expression in Living Cells and Tissues by Nanorod-Locked Nucleic Acid Complexes (*Pak Kin Wong and his team from the University of Arizona in Tucson*)

Design of a Single-Chain Polypeptide Tetrahedron Assembled from Coiled-Coil Segments (*Roman Jerala and his team at the National Institute of Chemistry in Ljubljana, Slovenia*)

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Signaling Bias in New Drug Discovery: Detection, Quantification and Therapeutic Impact (*Terry Kenakin and his team at University of North Carolina in Chapel Hill*)

Thermoresponsive Nanofabricated Substratum for the Engineering of Three-Dimensional Tissues with Layer-by-Layer Architectural Control (*Deok-Ho Kim and his team at the University of Washington in Seattle*)

Profiling Deacetylase Activities in Cell Lysates with Peptide Arrays and SAMDI Mass Spectrometry (*Milan Mrksich and his team at Northwestern University in Evanston, IL*)

Single-Cell Western Blotting (*Amy E. Herr and her team at the University of California, Berkeley*)

Clonal Evolution in Breast Cancer Revealed by Single Nucleus Genome Sequencing (*Nicholas E. Navin and his team at The University of Texas M.D. Anderson Cancer Center in Houston*)

A Million Spiking-Neuron Integrated Circuit with a Scalable Communication Network and Interface (*Dharmendra S. Modha and his team at the IBM Research-Almaden in San Jose, CA, and collaborators in the SyNAPSE Systems of Neuromorphic Adaptive Plastic Scalable Electronics program*)

The February 2015 (Volume 20, Issue 1) issue of JALA is available at JALA Online at <http://jla.sagepub.com/content/20/1.toc>. For more information about SLAS and its journals, visit www.slas.org/publications/scientific-journals.

The Society for Laboratory Automation and Screening (SLAS) is an international community of more than 15,000 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 laboratory science and technology. For more information, visit www.SLAS.org.

SLAS publishes two internationally recognized, MEDLINE-indexed journals, now in their 20th year of publication. **The Journal of Laboratory Automation (JALA)** and **Journal of Biomolecular Screening (JBS)** uniquely serve laboratory science and technology professionals who work primarily in life science R&D. Together, JALA and 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.

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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 use adapted technology to pursue new therapeutics for unmet medical needs, including assay development, identification of chemical probes and target identification and validation in general.

Journal of Biomolecular Screening (JBS): 2013 Impact Factor 2.012. Editor-in-Chief Robert M. Campbell, Ph.D., Eli Lilly and Company, Indianapolis, IN (USA).

Journal of Laboratory Automation (JALA): 2013 Impact Factor 1.500. Editor-in-Chief Edward Kai-Hua Chow, Ph.D., University of Singapore (Singapore).

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