

Thermo Fisher Scientific Innovations Designed to Accelerate Research, Productivity and Discovery on Display at SLAS 2017

Synthetic Biology Application Showcased as a Driver for the 21st Century

Dateline:

WASHINGTON

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WASHINGTON--Thermo Fisher Scientific Inc., the world leader in serving science, today announced new technologies that are designed to automate and standardize workflows, helping to boost productivity and efficiency for laboratories working in a range of research environments. The new solutions are on display February 6-8 at the 2017 Society for Laboratory Automation and Screening (SLAS) conference, Booth 701, Walter E. Washington Convention Center, Washington, D.C.

"Laboratories today are under mounting pressure to find ways to increase productivity and standardization within a reliable and cost-effective model," said Hansjoerg Haas, senior director and general manager, laboratory automation at Thermo Fisher Scientific. "Automation has become an effective tool to achieve this objective. We are committed to providing innovative breakthroughs to exceed our customers' laboratory needs with our diverse product portfolios, cutting-edge technologies, superior services and strategic partnerships."

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As a key sponsor of SLAS, Thermo Fisher will be a prominent participant at the event with interactive booth demos, posters, workshops and on-site expertise to discuss trends, news and their vision for the industry. Through a series of presentations, a panel of global leaders on synthetic biology automation will explore how the emerging field is enabling scientists to shape and change the world through biological discovery and innovation.

Thermo Fisher is also sponsoring keynote speakers who will discuss future developments in the industry including Jennifer Lippincott-Schwartz, Section Chief of the Cell Biology and Metabolism Branch, NICHD, NIH and NIH Distinguished Investigator on Monday, February 6 at 9 am, and Rachel Swaby, author of *Headstrong: 52 Women Who Changed Science - and the World* on Wednesday, February 8 at 3:45 pm.

New Products

The new Thermo Scientific SmartStor unit is a controlled-temperature benchtop microplate storage device with a temperature range of 4 to 40°C and a plate capacity of 20 standard microplate or 9-well deep blocks. SmartStor features an internal inventory where, after loading and closing the unit door, the unit scans every location and updates inventory. In addition, the system's internal robot can be integrated with OEM instruments to streamline instrument loading and unloading.

The [Thermo Scientific Orbitor RS2 Microplate Mover](#), which is designed to improve laboratory throughput, and operational flexibility, now has a built-in barcode reader for rapid sample identification and tracking. This additional functionality is designed to allow the Orbitor RS2 Microplate Mover to easily integrate into automated processes, combining rapid plate delivery with a more intuitive workflow and a reduced footprint.

The [Thermo Scientific Momentum 5.0 Workflow Software](#) now features additional inventory controls to enable users to maximize their automated systems use of microplate consumables. The new inventory controls provide users with a robust and powerful way to see their entire system inventory and to direct its use as their scientific needs require. Momentum can now query the inventory of SmartStor and update the systems master inventory, enabling users to be more productive.

For researchers seeking to streamline their sample storage processes with an end-to-end solution for customers' sample storage workflows, Thermo Fisher and Hamilton Storage have partnered to offer the fully automated [Thermo Scientific Decapper 500 and 550 Series tube capping systems](#) which are perfect for use in medium- to high-throughput biotech, pharmaceutical and clinical laboratories doing compound storage, high-throughput screening, biobanking and genomic storage. For the first time, users can cap and decap both Thermo Scientific Matrix and Nunc automation tubes without owning multiple pieces of equipment.

[Thermo Scientific KingFisher Presto](#) is a new sample purification instrument solely designed to integrate into automated workflows for isolation of target nucleic acids and proteins for pharmaceutical, biotech and research projects in high-throughput laboratories. The system reduces purification processing time, and offers high quality and quantity of extracted materials.

The Applied Biosystems Automated Thermal Cycler offers the flexibility, reliability and performance needed in a complete PCR automation system. The design provides easy integration with a robotic platform, a small footprint with flexible control module installation location, and the ability to run as a standalone instrument for PCR optimization prior to integration.

With more than 490 kinase targets, the new [Thermo Scientific Kinase Targets](#) makes finding the right partner for research easier. Profiling results in as little as 48 hours and a dedicated project manager will help ensure excellent service with a quick turn-around.

In conjunction with industry and company experts, Thermo Fisher will also host attendee workshops that highlight the latest developments, innovations and new applications.

Workshop Highlights Include:

- Synthetic Biology Automation: Learn from Cutting-Edge Researchers on How They Have Automated a Diverse Range of Synthetic Biology Workflows Using Thermo Scientific Momentum Automation Solutions – Technical Workshop will be held on Monday, February 6 at 12:30-1:15 pm, Room: 144B. Presented by Huimin Zhao, Ph.D.: U.S.; Ying-Jin Yuan, Ph.D.: China; Hille Tekotte, Ph.D.: Scotland; and Axel Trefzer, Ph.D.: Thermo Fisher Scientific.
- New Fully Automated System for Nucleic Acid and Protein Purification – Technical Workshop will be held on Monday, February 6 at 2-2:45 pm, Room: 144B. Dr. XingWang Fang, Ph.D., principal scientist, Thermo Fisher Scientific, will introduce a new way to automate sample preparation.
- Making Immunoassay Development, Validations and Sample Analysis Fast, Easy and Cost-Effective – Technical Workshop will be held on Tuesday, February 7 at 9:30-10:15 am, Room 143C. Thermo Fisher Scientific expert Adyary Fallarero, Ph.D., will be one of the presenters.

More information on Thermo Fisher products and events at SLAS 2017 can be found at thermofisher.com/slas2017.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. is the world leader in serving science, with revenues of \$18 billion and more than 55,000 employees globally. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics and increase laboratory productivity. Through our premier brands – Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services – we offer an unmatched combination of innovative technologies, purchasing convenience and comprehensive support. For more information, please visit www.thermofisher.com.

Contact:

Thermo Fisher Scientific
Lisa Robillard, +1 781-790-7324
lisa.robillard@thermofisher.com
or
BioStrata
Janice Foley, +1 617-823-5555
jfoley@biostratamarketing.com

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