



May 15, 2018

## **PerkinElmer Signals™ Screening Software Streamlines Data Analysis, Increases Speed and Reliability of Drug Discovery**

*Solution Resolves Common Challenges through Data Visualization and Analysis*

**WHAT:** [PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced its new [PerkinElmer Signals™ Screening](#) solution – an intuitive, configurable and flexible drug screening workflow with TIBCO® Spotfire® data visualization and analysis – at the 2018 [Bio-IT World Conference & Expo](#). Bio-IT World brings together those who drive biomedical research, drug discovery and development, and clinical initiatives to showcase IT and informatics applications that are advancing medicine.

**WHEN:** May 15-17, 2018

**WHERE:** Seaport World Trade Center  
Boston, Massachusetts  
Booth #340

**WHY:** For years, screening data processing tools have been locked into a “closed-box” approach, which is especially challenging with emergent high-content screening technologies, as researchers and scientists were required to use bespoke tools tethered to specific screening instruments. Researchers are often further challenged by insufficient numbers of small molecule and biological clinical candidates that meet the required criteria for progression; time-consuming and error-prone identification of optimal biological molecules; and difficulty identifying suitable biological targets.

“The technologies available today for screening compounds and studying cell images create tremendous volumes and variety of data,” said David Wang, General Manager, Informatics, PerkinElmer. “PerkinElmer Signals Screening provides a new way of handling big data to help researchers streamline the lengthy, complex and costly process of drug discovery. Our solution enables faster analysis by producing reliable, consistent results across the multitude of tests required to advance drug discovery.”

## **HOW IT**

**WORKS:** PerkinElmer Signals Screening software is an instrument-independent image and data analysis, management and aggregation platform that offers “out-of-the-box” support for a complete screening workflow. Built on application program interfaces (APIs) and customizable workflows, the toolset gives R&D organizations the ability to conduct data analysis, review and reporting, as well as compare data from different assay types and multiple platforms—all from a central location.

PerkinElmer Signals Screening workflow quickly handles most instrument outputs from their labs and conducts advanced data analysis in minutes, powered by TIBCO Spotfire analytics. PerkinElmer Signals Screening processes data at the key stages of assay development, protocol execution and automation, and offers integration with public or private data repositories and electronic lab notebooks.

## **KEY**

### **FEATURES:**

The PerkinElmer Signals Screening solution can import raw or processed data from most of the widely performed assay platforms—plate reader, high content reader, surface plasmon resonance and more. The innovative apps concept allows scientists to create a screening workflow—from data import and analysis to reporting—for assay development and execution without the reliance on software developers.

By building on the TIBCO Spotfire platform, the PerkinElmer Signals Screening solution offers unparalleled capability to analyze and visualize high-content/high-throughput assays that aligns with the life sciences research moving towards multiplexing and big data screens.

**MORE:** Join the conversation about Bio-IT World Conference & Expo 2018 by following us on Twitter [@PerkinElmer](https://twitter.com/PerkinElmer).

For additional information on the PerkinElmer Signals Screening solution, please visit [www.perkinelmer.com/product/signals-screening-signals](http://www.perkinelmer.com/product/signals-screening-signals).

## **ABOUT**

### **PERKINELMER:**

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of about 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics and discovery and analytical solutions markets. Our innovative detection, imaging, informatics, and service capabilities, combined with deep market knowledge and expertise, help customers gain earlier and more accurate insights to improve lives and the world around us. The Company reported revenue of approximately \$2.3 billion

in 2017, serves customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at [www.perkinelmer.com](http://www.perkinelmer.com).

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