



January 16, 2018

## PerkinElmer to Sponsor 2018 Data Science Bowl

*Fourth Annual Competition Brings Together Data Scientists and Medical Community to Leverage Artificial Intelligence for Accelerating Disease Research*

**WHAT:** [PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced that it will serve as a sponsor of the 2018 [Data Science Bowl](#) presented by Booz Allen Hamilton and Kaggle.

This 90-day competition calls upon thousands of participants globally to train deep learning models to examine images of cells and identify nuclei, regardless of the experimental setup, and without human intervention. Creators of the top algorithms will split \$170,000 in cash and prizes.

**WHY:** To find new drugs faster, scientists use increasingly complex biological models and image based screening of cells has become a method of choice. Nuclei detection is often an important first step in quantitative analysis; however, current options for nuclei detection frequently require time-consuming biologist intervention. New deep learning models hold the promise to robustly identify nuclei across multiple experimental setups and testing conditions, while freeing up biologists that often have neither the technical expertise nor the time needed to train their own deep learning models.

“This competition convenes some of the world’s brightest minds to harness data science to confront deadly diseases, with the potential to transform biomedical research,” said Ray Hensberger, a Booz Allen Hamilton principal. “We believe that pairing artificial intelligence and the collective ingenuity of the global data science community will yield powerful tools that can help accelerate the search for medical cures.”

“PerkinElmer is a leading provider of high content screening systems, providing imaging and analysis solutions that help scientists gain valuable insights into complex biological questions,” said Karen Madden, Ph.D, vice president, Technology & Innovation, PerkinElmer. “Removing bias and increasing speed in biomedical research can result in more reproducible, quantitative results and ultimately in more effective disease treatments.

Sponsoring this competition aligns well with our commitment to providing innovative offerings that enable scientists to make new discoveries faster. “

**HOW IT WORKS:**

The Broad Institute, a non-profit research collaboration of the Massachusetts Institute of Technology (MIT), Harvard University, and Harvard’s affiliated hospitals, will provide Data Science Bowl participants with data from thousands of nuclei from a wide variety of imaging experiments. Using this data, participants will create algorithms that can identify nuclei in any cell image, thereby expediting the detection process and allowing biologists to conserve time for other efforts.

**MORE:**

Data Science Bowls in years past have tackled ocean health, heart disease and lung cancer, in which competitors trained algorithms to, among other things, measure key indicators of heart disease in seconds.

**REGISTRATION:**

To participate in the Data Science Bowl, please register and download the data set by visiting [Kaggle.com](https://www.kaggle.com). To learn more about the competition, including more information about past Data Science Bowls, please visit [DataScienceBowl.com](https://www.datasciencebowl.com).

**ABOUT**

**PERKINELMER:**

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of more than 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics, 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 \$2.1 billion in 2016, 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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