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The sbv IMPROVER Epigenomics Challenge, designed to identify and test novel techniques in computational biology, was showcased in a multi-disciplinary symposium in Tel Aviv, Israel.

“The sbv IMPROVER project is addressing some of the most fundamental questions about the relationship between genetics, epigenetics, and biomedicine,” said Professor Tamir Tuller, Head of the Laboratory of Computational Systems and Synthetic Biology, Tel Aviv University, and one of the symposium keynote speakers. “As computational techniques become ever more sophisticated, the sbv IMPROVER challenges allow us to identify and assess the best tools for any given biological objective. Not only does this science give us a better understanding of the way our genome has evolved, it has direct applications for human health and biotechnology, including improved diagnostics, drug-discovery. and the development of new therapies.”

The Epigenomics Challenge asked participants to classify samples based on the epigenomic impact in a rodent model of cigarette smoke, smoking cessation, and the aerosol from a Reduced-Risk Product (“RRP” refers to products that are present, are likely to present, or have the potential to present less risk of harm to smokers who switch to these products versus continued smoking).

For more information about sbv IMPROVER visit <http://www.sbvimprover.com>.

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