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Headline: Illumina, Dell EMC, QIAGEN, and More: News from November 2016

Byline: n/a

Article online at: <http://www.bio-itworld.com/2016/11/30/illumina-dell-emc-qiagen-and-more-news-from-november-2016.aspx>

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A diverse group of scientists have come together at the first **sbv IMPROVER Datathon** in order to share a large dataset among a diverse group of scientists, encourage them to expand computational analytics strategies, create customizable analytical tools, and demonstrate reproducibility in a complex, multi-endpoint toxicological study, and explore new ways of collaborating across disciplines and approaching large datasets.

The Datathon was a working session in which participants collaborated to turn datasets into scientific insight. Data was provided to teams who then developed research questions and preliminary findings. In advance of the event, the sbv IMPROVER team prepared protocols to explore the dataset, which enabled participants to access the data as well as to understand and design novel workflows which connect the data to analytics. Custom analytics modules (called “gadgets”) for data exploration, visualization and comparison, were built for the Datathon, enabled by an open connectivity platform technology called Garuda. This community-built open platform provides a unique framework to dynamically connect data with publicly available tools or participant developed algorithms.

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