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GenoLogics Solution Provides Powerful Capability to help Proteomics Researchers in Biomarker Discovery and Data Analysis

Victoria, B.C. Canada – GenoLogics Life Sciences Software Inc. (GenoLogics), a leading developer of solutions that help research and pharmaceutical laboratories manage, integrate and analyze enormous volumes of scientific data, announced today added functionality to its *ProteusLIMS*[™] solution, making it the most powerful system available on the market to speed biomarker discovery and validation in proteomics and systems biology.

The GenoLogics open systems platform and approach to open standards makes *ProteusLIMS* unique in the industry. Labs are not tied into proprietary software for their equipment and analysis tools. With *ProteusLIMS*, labs can leverage their IT infrastructure and provide uniform access to data while managing the entire proteomics workflow. Researchers can define how they want their data, it is tied together contextually and it can be viewed and analyzed in multiple ways, no matter where it is stored. *ProteusLIMS* provides a powerful integrated platform for proteomics research.

The GenoLogics solution offers maximum choice to labs – its open systems platform ensures compatibility with any instrument, software analytic tool and process, offering labs the greatest flexibility and use of their existing lab assets for fully integrated proteomics workflows. For protein searches, GenoLogics now integrates with Mascot, Sequest, Peaks, X! Tandem and Spectra Mill, providing superior capability for protein identification and biomarker validation as results can be compared or cross referenced from multiple analyses for a more powerful interpretation. *ProteusLIMS* integrates to a broad range of robots and virtually any gel analysis software, including Progenesis and now also DeCyder, enabling researchers to view results from any computer. *ProteusLIMS* is also easily integrated to any major vendor's instrument including those from Thermo Electron and Applied Biosystems so that no matter how many different types of equipment are in the lab, the data is completely captured in *ProteusLIMS* and can be used for data mining and analysis for better traceability, more accuracy and to speed results.

GenoLogics strong commitment to open standards and open source tools ensures proteomics projects involving researchers with diverse lab experiments or working across different facilities and institutes can consistently and transparently analyze and interpret proteomics and other data across 'omics' disciplines. Already on the forefront of supporting open standards development, GenoLogics is actively working with organizations such as the Institute for Systems Biology, HUPO – Proteome Standards Initiative, FuGE developers and others to collaborate on accelerating the adoption of data standards.

The open architecture embraced by all GenoLogics solutions ensures that *ProteusLIMS* is compatible with any operating system (including Windows, Linux, Solaris, Unix) or database system (Oracle, PostgreSQL, MySQL, DB2, or any JDBC compliant database) used by the lab. This gives labs the power to extend the system to easily integrate their own proprietary tools or any open source tools they want to enhance data handling, data sharing and database connectivity.

Cory Bystrom, director Proteomics Shared Resource, Oregon Health Sciences University notes, "We needed a way to aggregate all of the data from a proteomics experiment so that we could deliver researchers a complete view. From sample intake and preparation, to data collection and processing, we wanted a way to capture what goes on in our lab. *ProteusLIMS* has become our electronic lab book and workflow platform. This is a key feature for our clients; they can easily see how experimental data and their



About GenoLogics

GenoLogics develops bioinformatics solutions that help life science and pharmaceutical laboratories, specializing in the field of proteomics and systems biology research, to manage, integrate and analyze enormous volumes of scientific and lab data to advance health science research and drug discovery. More than a workflow solution, *ProteusLIMS*[™] is a comprehensive and integrated lab, instrument, and scientific data management system that transform the data management process into a sophisticated analytical system to aid research and scientific discovery. The Company is headquartered in Victoria, B.C., Canada. For more information, please visit www.genologics.com.

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