



LifeMap Sciences and Genomenon Partner to Integrate Mastermind Genomic Search Engine into GeneCards Suite and TGex

Integrations will Improve Genetic Disease Diagnosis and Coverage of Meaningful Literature

ALAMEDA, CA and ANN ARBOR, MI; April 2, 2019 -- [LifeMap Sciences](#), the leading integrated biomedical knowledgebase company and a leading provider of tertiary NGS analysis and interpretation solutions for genetic disorders, and [Genomenon](#), the leading genomic search company, announced today that they have entered into a partnership to improve LifeMap's GeneCards knowledgebase and provide accelerated interpretation of genetic disorders by integrating the [Mastermind Genomic Search Engine](#).

LifeMap's GeneCards Knowledgebase Suite, which includes [GeneCards](#), the Human Gene Database, offers detailed, comprehensive and user-friendly information on all annotated and predicted human genes. Together with other biomedical databases offered by LifeMap Sciences, it caters to more than 4 million researchers world-wide and is used by more than 3,000 commercial and research institutions, including top biotech pharma. GeneCards is developed at the Weizmann Institute of Science in Israel. The integration with Mastermind will enable researchers on the platform to better identify literature associated with genes, diseases and variants.

LifeMap's TGex is a powerful platform for the management of clinical genomics workflows. It is the solution of choice for pediatric and maternal hospitals around the world, including Bambino Gesù, the largest pediatric research center in Italy, and top tier pediatric hospitals in China and Hong Kong. TGex is also used by mainstream sequencing companies such as Novogene Tianjin Medical Laboratory in China. The addition of Mastermind to TGex will enable customers to better evaluate the clinical importance of variants and to assess relevant literature for validation and diagnosis directly from TGex's user interface.

"We are continuously seeking partnerships that will strengthen the power of our knowledgebases and provide better value to our research and clinical user base. Mastermind's comprehensive coverage of literature will add an important layer of information to the GeneCards Suite", said Yaron Guan Golan, CEO of LifeMap Sciences, "In addition, we believe

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that Mastermind’s powerful literature search capabilities could significantly improve our clinical customers’ diagnosis yields, which is what we continuously strive for.”

“This partnership puts the insight from millions of genomic research publications into the hands of TGex users to accelerate patient diagnosis and ensure that nothing has been missed in making patient treatment decisions.” said Mike Klein, CEO of Genomenon. “Together with LifeMap Sciences, we’re also expanding the insight for researchers by linking genomic search results directly into the GeneCards platform, making it easier to find any publication covering the disease, gene and variants of interest.”

Genomenon will be demonstrating the integration at the ACMG Annual Clinical Genomics Meeting conference taking place in Seattle, Washington April 2-6, 2019.

About LifeMap Sciences

LifeMap Sciences is a life sciences technology company that offers integrated, streamlined solutions empowering life scientists worldwide in conducting cutting-edge basic, clinical and applied biomedical research. LifeMap’s products are used in more than 3,000 institutions including academia, research hospitals, patent offices, and leading biopharma and diagnostic companies. Operations worldwide are carried out from our offices in California, Massachusetts, New Jersey, Tel Aviv, and Hong Kong.

For more information, please visit <https://www.lifemapsc.com>.

About Genomenon

Genomenon powers evidence-based genomics for faster; more comprehensive diagnosis and treatment decisions. Their flagship product, the [Mastermind Genomic Search Engine](#) provides immediate insight into the published genomic research for every disease, gene, and variant found in the literature.

Used by hundreds of diagnostic labs around the world, Mastermind accelerates genomic interpretation by providing unique insight into genomic relationships found in the full text of millions of scientific articles.

Pharmaceutical researchers license the Mastermind database for a comprehensive genomic landscape associated with any given disease – to identify and prioritize genomic biomarkers for drug discovery and clinical trial targets.

For more information, visit www.genomenon.com.

About the Weizmann Institute of Science and GeneCards

The Weizmann Institute of Science in Rehovot, Israel, is one of the world’s top-ranking multidisciplinary research institutions. Noted for its wide-ranging exploration of the natural and exact sciences, the Institute is home to scientists, postdoctoral fellows, Ph.D. and M.Sc. students, and scientific, technical and administrative staff. In addition, visiting scientists and their families – over 500 from 35 countries are regularly hosted at the Institute. Particular excellence

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in bioinformatics and systems biology is manifested, among others, in the GeneCards project, initiated in 1996, under the leadership of Prof. Doron Lancet of the Dept. of Molecular Genetics, until recently Head of the Crown Human Genome Center. The team, led by Marilyn Safran, continuously innovates to maintain GeneCards as the leading integrated human gene compendium. GeneCards® is a registered trademark of Yeda Research and Development Co. Ltd.

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