Tempus Announces a Collaboration With Genialis to Develop RNA-Based Biomarker Algorithms

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CHICAGO--(BUSINESS WIRE)--Jan. 8, 2025-- Tempus AI, Inc. (NASDAQ: TEM), a technology company leading the adoption of AI to advance precision medicine and patient care, today announced a collaboration with Genialis, the RNA-biomarker company. The multi-year agreement allows Genialis to leverage Tempus' multimodal dataset to develop new RNA-based algorithms across cancer types.

Clinical care for cancer patients is hindered by insufficient biomarkers that fail to accurately predict patient response to treatment. To address this, Genialis has developed an AI foundation model using data from ~1 million RNA-sequencing samples representing globally diverse patients. This large molecular model (LMM), dubbed the Genialis TM Supermodel, yields accurate and information-rich biomarker algorithms to help biopharma improve therapeutic development. Validating Genialis' LMM using Tempus real-world multi-modal data is essential to demonstrate the clinical utility and broad applicability of these biomarkers in drug development and clinical practice. As part of the collaboration, Genialis can now leverage Tempus' analytics platform, Lens, which provides a development platform accessing de-identified multimodal patient records and a suite of tools to validate signatures to accelerate the company's efforts to bring its clinical algorithms to market. In return, Tempus gains the right to evaluate and potentially license Genialis-developed algorithms for commercialization as a component of the xR platform.

Tempus multimodal dataset has already proved pivotal in the launch of Genialis™krasID, the first commercially available algorithm that stratifies patients who benefit from KRAS inhibition. Presented at the 6th Annual Targeting-RAS Drug Development Summit in September 2024, Genialis krasID uniquely predicts patient response to KRAS-targeted therapies across cancer types and driver mutations. Independently validated using Tempus' real-world data, Genialis krasID stratifies patients into high and low likelihood response groups that have been evaluated in real-world studies[1,2].

"We look forward to working with Genialis and demonstrating new ways in which our data can be applied to further a new kind of research, one that embraces the power that RNA-based biomarkers can have on the future of cancer care," said Kate Sasser, Ph.D., Chief Scientific Officer at Tempus. "Multimodal algorithms, including RNA signatures, are demonstrating rapid advancement in clinical utility for personalized treatment decisions, and we are excited to partner with Genialis to fuel this data-driven precision medicine future with our xR assay and vast multimodal dataset."

"Biomarkers have the potential to transform how cancer is diagnosed and treated, but today's standard of care leaves a lot to be desired in terms of accuracy, information richness, and patient reach," said Rafael Rosengarten, Ph.D., CEO of Genialis. "With this strategic agreement with Tempus, Genialis will have access to an unparalleled data resource to validate our cutting-edge patient classifiers."

About Tempus

Tempus is a technology company advancing precision medicine through the practical application of artificial intelligence in healthcare. With one of the world's largest libraries of multimodal data, and an operating system to make that data accessible and useful, Tempus provides AI-enabled precision medicine solutions to physicians to deliver personalized patient care and in parallel facilitates discovery, development and delivery of optimal therapeutics. The goal is for each patient to benefit from the treatment of others who came before by providing physicians with tools that learn as the company gathers more data. For more information, visit tempus.com.

Forward Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended, about Tempus and Tempus' industry that involve substantial risks and uncertainties. All statements other than statements of historical facts contained in this press release are forward-looking statements, including, but not limited to, statements regarding the expected outcomes and benefits of the collaboration with Genialis in developing biomarker algorithms, are forward-looking statements. In some cases, you can identify forward-looking statements because they contain words such as "anticipate," "believe," "contemplate," "continue," "could," "estimate," "expect," "going to," "intend," "may," "plan," "potential," "predict," "project," "should," "target," "will," or "would" or the negative of these words or other similar terms or expressions. Tempus cautions you that the foregoing may not include all of the forward-looking statements made in this press release.

You should not rely on forward-looking statements as predictions of future events. Tempus has based the forward-looking statements contained in this press release primarily on its current expectations and projections about future events and trends that it believes may affect Tempus' business, financial condition, results of operations and prospects. These forward-looking statements are subject to risks and uncertainties related to: Tempus' financial performance; the ability to attract and retain customers and partners; managing Tempus' growth and future expenses; competition and new market entrants; compliance with new laws, regulations and executive actions, including any evolving regulations in the artificial intelligence space; the ability to maintain, protect and enhance Tempus' intellectual property; the ability to attract and retain qualified team members and key personnel; the ability to repay or refinance outstanding debt, or to access additional financing; future acquisitions, divestitures or investments; the potential adverse impact of climate change, natural disasters, health epidemics, macroeconomic conditions, and war or other armed conflict, as well as risks, uncertainties, and other factors described in the section titled "Risk Factors" in Tempus' Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 filed with the Securities and Exchange Commission ("SEC") as well as in other filings Tempus may make with the SEC in the future. In addition, any forward-looking statements contained in this press release are based on assumptions that Tempus believes to be reasonable as of this date. Tempus undertakes no obligation to update any forward-looking statements to reflect events or circumstances after the date of this press release or to reflect new information or the occurrence of unanticipated events, except as required by law.

About Genialis

Genialis, the RNA biomarker company, is creating a world where healthcare delivers the best possible outcomes for patients, their families, and their communities. Genialis develops and validates clinically actionable biomarkers informed by the world's most ethnographically diverse cancer data sets to better predict patient responses and guide treatment decisions for targeted inhibitors, immunotherapies, and other emerging therapeutic classes. Genialis is trusted by pharma and diagnostics partners, and together, we are transforming medicine through data. For more information, please visit www.genialis.com

[1]berna, et al. (2024). *Genialis™ krasID: Biology-Driven Machine Learning to Personalize KRAS Inhibitor Therapy*Presented at the American Association for Cancer Research (AACR) Annual Meeting. Retrieved from https://www.genialis.com/2024/04/09/genialis-krasid-biology-driven-machine-learning-to-personalize-kras-inhibitor-therapy/

[2]berna, et al. (2024). *krasID at RAS Drug Development Summit*. Poster presented at the RAS Drug Development Summit, American Association for Cancer Research (AACR). Retrieved from https://www.genialis.com/2024/09/25/genialis-krasid-biology-driven-machine-learning-to-personalize-kras-inhibitor-therapy-2/

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Erin Carron
media@tempus.com

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