



## Caris Life Sciences Publishes Study Validating Caris AI Insights for Temozolomide Benefit in Glioblastoma Patients

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*Caris AI Insights are proprietary and only available to Caris Life Sciences customers*

IRVING, Texas, April 29, 2026 /PRNewswire/ -- [Caris Life Sciences](#)® (NASDAQ: CAI), a leading, patient-centric, next-generation AI TechBio company and precision medicine pioneer, announced the development and peer-reviewed validation of a new predictive signature to inform therapy selection in glioblastoma (GBM) patients. The study, published in *Neuro-Oncology Advances*, describes the development and evaluation of the model in a cohort of more than 5,800 GBM patients. The Caris AI Insights in Glioblastoma is featured on the Caris Molecular Tumor Board Report, an innovative profiling report that provides additional insight into tumor biology and is available upon request with no additional tissue required when ordering MI Cancer Seek®.

Caris Life Sciences continues to advance precision oncology by integrating multimodal real-world datasets, available with its proprietary CodeAI™ platform, enabling the creation of Caris AI Insights, an engine that utilizes Whole Exome Sequencing (WES), Whole Transcriptome Sequencing (WTS), and clinical data to generate deeper biological understanding and more actionable insights for clinicians and researchers.

GBM is the most common and aggressive brain cancer, with patients typically surviving around 12 months despite treatment. Current treatments include surgery to remove the tumor, radiation and chemotherapy with temozolomide (TMZ). Unfortunately, nearly half of GBM patients do not respond to TMZ and many develop resistance that leads to recurrence. Determining whether TMZ will benefit the patient is a critical step in treatment and provides insight for developing new therapies for patients who do not respond favorably.

The novel signature, developed by Caris using multimodal molecular and clinical data, is an AI-derived model designed to infer O6-methylguanine-DNA methyltransferase (MGMT) promoter methylation status from NGS data. MGMT promoter methylation is an established biomarker associated with response to TMZ therapy in GBM patients that is commonly assessed using pyrosequencing. In the peer-reviewed validation study, the signature demonstrated high concordance with pyrosequencing-based MGMT assessment and improved discrimination of overall survival outcomes across MGMT-defined patient subgroups, while also addressing variability in MGMT classification associated with traditional testing methods. These findings show that Caris' proprietary AI signature can complement existing testing approaches and provide additional clinical insight for isocitrate dehydrogenase (IDH)-wild type GBM patients treated with TMZ.

"The Caris AI Insights signature for GBM showcases Caris' advanced AI capabilities in our pursuit of improving cancer patient outcomes," said Caris President [David Spetzler, MS, PhD, MBA](#). "With peer-reviewed validation demonstrating strong concordance with traditional testing approaches and clearer prognostic stratification, we believe that this signature can complement existing testing methods to improve clinical insight for glioblastoma patients treated with TMZ."

The model was trained to predict MGMT promoter methylation status, as measured by a pyrosequencing assay, using tumor profiling data from the MI Cancer Seek NGS assay, which also has FDA-approved CDx indications. As reported in the study, the signature was developed using a clinico-genomic dataset of 5,841 patients and further evaluated in a prospective cohort of more than 3,400 cases. The model stratified patients into distinct survival groups based on the signature score, with higher scores associated with significantly longer overall survival in TMZ-treated patients.

### **About Caris Life Sciences**

Caris Life Sciences® (Caris) is a leading, patient-centric, next-generation AI TechBio company and precision medicine pioneer that is actively developing and commercializing innovative solutions to transform healthcare. Through comprehensive molecular profiling (Whole Exome and Whole Transcriptome Sequencing) and the application of advanced AI and machine learning algorithms at scale, Caris has created the large-scale, multimodal clinico-genomic database and computing capability needed to analyze and further unravel the molecular complexity of disease. This convergence of next-generation sequencing, AI and machine learning technologies, and high-performance computing provides a differentiated platform to develop the latest generation of advanced precision medicine diagnostic solutions for early detection, diagnosis, monitoring, therapy selection and drug development.

Caris was founded with a vision to realize the potential of precision medicine in order to improve the human condition.

Headquartered in Irving, Texas, Caris has offices in Phoenix, New York, Cambridge (MA), Tokyo, Japan and Basel, Switzerland. Caris or its distributor partners provide services in the U.S. and other international markets.

### **Forward Looking Statements**

This press release contains forward-looking statements within the meaning of the federal securities laws. All statements other than statements of historical facts contained in this press release are forward-looking statements, including statements regarding our business, solutions, plans, objectives, goals, industry trends, financial outlook and guidance. In some cases forward-looking statements can be identified by words such as "may," "will," "should," "would," "expect," "plan," "anticipate," "could," "intend," "target," "project," "contemplate," "believe," "estimate," "predict," "potential" or "continue" or similar expressions.

You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in these forward-looking statements are reasonable based on information currently available to us, we cannot guarantee that the future results, discoveries, levels of activity, performance or events and circumstances reflected in forward-looking statements will be achieved or occur. Forward-looking statements involve known and unknown risks and uncertainties, some of which are beyond our control. Risks and uncertainties that could cause our actual results to differ materially from those indicated or implied by the forward-looking statements in this press release include, among other things: developments in the precision medicine industry; our future financial performance, results of operations or other operational results or metrics; development, analytical and clinical validation, timing and performance of future solutions by us and our competitors; commercial market acceptance for our solutions, including acceptance of preventive as well as diagnostic testing paradigms, and our ability to meet resulting demand; the rapidly evolving competitive environment in which we operate; third-party payer reimbursement and coverage decisions related to our solutions; risks related to data management, storage, and processing capabilities and our ability to integrate and deploy artificial intelligence and advanced data analytics technologies; our ability to protect and enhance our intellectual property; regulatory requirements, decisions or approvals (including the timing and conditions thereof) related to our solutions; reliance on third-party suppliers; risks related to data security, patient privacy, and compliance with healthcare data protection regulations as well as potential cybersecurity threats to our data platforms; our compliance with laws and regulations; the outcome of government investigations and litigation; risks related to our indebtedness; and our ability to hire and retain key personnel as well as risks, uncertainties, and other factors described in the section titled "Risk Factors" and elsewhere in our Annual Report on Form 10-K filed with the Securities and Exchange Commission (SEC) on March 3, 2026, and in our other filings we make with the SEC from time to time. We undertake no obligation to update any forward-looking statements to reflect changes in events, circumstances or our beliefs after the date of this press release, except as required by law.

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