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# MAIA Biotechnology Reports Strong Enrollment and Dosing Momentum in Pivotal Phase 3 Non-Small Cell Lung Cancer Trial

*MAIA's novel telomere-targeting therapy being evaluated as a third-line treatment for advanced non-small cell lung cancer*

**CHICAGO, June 04, 2026 (GLOBE NEWSWIRE)** -- MAIA Biotechnology, Inc. (NYSE American: MAIA) ("MAIA", the "Company"), a clinical-stage biopharmaceutical company focused on developing targeted immunotherapies for cancer, today provided a patient enrollment update for its ongoing pivotal Phase 3 trial, THIO-104, evaluating its novel telomere-targeting therapy as a third-line (3L) treatment for advanced non-small cell lung cancer (NSCLC). To date, 29 patients have been dosed among 34 activated trial sites in 6 foreign countries.

Vlad Vitoc, M.D., Founder and Chief Executive Officer of MAIA, commented, "Enrollment and dosing in our Phase 3 study is progressing at a strong pace. Based on this early momentum, we are targeting up to 100 patients by year-end and expect to have sufficient survival data to conduct an interim analysis in 2027."

Dr. Vitoc has previously stated that statistical assessments of MAIA's lead therapeutic, ateganosine, suggest a high probability of [technical success](#) in the THIO-104 full approval trial if Phase 3 data is consistent with Phase 2 THIO-101 trial results. Median overall survival was 17.8 months in parts A and B of the Phase 2 trial. With chemotherapy, which is the standard utilized treatment for 3L NSCLC patients, expected survival in a heavily pre-treated population is 5.8 months.<sup>1</sup>

Ateganosine is a first-of-its-kind dual mechanism therapy designed to break down telomere structure and function in cancer cells while inducing immune activation. As a potential breakthrough therapeutic, ateganosine holds substantial commercial opportunity in a projected \$70 billion global NSCLC treatment market by 2030.<sup>2</sup>

The U.S. Food and Drug Administration (FDA) has granted Fast Track designation for ateganosine as a 3L NSCLC treatment.

## About Ateganosine

Ateganosine (THIO, 6-thio-dG or 6-thio-2'-deoxyguanosine) is a first-in-class investigational telomere-targeting agent currently in clinical development to evaluate its activity in non-small cell lung cancer (NSCLC). Telomeres, along with the enzyme telomerase, play a

fundamental role in the survival of cancer cells and their resistance to current therapies. The modified nucleotide 6-thio-2'-deoxyguanosine induces telomerase-dependent telomeric DNA modification, DNA damage responses, and selective cancer cell death. Ateganosine-damaged telomeric fragments accumulate in cytosolic micronuclei and activates both innate (cGAS/STING) and adaptive (T-cell) immune responses. The sequential treatment of ateganosine followed by PD-(L)1 inhibitors resulted in profound and persistent tumor regression in advanced, in vivo cancer models by induction of cancer type-specific immune memory. Ateganosine is presently developed as a second or later line of treatment for NSCLC for patients that have progressed beyond the standard-of-care regimen of existing checkpoint inhibitors.

### **About THIO-104 Phase 3 Clinical Trial**

THIO-104 is a multicenter, open-label, randomized Phase 3 clinical trial, designed to evaluate ateganosine's telomere-targeting anti-tumor activity when followed by PD-(L)1 inhibition in patients with advanced third-line NSCLC who previously did not respond or developed resistance to treatment regimens containing checkpoint inhibitor and/or chemotherapy and have progressed. The trial has two primary objectives: (1) to assess the clinical efficacy of ateganosine compared to investigator's choice of chemotherapy, using median Overall Survival (OS) as the primary clinical endpoint (2) to evaluate the safety and tolerability of ateganosine in sequential combination with a checkpoint inhibitor. For more information on this Phase 3 trial, please visit [ClinicalTrials.gov](https://clinicaltrials.gov/ct2/show/study/NCT06908304) using the identifier NCT06908304.

### **About MAIA Biotechnology, Inc.**

MAIA is a targeted therapy, immuno-oncology company focused on the development and commercialization of potential first-in-class drugs with novel mechanisms of action that are intended to meaningfully improve and extend the lives of people with cancer. Our lead program is ateganosine (THIO), a potential first-in-class cancer telomere targeting agent in clinical development for the treatment of NSCLC patients with telomerase-positive cancer cells. For more information, please visit [www.maiabiotech.com](http://www.maiabiotech.com).

### **Forward Looking Statements**

MAIA cautions that all statements, other than statements of historical facts contained in this press release, are forward-looking statements. Forward-looking statements are subject to known and unknown risks, uncertainties, and other factors that may cause our or our industry's actual results, levels or activity, performance or achievements to be materially different from those anticipated by such statements. The use of words such as "may," "might," "will," "should," "could," "expect," "plan," "anticipate," "believe," "estimate," "project," "intend," "future," "potential," or "continue," and other similar expressions are intended to identify forward looking statements. However, the absence of these words does not mean that statements are not forward-looking. For example, all statements we make regarding (i) the initiation, timing, cost, progress and results of our preclinical and clinical studies and our research and development programs, (ii) our ability to advance product candidates into, and successfully complete, clinical studies, (iii) the timing or likelihood of regulatory filings and approvals, (iv) our ability to develop, manufacture and commercialize our product candidates and to improve the manufacturing process, (v) the rate and degree of market acceptance of our product candidates, (vi) the size and growth potential of the markets for our product

candidates and our ability to serve those markets, and (vii) our expectations regarding our ability to obtain and maintain intellectual property protection for our product candidates, are forward looking. All forward-looking statements are based on current estimates, assumptions and expectations by our management that, although we believe to be reasonable, are inherently uncertain. Any forward-looking statement expressing an expectation or belief as to future events is expressed in good faith and believed to be reasonable at the time such forward-looking statement is made. However, these statements are not guarantees of future events and are subject to risks and uncertainties and other factors beyond our control that may cause actual results to differ materially from those expressed in any forward-looking statement. Any forward-looking statement speaks only as of the date on which it was made. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law. In this release, unless the context requires otherwise, “MAIA,” “Company,” “we,” “our,” and “us” refers to MAIA Biotechnology, Inc. and its subsidiaries.

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<sup>1</sup> Girard N, et al. J Thorac Onc 2009;12:1544-1549

<sup>2</sup> Research and Markets, Non-Small Cell Lung Cancer (NSCLC) Global Market Trends and Regional Growth Insights 2026-2030, March 2026



Source: MAIA Biotechnology, Inc.