UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

Current Report

Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 8, 2024

MAIA Biotechnology, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-41455 (Commission File Number) 83-1495913 (IRS Employer Identification No.)

444 West Lake Street, Suite 1700 Chicago, IL (Address of principal executive offices)

60606 (Zip Code)

(312) 416-8592

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered			
Common Stock	MAIA	NYSE American			

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 7.01 Regulation FD Disclosure.

1. MAIA Biotechnology, Inc. (the "Company") has prepared a poster (the "Poster") detailing new efficacy data from its Phase 2 THIO-101 clinical trial evaluating THIO sequenced with the immune checkpoint inhibitor (CPI) cemiplimab (Libtayo®) in patients with advanced non-small cell lung cancer (NSCLC) who failed 2 or more standardof-care therapy regimens, which includes: (i) as of September 16, 2024, 19 patients had survival follow-up surpassing 12 months, including 10 in third line treatment (3L); (ii) Interim median survival follow-up in 3L across all dose levels of THIO was 11.5 months; and (iii) Interim median survival follow-up in 3L in the THIO 180mg dose was 11.4 months. The Poster was selected as a "late-breaking abstract" and is being presented and displayed at the Society for Immunotherapy of Cancer (SITC) 39th Annual Meeting on November 8, 2024. The Poster will also be posted to the Company's website on November 8, 2024, a copy of which is filed as Exhibit 99.1 to this Current Report on Form 8-K (this "Report") and is hereby incorporated by reference.

2. The Company has made available a presentation (the "Presentation") about the Company's business which was posted to the Company's website on November 8, 2024, a copy of which is filed as Exhibit 99.2 to this Current Report on Form 8-K (this "Report") and is hereby incorporated by reference.

3. The Company has made available a summary ("Summary") highlighting certain aspects of the Company's business, clinical programs and partnership with Regeneron which was posted to the Company's website on November 8,, 2024, a copy of which is filed as Exhibit 99.3 to this Current Report on Form 8-K (this "Report") and is hereby incorporated by reference.

The information contained in each of the Poster, the Presentation and the Summary is summary information that should be considered in the context of the Company's filings with the Securities and Exchange Commission and other public announcements the Company may make by press release or otherwise from time to time. Each of the Poster, the Presentation and the Summary speaks as of the date of this Report. While the Company may elect to update the Poster, the Presentation and/or the Summary in the future to reflect events and circumstances occurring or existing after the date of this Report, the Company specifically disclaims any obligation to do so.

Each of the Poster, the Presentation and the Summary contains forward-looking statements, and as a result, investors should not place undue reliance on these forward-looking statements.

The information set forth in this Report, including, without limitation, the Poster, the Presentation and the Summary, is not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that Section, nor shall it be incorporated by reference into a filing under the Securities Act of 1933, as amended, or the Exchange Act, regardless of any general incorporation language in such filing, except as shall be expressly set forth by specific reference in such a filing. This Report (including the exhibits hereto) will not be deemed an admission as to the materiality of any information required to be disclosed solely to satisfy the requirements of Regulation FD.

Forward-looking Statements

The Company cautions that all statements, other than statements of historical facts, contained in this Current Report on Form 8-K, or furnished herewith, 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. All forward-looking statement is made. However, these statement that, although we believe to be reasonable, are inherently uncertain. Any forward-looking statement is made. However, these statements are not guarantees of 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, including, but not limited to: (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 obtain and maintain intellectual property protection for our product candidates and to improve the manufacturing process, (v) the rate and degree of market acceptance of our product candidates, our product candidates and to improve the manufacturing process, (vi) the size and growth po

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Poster
99.2	Presentation
99.3	Summary
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)



SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: November 8, 2024

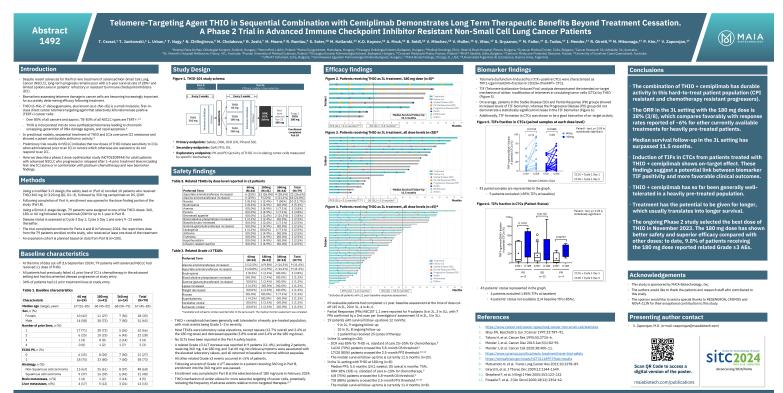
MAIA BIOTECHNOLOGY, INC.

 By:
 /s/ Vlad Vitoc

 Name:
 Vlad Vitoc

 Title:
 Chief Executive Officer

Exhibit 99.1



KARANA BIOTECHNOLOGY

TELOMERE TARGETING IMMUNOTHERAPIES FOR CANCER NYSE AMERICAN: MAIA

November 2024

FORWARD-LOOKING STATEMENTS



All statements in this presentation, other than those relating to historical facts, are "forward-looking statements." These forward-looking statements may include, but are not limited to, statements relating to our objectives, plans, and strategies; statements that contain projections of results of operations or of financial condition; statements relating to the industry and government policies and regulations relating to our industry; and all statements (other than statements of historical facts) that address activities, events, or developments that we intend, expect, project, believe, or anticipate will or may occur in the future. Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties. We have based these forward-looking statements on assumptions and assessments made by our management in light of their experience and their perception of historical trends, current conditions, expected future developments, and other factors they believe to be appropriate. Important factors that could cause actual results, developments, and business decisions to differ materially from those anticipated in these forward-looking statements include, among other things: the overall global economic environment; general market, political, and economic conditions in the countries in which we operate: projected capital expenditures and liquidity; changes in our strategy; government regulations and approvals; the application of certain service license; and litigation and regulatory proceedings. Factors that may cause such differences also include, but are not limited to, those discussed under Risk Factors set forth in our Annual Report on Form 10-K for the year ended December 31, 2023 and other periodic reports filed by the Company from time to time with the Securities and Exchange Commission. You may get these documents for free by visiting EDGAR on the Commission's website at www.sec.gov. We caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from the forward-looking statements contained in this presentation as a result of, among other factors, the factors referenced in the "Risk Factors" section of our Annual Report on Form 10-K for the year ended December 31, 2023. In addition, even if our results of operations, financial condition and liquidity, and the development of the industry in which we operate are consistent with the forward-looking statements contained in this presentation, they may not be predictive of results or developments in future periods. This presentation shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any of our securities nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. Any offering of securities can only be made in compliance with applicable securities laws. You should read carefully the factors described in the "Risk Factors" section of our Annual Report on Form 10-K for the year ended December 31, 2023 to better understand the risks and uncertainties inherent in our business and underlying any forward-looking statements. These statements are only current predictions and are subject to known and unknown risks, uncertainties, and other factors that may cause our or our industry's actual results, levels of activity, performance, or achievements to be materially different from those anticipated by the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance, or achievements. Except as required by law, we are under no duty to update or revise any of the forward-looking statements, whether as a result of new information, future events or otherwise, after the date of this prospectus. These forward-looking statements speak only as of the date of this presentation, and we assume no obligation to update or revise these forward-looking statements for any reason.

INVESTMENT PROFILE

New science for cancer therapy: dual MOA telomere targeting and immunogenicity.

• Lead molecule THIO in clinic; 2nd generation compounds in R&D

Phase 2 trial THIO-101 nearing completion: THIO sequenced with CPI in NSCLC.

- Unprecedented disease control, response, post-therapy patient benefit
- Clinical supply agreement with Regeneron (Libtayo®)

Key targeted clinical milestones within reach.

- THIO-101 long-term data in 2nd half of 2024
- Multiple potential pathways to FDA commercial approval

Significant market opportunity in hard-to-treat cancers with unmet need.

- NSCLC: largest tumor type globally, \$34B annual sales
- 3 FDA Orphan Drug Designations: liver (HCC), lung (SCLC) and brain (malignant gliomas)

Multiple THIO trials planned for additional cancer indications.

- Expansion for NSCLC
- Colorectal cancer (CRC), Liver (HCC), SCLC, solid tumors



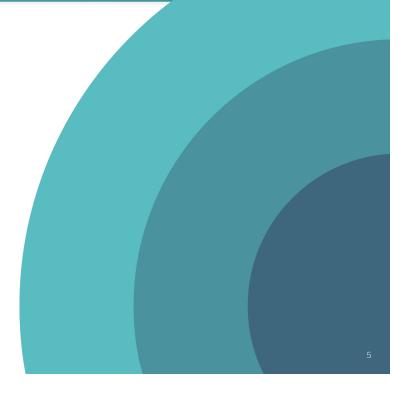
ROBUST PIPELINE

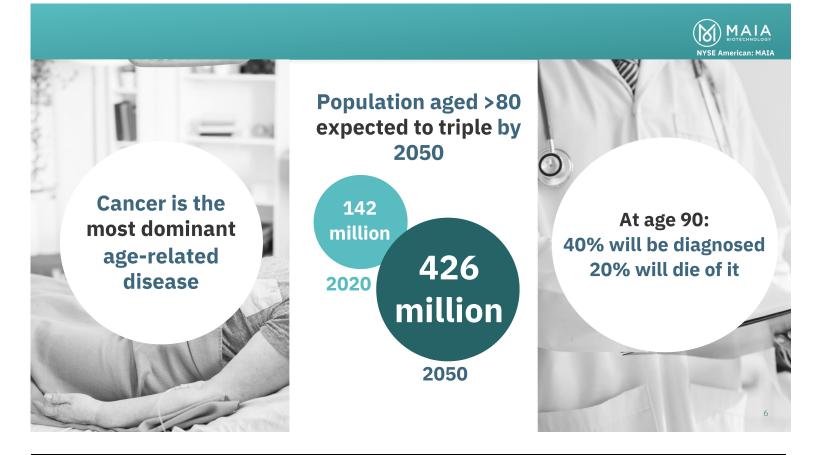


THIO Telomere targeting agent	PHASE 1	PHASE 2	PHASE 3	COLLABORA RIGHT	
THIO-101 NSCLC-2+ (THIO \rightarrow Libtayo [®])		Enrollment mplete		Worldwide rights owned by MAIA	Clinical supply agreement with REGENERON
THIO-102 CRC, HCC, SCLC, ST (THIO \rightarrow CPI)	Ph 2 Planning			Worldwide rights owned by MAIA	
THIO-103 NSCLC-1, SCLC-1 (THIO \rightarrow CPI)	Ph 2/3 Planning			Worldwide rights owned by MAIA	
2 nd Generation Telomere targeting age	ents				
MAIA-2021-020 Multiple Ind. IND Enabling				Developed i	n-house
MAIA-2022-012 Multiple Ind. IND Enabling				fully-owned	
MAIA-2021-029 Multiple Indications					



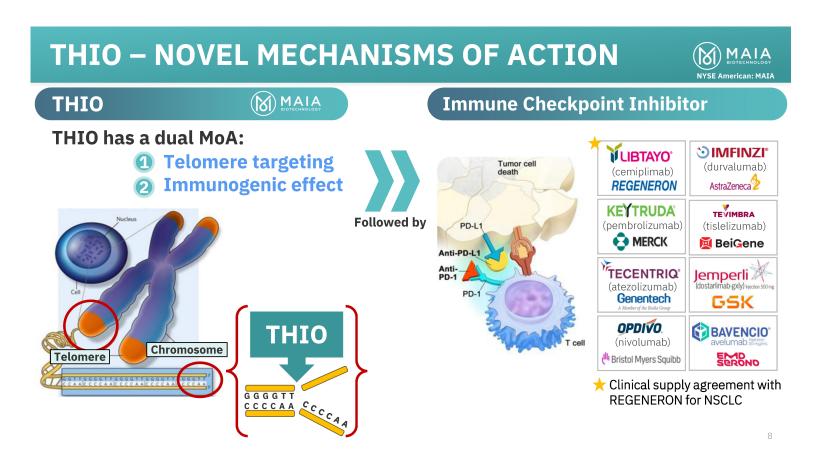
MISSION AND APPROACH





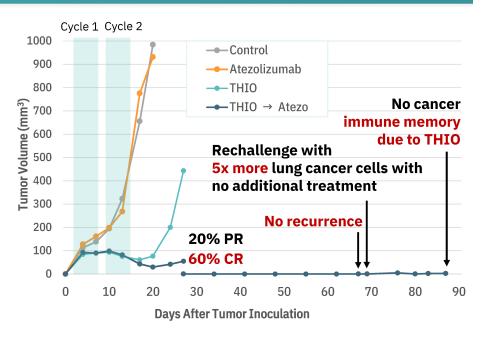


THIO is the only direct telomere targeting anticancer agent in clinical development



THIO-101 NSCLC TRIALS - RATIONALE

- THIO followed by CPI results in 60% complete response
- Only 2 cycles of therapy were administered on weeks 1 and 2; no further therapy throughout the study
- No recurrence after long-term followup
- Anticancer immune memory has been induced: no cancer after rechallenge with 5x more lung cancer (LLC) cells with no additional therapy



Note: Mender et al, Cancer Cell, 2020; THIO followed by Tecentriq (atezolizumab; Roche/Genentech) tested first; repeated later with THIO followed by Keytruda (pembrolizumab; Merck); and Libtayo (cemiplimab; Regeneron).



THIO-101 TRIAL NON-SMALL CELL LUNG CANCER



REGENERON CLINICAL SUPPLY AGREEMENT MAIA



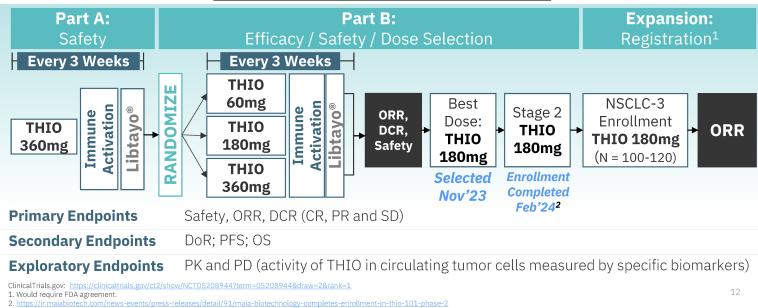


MAIA Biotechnology, Inc. Announces Clinical Supply Agreement with Regeneron for Phase 1/2 Clinical Trial Evaluating THIO in Sequential Administration with Libtayo[®] (cemiplimab) in Advanced Non-Small Cell Lung Cancer

THIO-101 – TRIAL DESIGN

A Multicenter, Open-Label, Dose-Finding Phase 2 Trial Evaluating the Safety and Efficacy of THIO Administered in Sequence with LIBTAYO[®] (*cemiplimab*) in NSCLC patients <u>RESISTANT TO CHECKPOINT INHIBITORS</u>

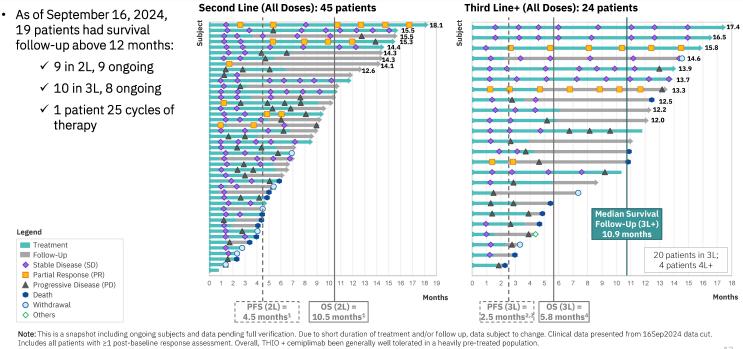
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PATIENTS' SURVIVAL BY LINE OF THERAPY

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MAIA



3. Fossella F, et al. J Clin Oncol 2000;18(12):2354-62. 2. Shepherd F, et al. N Engl J Med 2005;353:123-132. 4. Girard N, et al. J Thorac Onc 2009;12:1544-1549.

TREATMENT IN THIRD-LINE

Extended Survival

- 20 subjects in 3L completed at least 1 post baseline assessment at time of cut-off
- 14/20 (70%) patients crossed 5.8 months OS threshold
- 17/20 (85%) crossed 2.5 months PFS threshold

Unprecedented Efficacy

Legend

Treatment

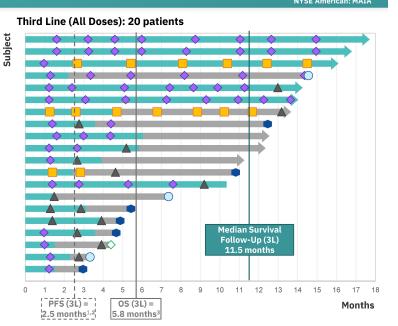
Follow-Up
 Stable Disease (SD)
 Partial Response (PR)

Death
 Withdrawal

Others

▲ Progressive Disease (PD)

• DCR 85% vs 25-35% chemotherapy



Note: This is a snapshot including ongoing subjects and data pending full verification. Due to short duration of treatment and/or follow up, data subject to change. Clinical data presented from 16Sep2024 data cut. Includes all patients with ≥1 post-baseline response assessment. Overall, THIO + cemiplimab been generally well tolerated in a heavily pre-treated population. **1.** Shepherd F, et al. N Engl J Med 2005;353:123-132. **3.** Girard N, et al. J Thorac Onc 2009;12:1544-1549.

2. Fossella F, et al. J Clin Oncol 2000;18(12):2354-62.



14

BEST 3L RESULTS IN THE 180MG DOSE



NSCLC-3 – 180mg:

Legend

Treatment

Follow-Up
 Stable Disease (SD)
 Partial Response (PR)

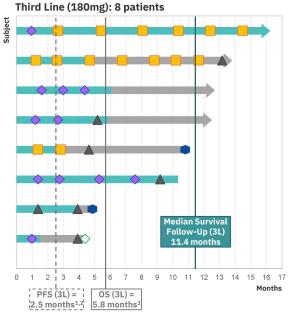
Death

Others

Withdrawal

▲ Progressive Disease (PD)

- 6/8 (75%) patients crossed 5.8 months OS threshold
- 7/8 (88%) crossed 2.5 months PFS threshold
- ORR (180mg dose) 38% vs 6-10% chemotherapy⁴
- DCR 88% vs 25-35% chemotherapy



Note: This is a snapshot including ongoing subjects and data pending full verification. Due to short duration of treatment and/or follow up, data subject to change. Clinical data presented from 16Sep2024 data cut. Includes all patients with ≥1 post-baseline response assessment. Overall, THIO + cemiplimab been generally well tolerated in a heavily pre-treated population.

1. Shepherd F, et al. N Engl J Med 2005;353:123-132. 2. Fossella F, et al. J Clin Oncol 2000;18(12):2354-62. Girard N, et al. J Thorac Onc 2009;12:1544-1549.
 <u>https://ir.maiabiotech.com/news-events/press-releases/detail/94/maia-biotechnology-announces-strong-efficacy-of-thio-as</u>

15

EXPECTED EFFICACY



	THIO-101			
	THIO + Libtayo®			
Target Population	NSCLC-3: • CPI+Platinum Resistant • Prior treatment with Docetaxel			
DCR	88%			
ORR	38%			
PFS (median)	5.5 months			
OS (median)	Not reached at 11.4 months median follow-up ¹			

1. Based on the lower bound of the 95% confidence interval of the median OS (September 16 data cut off). Final estimates may differ as follow-up continues.

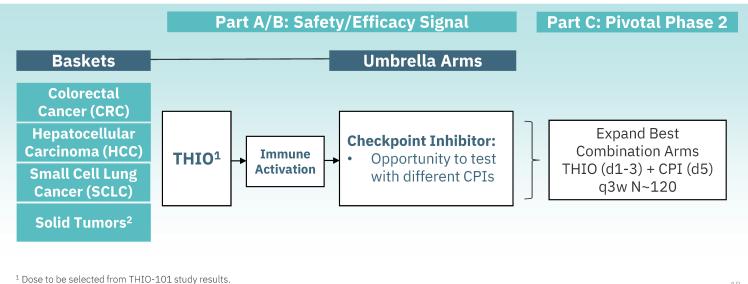


PLANNED UPCOMING TRIALS



THIO-102 TRIAL (PLANNED)

A Multicenter, Open-label, Phase 2 Trial Evaluating the Safety and Efficacy of THIO Administered in Sequence with Anti-PD-1 or Anti-PD-L1



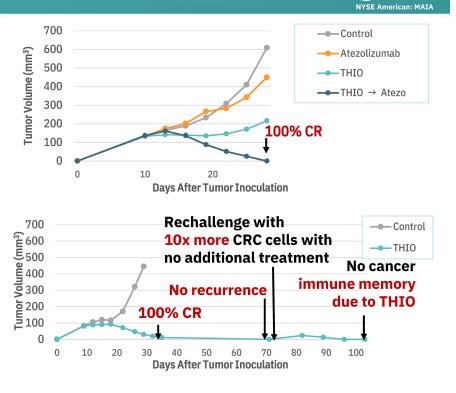
² E.g. Breast, Prostate, Gastric, Pancreatic, Ovarian, etc.

18

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THIO-102 – COLORECTAL RATIONALE

- THIO followed by CPI results in 100% complete response
- Only 2 cycles of therapy were administered on weeks 1 and 2; no further therapy throughout the study
- No recurrence after long-term follow-up
- Anticancer immune memory has been induced: no cancer after rechallenge with 10x more CRC cells with no additional therapy

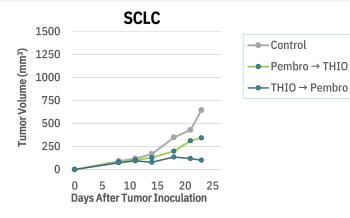


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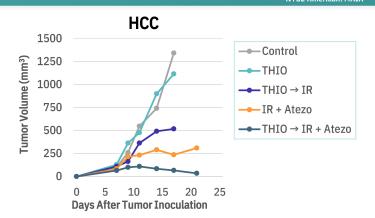
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Mender et al, Cancer Cell, 2020

SCLC & HCC – ORPHAN DRUG DESIGNATION 🔞



- THIO is synergistic with anti-PD-1 agent Pembrolizumab in Small Cell Lung Carcinoma (H2081) *in vivo* in humanized murine cancer model
- Treatment with THIO followed by Pembrolizumab results in highly potent anticancer effect, as compared to Pembrolizumab alone
- THIO converts immunologically "cold non-responsive" SCLC tumor into "hot and responsive" to Pembrolizumab



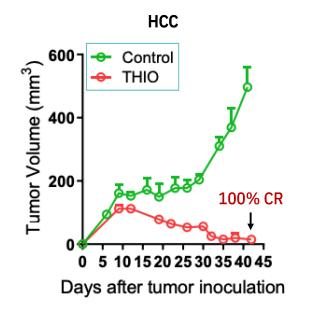
- THIO is highly synergistic and effective in combination with anti-PD-L1 agent Atezolizumab and Ionizing Radiation (IR 10Gy) in HCC53N Hepatocellular Carcinoma
- Treatment with THIO in combination with IR and Atezolizumab results in a complete regression of aggressive HCC tumors. The combination of IR and Atezolizumab is just partially efficacious

MAIA

EXCELLENT EFFICACY IN HCC MODELS

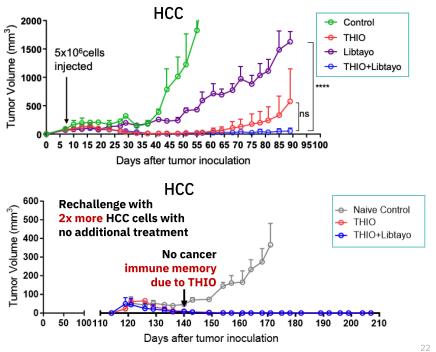
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• THIO achieved complete and durable responses in Hepatocellular Carcinoma (HCC), the dominant histology in primary liver cancer (90%), in *in vivo* models



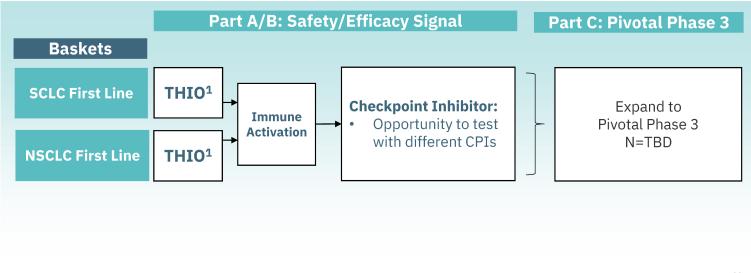
HCC ANTI-CANCER IMMUNE MEMORY

- When combined with immunotherapy checkpoint inhibitor Libtayo®, duration of response was further potentiated
- Upon rechallenge with two times more cancer cells and no additional treatment, tumor growth was completely prevented
- Administration of THIO alone and in combination with Libtayo[®] generated anti-cancer immune memory



MAIA

A Multicenter, Open-label, Phase 2 Trial Evaluating the Safety and Efficacy of THIO Administered in Sequence with Anti-PD-1 or Anti-PD-L1



 $^{\rm 1}$ Dose to be selected from THIO-101 study results.

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INVESTMENT OPPORTUNITY

EXCLUSIVITY AND INTELLECTUAL PROPERTY (8) MALA



Goal: New Chemical Entity (NCE) Marketing Exclusivity

- THIO has never been previously approved by the FDA for commercialization
- Robust exclusivity
- US: 7 years; EU, Japan, other markets: 10 years

Robust and Growing Patent Portfolio for THIO

- 5 issued patents
- 29 pending patent applications

Current patents/provisional applications broadly cover the following key areas:

- Telomere targeting compounds (2034+)
- THIO's immunogenic treatment strategy: sequential combination with CPIs (2041)

EXPERIENCED MANAGEMENT TEAM





Vlad Vitoc, MD, MBA Founder and CEO

- 24+ years in Oncology Pharma/ Biotech: Commercial, Medical
- 12 compounds launched across 20+ tumor types
- Leadership roles at Bayer (Nexavar), Astellas (Tarceva, Xtandi), Cephalon (Treanda), Novartis (Zometa), Incyte (Jakafi)



Sergei Gryaznov, PhD Chief Scientific Officer

- 25+ years as Scientist
- Expert Drug Discovery and Development, Oncology with 120+ publications
- Head of the J&J Oligonucleotide Center of Excellence Worldwide
- Expert of telomeres and telomerase in cancer, coinventor of THIO



Jeffrey Himmelreich, MBA Head of Finance

- 20+ years of financial expertise
- CFO for privately held and publicly traded companies in the healthcare and manufacturing industries
- Active CPA licensed in the state of Pennsylvania and is a Chartered Global Management Accountant



SIGNIFICANT MARKET OPPORTUNITY



27



Developing agents for the top tumor types markets globally

SCLC

Checkpoint Inhibitors Market



• Keytruda® expected to hit \$30B in 2026, biosimilars expected by 2028

NSCLC (#1 WW) Mortality: 1.7M / Sales: \$34B

HCC Mortality: 0.8M / Sales: \$3B

Mortality: 0.3M / Sales: \$2B

CRC (#2 WW) Mortality: 1.0M / Sales: \$20B

\$46B CPIs Group (2023 Sales)

- 5 CPIs approved for NSCLC:
 - > 30% of NSCLC drug sales
 - > 40% of total CPI sales
- Keytruda[®]: \$9B in NSCLC of \$25B total

COMPARABLE COMPANIES



- On June 3, 2022, Bristol Myers Squibb (BMS) announced the acquisition of Turning Point Therapeutics in an all-cash transaction for <u>\$4.1B</u> in equity value
- On October 9, 2023, BMS acquired Mirati for <u>\$4.8B</u> in cash, plus up to \$1B in contingent value right
- Commercial stage companies: Mirati (on acquisition)
- Phase 2 companies: Arcus, Bicycle Therapeutics and Turning Point (on acquisition)



Market caps as of November 01, 2024 (source: Citadel Securities)
 Last known market cap before acquisition (source: companiesmarketcap.com)

MULTIPLE VALUE-DRIVING MILESTONES

\star Major inflection points

		2024		2025		2026	
THIO-101 Ph2 NSCLC-2+	Early Efficacy Update (Biotech Showcase)	Part B Efficacy (ASCO)	Part B Long-term Efficacy	Part B Full Efficacy	Part C Efficacy Update	Part C Enrollment Complete	Filing for Potential US Accelerated approval Approval in US
THIO-102 Ph2 CRC, SCLC, HCC, ST				Enrollment First Patient In		Early Safety Report	Early Efficacy Report
THIO-103 Ph2/3 SCLC-1, NSCLC-1				Enrollment First Patient			Early Safety Report ★
Note: Estimated timel	ines. Trial names, tar	geted indications	and projected dates n	nay be subject to changes.			29

NYSE American: MAIA





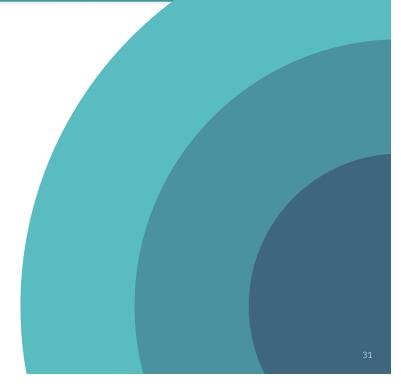


Investor Relations Contact +1 (872) 270-3518 ir@maiabiotech.com

MAIA Biotechnology, Inc. 444 West Lake Street, Suite 1700 Chicago, IL 60606



APPENDIX



U.S. FDA GRANTED 3 ORPHAN DRUG DESIGNATIONS TO THIO



- The FDA's Orphan Drug Act of 1983 is designed to <u>incentivize the</u> <u>development of therapies that demonstrate promise for the treatment</u> <u>of rare (orphan) diseases or conditions</u>
- Rare disease affects fewer than 200,000 people total in the U.S, or if the cost of developing a drug and making it available in the U.S. will exceed any potential profits from its sale due to the small target population size
- Multiple incentives to make development more financially possible for companies to pursue:
 - ✓ up to 7 years of market exclusivity
 - \checkmark up to 20 years of 25% federal tax credit for expenses the U.S.
 - ✓ waiver of Prescription Drug User Fee Act (PDUFA) fees, a value of ~\$2.9 million in 2021
- Only highest quality data is considered for ODD a testament to the potential of THIO in the treatment of multiple indications
- THIO has been granted 3 ODDs:
 - ✓ Hepatocellular Carcinoma (HCC, 90% of primary liver cancers)
 - ✓ Small Cell Lung Cancer (SCLC, deadliest lung cancer)
 - ✓ Glioblastoma (brain cancer)







Chief Executive Officer 444 West Lake Street, Suite 1700 - Chicago, IL 60606 ☎ (312) 416-8592 ⊠ vvitoc@maiabiotech.com ☐ (215) 971-5488 ⊕ maiabiotech.com

MAIA is an immuno-oncology company focused on the development and commercialization of first-in-class drugs intended to meaningfully improve and extend the lives of people with hardto-treat cancers. We are exploring new science for cancer therapy utilizing a novel dual mechanism of action: telomere targeting and immunogenicity. Our lead program is THIO, a firstin-class anticancer agent in clinical development for the treatment of Non-Small Cell Lung Cancer (NSCLC) in patients.

Company Highlights Clinical Programs

THIO-101

Ph 2 trial of THIO + Libtayo® (cemiplimab)

- Go-to-market trial in second-line+ NSCLC
- Objectives: select most efficacious dose and expand into pivotal trial
- Enrollment completed earlier than expected in Feb 2024; trial nearing completion
- Long-term data on second half of 2024
- Unprecedented efficacy in third-line treatment with 180mg dose:
 - ✓ 38% overall response rate (ORR) vs. 6-10% with chemotherapy
 - ✓ 75% of patients crossed 5.8 months OS threshold
- Preliminary Disease Control Rate (DCR), best predictor for overall survival benefit (meta-analysis of 74 trials worldwide):
 - ✓ 85% DCR in third-line vs. 25-35% with chemotherapy

THIO is a Unique Direct Telomere Targeting Agent

THIO-102 (planning)

Ph 2 trial of THIO + checkpoint inhibitors

- Go-to-market trial in late line of therapy in multiple tumor types: Colorectal Cancer (CRC), Hepatocellular Carcinoma (HCC, 90% of primary type of liver cancers), Small Cell Lung Cancer (SCLC) and Solid Tumors of any type (ST)
- Objectives: select most efficacious combination by tumor type and expand into pivotal trials (12+ possible market entry indications)
- File for accelerated approvals in 2026 and beyond

THIO-103 (planning) Ph 2/3 trial of THIO + checkpoint inhibitors

- First-line NSCLC and SCLC
- Expand to Breast, Prostate, Pancreatic, Ovarian, Gastric Cancer, etc.
- Objectives: confirmatory for accelerated approvals from THIO-101 and THIO-102
- Potential to be used in combination with other anticancer and immune therapies
- Novel dual mechanism of action: telomere targeting + immunogenic
- 3 FDA Orphan Drug Designations: HCC, SCLC, and Glioblastoma
- Excellent efficacy: achieved complete and durable responses in HCC *in vivo* models (peer-reviewed published study)
- Featured in multiple renowned scientific publications including Cancer Cell and Nature

Partnerships and Collaborations

- THIO-101: clinical supply agreement with Regeneron, provides Libtayo® for all patients in the trial
- Broad potential for partnerships with different companies and checkpoint inhibitors in upcoming clinical trials

Cap Table

NYSE American: MAIA

Share Price ¹	\$2.75	Float ²	19.7M	
Market Cap ¹	\$66M	Insider		
FD Shares		Holdings ²	17%	
Outstanding ²	39M	Cash ²	\$11.6M	
1. As of Nov 01, 2024		2. As of Jun 30, 2024		



MAIA Biotechnology's goal is to bring revolutionary cancer treatments to the market, with the only direct telomere targeting agent in clinical development. MAIA is developing agents for the top tumor types markets globally.

Significant Market Opportunity

- Cancer is the most dominant of the age-related disease categories and has life altering impacts in the lives of patients and their close ones
- The number of people aged 80 years or older is expected to triple between 2020 and 2050 to reach 426 million
- Approximately 40% of people alive today are projected to be diagnosed with a cancer type in their lifetime, and 20% will die of it
- NSCLC is the leading tumor type: Mortality 1.7M / Sales \$32B (2022)
- CRC is second: Mortality 1M / Sales \$20B (2022)

Strong and Growing IP Portfolio

- Potential for receiving NCE marketing exclusivity
- 5 patents issued, 29 patent applications pending

Next Generation Potential Telomere Targeting Therapeutics in R&D

- 84 new molecules engineered; same mechanism of action as THIO
- Following THIO to commercial stage within 4-5 years

Robust Pipeline						
THIO Telomere targeting agent		PHASE 1	PHASE 2	PHASE 3	COLLABORATION & RIGHTS	
THIO-101 NSCLC-2+	(THIO $ ightarrow$ Libtayo®)	Patient Enro Comple			Worldwide rights agreement with owned by MAIA REGENERON	
THIO-102 CRC, HCC, SCLC, ST	(THIO $ ightarrow$ CPI)	Ph 2 Planning			Worldwide rights owned by MAIA	
THIO-103 NSCLC-1, SCLC-1	(THIO $ ightarrow$ CPI)	Ph 2/3 Planning			Worldwide rights owned by MAIA	
2 nd Generation Telomere targe	ting agents					
MAIA-2021-020 Multiple Ind.	IND Enabling				Developed	
MAIA-2022-012 Multiple Ind.	IND Enabling				in-house fully-owned	
MAIA-2021-029 Multiple Indica	tions				by MAIA	



Vlad Vitoc, MD, MBA

Founder, Chairman, and Chief Executive Officer

- 24+ years in Pharma/Biotech: Commercial, Medical,
- 12 compounds launched across 20+ tumor types
- Leadership roles at Bayer (Nexavar), Astellas (Tarceva, Xtandi), Cephalon (Treanda), Novartis (Zometa), and Incyte (Jakafi)

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