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

August 12, 2024 Date of Report (date of earliest event reported)

LISATA THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

001-33650 (Commission File Number)

22-2343568 (I.R.S. Employer Identification No.)

110 Allen Road, Second Floor, Basking Ridge, NJ 07920 (Address of Principal Executive Offices)(ZipCode)

(908) 842-0100

Registrant's telephone number, including area code

(Former name or former address, if changed since last report)

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 (see General Instruction A.2. below):

□ 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)

D 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, par value \$0.001 per share	LSTA	The Nasdaq Capital Market

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

Emerging growth company

□ 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

Item 2.02 Results of Operations and Financial Condition.

The information in Item 7.01 is incorporated by reference.

Item 7.01 Regulation FD Disclosure.

On August 12, 2024, Lisata Therapeutics, Inc. (the "Company") issued a press release in connection with its financial results for the second quarter ended June 30, 2024. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated into this Item 7.01 by reference.

A copy of a slide presentation that the Company will use at investor and industry conferences and presentations is attached to this Current Report as Exhibit 99.2 and is incorporated herein solely for purposes of this Item 7.01 disclosure.

The information in this Item 7.01, including Exhibits 99.1 and 99.2 attached hereto, is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. The information in this Item 7.01, including Exhibits 99.1 and 99.2 attached hereto, shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, except as otherwise expressly stated in such filing.

Item 9.01. Financial Statement and Exhibits.



SIGNATURES

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

LISATA THERAPEUTICS, INC.

By: <u>/s/ David J. Mazzo</u> Name: David J. Mazzo, PhD Title: President & Chief Executive Officer

Dated: August 12, 2024

Lisata Therapeutics Reports Second Quarter 2024 Financial Results and Provides Business Update

Phase 2b ASCEND trial top-line data remains on track to be reported in fourth quarter of 2024

Available cash projected to fund current operations into early 2026 and all active studies through to data

Conference call scheduled for today at 4:30 p.m. Eastern Time

BASKING RIDGE, NJ (August 12, 2024) – Lisata Therapeutics, Inc. (Nasdaq: LSTA) ("Lisata" or the "Company"), a clinical-stage pharmaceutical company developing innovative therapies for the treatment of advanced solid tumors and other serious diseases, provided a business update and reported financial results for the second quarter ended June 30, 2024.

"The second quarter generated strong momentum for Lisata as we continued to advance multiple ongoing and planned clinical studies centered around our novel investigational product, certepetide," stated David J. Mazzo, Ph.D., President and Chief Executive Officer of Lisata. "We have a lot to look forward to with multiple key data readouts projected over the next 18 months, including topline results from the Phase 2b ASCEND trial. These results have transformative potential for the Company as we plan to explore conditional approvals with various regulatory agencies and/or to design an optimized Phase 3 program in metastatic pancreatic ductal adenocarcinoma, an aggressive, often fatal, form of pancreatic cancer. In just the first half of 2024, certepetide has received U.S. FDA Orphan Drug and Rare Pediatric Disease designation in osteosarcoma, and a waiver for evaluating certepetide in a pediatric population with pancreatic cancer in Europe (EMA). These agency recognitions further validate and support our excitement and the broad therapeutic potential of this innovative therapy."

Dr. Mazzo added, "Our continued prudent, strategic financial management allows us to reaffirm our projection that available cash will fund current operations into early 2026, providing the necessary capital for all planned trials through to completion."

Development Portfolio Highlights

Certepetide as a treatment for solid tumors in combination with other anti-cancer agents

Certepetide (formerly LSTA1) is an investigational drug designed to activate a novel uptake pathway that allows co-administered or tethered anti-cancer drugs to penetrate solid tumors more effectively. Certepetide actuates this active transport system in a tumor-specific manner, resulting in systemically co-administered anti-cancer drugs more efficiently penetrating and accumulating in the tumor. Certepetide has also been shown to modify the tumor microenvironment, diminishing its immunosuppressive nature and inhibiting the metastatic cascade. Along with our collaborators, we have amassed significant non-clinical data demonstrating enhanced delivery of various existing and emerging anti-cancer thrapies, including immunotherapies and RNA-based therapeutics. To date, certepetide has also demonstrated favorable safety, tolerability, and clinical activity in completed and ongoing clinical trials designed to test its ability to enhance the effectively. Certepetide has been awarded Fast Track designation (U.S.) and Orphan Drug Designation for glioma (U.S.). Additionally, certepetide has received Rare Pediatric Disease Designation for osteosarcoma (U.S.). Currently, certepetide is the subject of multiple ongoing or planned Phase 2a and 2b clinical studies being conducted globally in a variety of solid tumor types in combination with a variety of anti-cancer regimens, including:

ASCEND: Phase 2b double-blind, randomized, placebo-controlled clinical trial evaluating two dosing regimens of certepetide in combination with SoC chemotherapy (genetitabine/nab-paclitaxel) in
patients with metastatic pancreatic ductal adenocarcinoma ("mPDAC"). Cohort A of the study receives a single dose of 3.2

mg/kg certepetide essentially simultaneously with SoC, while Cohort B is identical to Cohort A, but with a second dose of 3.2mg/kg of certepetide given four hours after the first. The trial is being conducted at 25 sites in Australia and New Zealand led by the Australaian Gastro-Intestinal Trials Group in collaboration with the University of Sydney and with the National Health and Medical Research Council Clinical Trial Centre at the University of Sydney as the Coordinating Centre. The conclusion of a planned interim futility analysis in 2023 by the Independent Data Safety Monitoring Committee was that the conditions for futility were not met and that the study should proceed to completion. With trial enrollment completed in the fourth quarter of 2023, Lisate spects topline data from the 95 patients assigned to Cohort A of the study to be reported in the fourth quarter of 2024 and the complete data set of all 158 patients from the study to be available by mid-2025.

- BOLSTER: Phase 2a double-blind, placebo-controlled, multi-center, randomized trial in the U.S. evaluating certepetide in combination with SoC in first- and second-line cholangiocarcinoma ("CCA"). The
 Company achieved complete enrollment in first-line CCA nearly six months ahead of plan, accelerating anticipated topline data readout to mid-2025. Based on this rapid enrollment rate and the pressing
 need to improve treatment outcomes in patients that have progressed after first-line CCA treatment, a second cohort has been added to the BOLSTER trial evaluating subjects in second-line CCA. Lisata
 expects to enroll the first patient by the fourth quarter of 2024.
- CENDIFOX: Phase 1b/2a open-label trial in the U.S. of certepetide in combination with neoadjuvant FOLFIRINOX based therapies in pancreatic, colon and appendiceal cancers. The trial has completed
 enrollment in the pancreatic cohort and expects to complete enrollment in the remaining two cohorts by the end of 2024.
- Qilu Pharmaceutical, the licensee of certepetide in the Greater China territory, is currently evaluating certepetide in combination with gemcitabine and nab-paclitaxel as a treatment for mPDAC. During the
 2023 ASCO Annual Meeting, Qilu Pharmaceutical presented an abstract sharing preliminary data from the study which corroborated previously reported findings from the Phase 1b/2a trial of certepetide
 plus gemcitabine and nab-paclitaxel conducted in Australia in patients with mPDAC. As previously reported, Qilu has begun treating patients in their Phase 2 placebo-controlled trial in mPDAC.
- iLSTA: Phase 1b/2a randomized, single-blind, single-center, safety and pharmacodynamic trial in Australia evaluating certepetide in combination with the checkpoint inhibitor, durvalumab, plus SoC gemcitabine and nab-paclitaxel chemotherapy versus SoC alone in patients with locally advanced non-resectable PDAC. Enrollment completion is expected in the second half of 2024.
- A Lisata-funded Phase 2a, double-blind, placebo-controlled, randomized, proof-of-concept study evaluating certepetide in combination with SoC temozolomide versus temozolomide alone in patients with newly diagnosed GBM is being conducted across multiple sites in Estonia and Latvia and is targeted to enroll 30 patients with a randomization of 2:1 in favor of the certepetide treatment group.
- FORTIFIDE: Phase 1b/2a, double-blind, placebo-controlled, three-arm, randomized study in the U.S. to evaluate the safety, tolerability, and efficacy of a 4-hour continuous infusion of certepetide in combination with SoC in subjects with second-line mPDAC who have progressed on FOLFIRINOX. As part of this study, Lisata has engaged Haystack Oncology to use its MRD™ technology to measure circulating tumor DNA levels at multiple timepoints in patients throughout the study as an exploratory endpoint for analyzing the early therapeutic effect of certepetide. The Company expects to enroll the first patient in the study by the first half of 2025.

Second Quarter 2024 Financial Highlights

For the three months ended June 30, 2024, operating expenses totaled \$5.5 million, compared to \$6.9 million for the three months ended June 30, 2023, representing a decrease of \$1.4 million or 19.7%.

Research and development expenses were approximately \$2.6 million for the three months ended June 30, 2024, compared to \$3.2 million for the three months ended June 30, 2023, representing a decrease of \$0.6 million or 17.7%. This was primarily due to a reduction in expenses associated with the Phase 2b ASCEND trial which completed enrollment in the prior year, lower spend on chemistry, manufacturing and control ("CMC") related expenses and

lower equity expense partially offset by an increase in expenses associated with our enrollment activities in the current year for our BOLSTER trial.

General and administrative expenses were approximately \$2.9 million for the three months ended June 30, 2024, compared to \$3.7 million for the three months ended June 30, 2023, representing a decrease of \$0.8 million or 21.3%. This was primarily due to one-off related severance costs in the prior year associated with the elimination of the Chief Business Officer position on May 1, 2023, a reduction in equity expense and a decrease in directors and officers insurance premiums in the current year.

Benefit from income taxes was \$0.0 million for the three months ended June 30, 2024, compared to \$2.3 million for the three months ended June 30, 2023. In April 2023, we received net proceeds of \$2.2 million from the sale of tax benefits to a qualified and approved buyer pursuant to the New Jersey Economic Development Authority's Technology Business Tax Certificate Transfer Program.

Overall, net losses were \$5.0 million for the three months ended June 30, 2024, compared to \$4.0 million for the three months ended June 30, 2023.

Balance Sheet Highlights

As of June 30, 2024, Lisata had cash, cash equivalents, and marketable securities of approximately \$38.3 million. Based on its current expected capital needs, the Company believes that its projected capital will fund its current proposed operations into early 2026, encompassing anticipated data milestones from all its ongoing and planned clinical trials.

Conference Call Information

Lisata will hold a live conference call today, August 12, 2024, at 4:30 p.m. Eastern Time to discuss financial results, provide a business update and answer questions.

Those wishing to participate must register for the conference call by way of the following link: CLICK HERE TO REGISTER. Registered participants will receive an email containing conference call details with dial-in options. To avoid delays, we encourage participants to dial into the conference call 15 minutes ahead of the scheduled start time.

A live webcast of the call will also be accessible under the Investors & News section of Lisata's website and will be available for replay beginning two hours after the conclusion of the call for 12 months.

About Lisata Therapeutics

Lisata Therapeutics is a clinical-stage pharmaceutical company dedicated to the discovery, development and commercialization of innovative therapies for the treatment of advanced solid tumors and other major diseases. Lisata's product candidate, certepetide (formerly LSTA1), is an investigational drug designed to activate a novel uptake pathway that allows co-administered or tethered anti-cancer drugs to selectively target and penetrate solid tumors more effectively. Lisata has already established noteworthy commercial and R&D partnerships based on its CendR Platform[®] technology. The Company expects to announce numerous milestones over the next two years and believes that its projected capital will fund operations into early 2026, encompassing anticipated data milestones from its ongoing and planned clinical trials. For more information on the Company, please visit <u>www.lisata.com.</u>

Forward-Looking Statements

This communication contains "forward-looking statements" that involve substantial risks and uncertainties for purposes of the safe harbor provided by the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, included in this communication regarding the Company's clinical development programs are forward-looking statements. In addition, when or if used in this communication, the words "may," "could," "should," "anticipate," "estimate," "expect," "intend," "plan," "predict" and similar expressions and their variants, as they relate to Lisata or its management, may identify forward-looking statements. Examples of forward-looking statements include, but are not limited to, the potential efficacy of certepetide as a treatment for patients with metastatic pancreatic ductal adenocarcinoma and other solid tumors; statements relating to Lisata's continued listing on the Nasdaq Capital Market; expectations regarding the capitalization, resources and ownership

structure of Lisata; the approach Lisata is taking to discover and develop novel therapeutics; the adequacy of Lisata's capital to support its future operations and its ability to successfully initiate and complete clinical trials; and the difficulty in predicting the time and cost of development of Lisata's product candidates. Actual results could differ materially from those contained in any forward-looking statement as a result of various factors, including, without limitation: results observed from a single patient case study are not necessarily indicative of final results and one or more of the clinical outcomes may materially change following more comprehensive reviews of the data and as more patient data becomes available, including the risk that unconfirmed responses may not ultimately result in confirmed responses to treatment after follow-up evaluations; the risk that product candidates that appeared promising in early research and clinical trials do not demonstrate safety and/or efficacy in larger-scale or later clinical trials; the safety and efficacy of Lisata's product candidates, decisions of regulatory authorities and the timing thereof, the duration and impact of regulatory delays in Lisata's clinical programs, Lisata's ability to finance its operations, the likelihood and timing of the receipt of future milestone and licensing fees, the future success of Lisata's scientific studies, Lisata's ability to successfully develop and commercialize drug candidates, the timing for starting and completing clinical trials, rapid technological change in Lisata's markets, the ability of Lisata to protect its intellectual property rights; and legislative, regulatory, political and economic developments. The foregoing review of important factors included in Lisata's Annual Report on Form 10-K filed with the SEC on February 29, 2024, and in other documents filed by Lisata with the Securities and result of any eliveration. Lisata's annual Report on Form 10-K filed with the SEC on February 29, 2024, and in othe

Contact:

Investors

Lisata Therapeutics, Inc. John Menditto Vice President, Investor Relations and Corporate Communications Phone: 908-842-0084 Email: jmenditto@lisata.com

Media:

ICR Westwicke Elizabeth Coleman Senior Associate Phone: 203-682-4783 Email: elizabeth.coleman@westwicke.com

- Tables to Follow -

Lisata Therapeutics, Inc. Selected Financial Data (in thousands, except per share data)

	Three Months Ended June 30,				Six Months Ended June 30,			
	2024		2023		2024		2023	
		(unaudited)	_	(unaudited)		(unaudited)		(unaudited)
Statement of Operations Data:								
Research and development	\$	2,601	\$	3,162	\$	5,842	\$	6,341
General and administrative		2,922		3,713		6,282		7,378
Total operating expenses		5,523		6,875		12,124		13,719
Operating loss		(5,523)		(6,875)		(12,124)	_	(13,719)
Investment income, net		493		668		1,082		1,338
Other expense, net		(14)		(150)		(201)		(163)
Net loss before benefit from income taxes and noncontrolling interests		(5,044)		(6,357)		(11,243)		(12,544)
Benefit from income taxes				(2,330)		(798)		(2,330)
Net loss		(5,044)		(4,027)		(10,445)		(10,214)
Less - net income attributable to noncontrolling interests		—		_		_		—
Net loss attributable to Lisata Therapeutics, Inc. common stockholders	\$	(5,044)	\$	(4,027)	\$	(10,445)	\$	(10,214)
· · ·								
Basic and diluted loss per share attributable to Lisata Therapeutics, Inc. common stockholders	\$	(0.61)	\$	(0.50)	\$	(1.26)	\$	(1.28)
Weighted average common shares outstanding		8,308		8,021		8,301		8,004

	June 30, 2024	December 31, 2023
	(unaudited)	
Balance Sheet Data:		
Cash, cash equivalents and marketable securities	\$38,262	\$50,535
Total assets	42,571	54,694
Total liabilities	4,576	6,800
Total equity	37,995	47,894

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Targeted Therapy Delivered

David J. Mazzo, Ph.D. President and Chief Executive Officer

Corporate Presentation | August 12, 2024 Nasdaq: LSTA

www.lisata.com

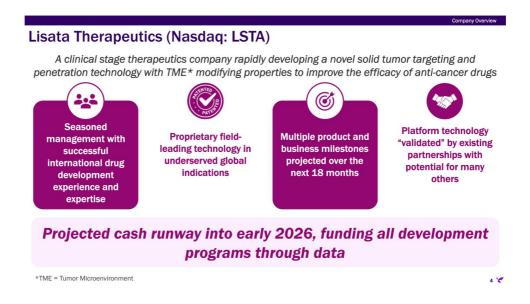


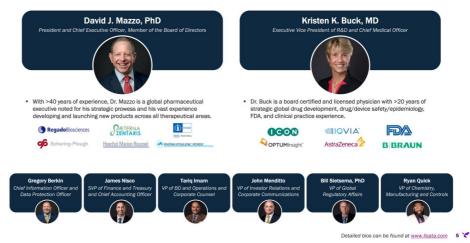
Lisata Therapeutics, Inc. 2024. All rights reserved.

Forward-looking statements advisory

This presentation contains "forward-looking statements" that involve substantial risks and uncertainties for purposes of the safe harbor provided by the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, included in this communication regarding strategy, future operations, future financial position, future revenue, projected expenses, prospects, plans and objectives of management are forward-looking statements. In addition, when or if used in this communication, the words "may," "could," "should," "anticipate," "believe," "estimate," "expect," "intend," "plan," "predict", "target" and similar expressions and their variants, as they relate to Lisata or its management, may identify forward-looking statements. Examples of forward-looking statements include, but are not limited to, statements relating to Lisata's continued listing on the Nasdaq Capital Market; expectations regarding the capitalization, resources and ownership structure of Lisata; the approach Lisata is taking to discover, develop and commercialize novel therapeutics; the adequacy of Lisata's capital to support its future operations and its ability to successfully initiate and complete clinical trials; and the difficulty in predicting the time and cost of development of Lisata's product candidates. Actual results could differ materially from those contained in any forward-looking statement as a result of various factors, including, without limitation: the safety and efficacy of Lisata's product candidates, decisions of regulatory authorities and the timing thereof, the duration and impact of regulatory delays in Lisata's clinical programs, Lisata's ability to finance its poreations, the likelihood and timing of the receipt of future milestone and licensing fees, the future success of Lisata's scherific sudies, Lisata's ability to successfully evelop and commercialize drug candidates, the timing for starting and completing clinical trials, rapid technological change in Lisata's markets, the ab







Seasoned leadership with proven track record in drug approvals worldwide

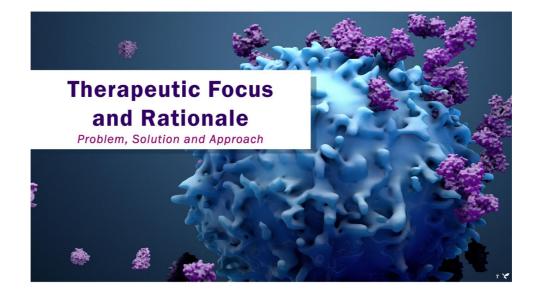
Company Overview

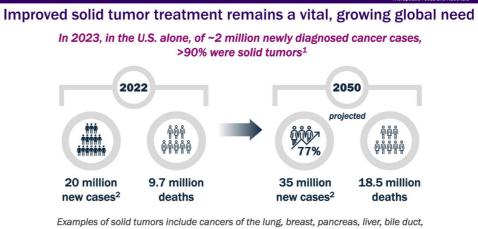
Accomplished, industry veteran, independent board directors



Detailed bios can be found at www.lisata.com 6 🏹

Company Overview



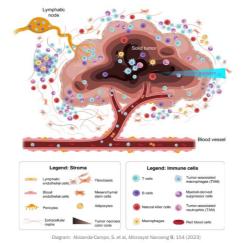


kidneys, ovaries, brain, colon, prostate, esophagus, and head & neck

8 🏹

¹ https://seer.cancer.gov/staffacts/html/common.html: data retrieved November 2, 2023.
² https://go.larc.who.imt/tomorow/en/datavis/tables?mode=population&years=2050&types=1&populations=903_904_905_908_909_935_900; data retrieved Feb 12, 2024.

Current solid tumor treatments & patient outcomes are suboptimal



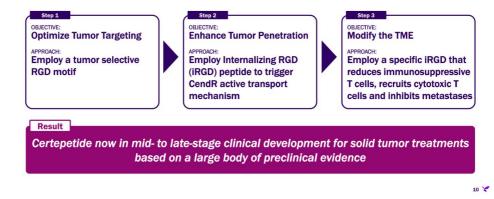
A challenging tumor microenvironment complicates "targeting" and "penetration"

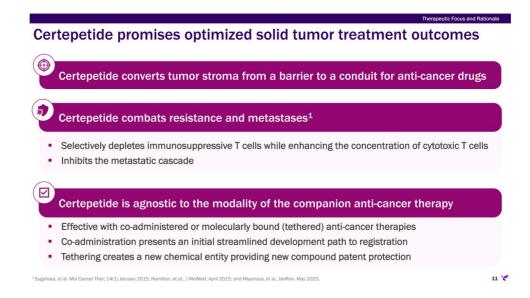
- Tumor stroma acts as a physical barrier to anti-cancer agents
- An immunosuppressive tumor microenvironment (TME) contributes to tumor resistance and/or metastases
- Prolonged or escalated dosing of non-targeted anti-cancer therapies generally leads to intolerable off-target side effects

Maximizing solid tumor treatment success

A rational drug development approach to overcoming the obstacles to achieving optimized outcomes for patients with solid tumors

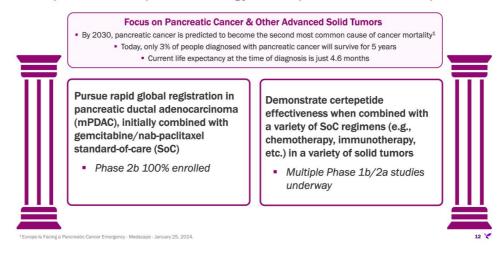
Therapeutic Focus and Rationale





Certepetide development strategy is composed of two main pillars

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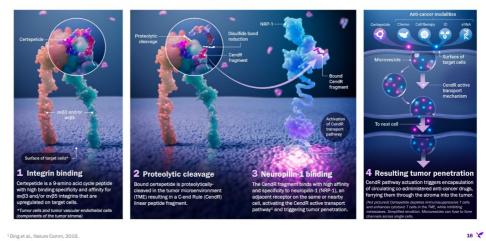




By indication, modality of co-administered drug(s), and/or geography



Certepetide selective tumor targeting & penetration mechanism of action



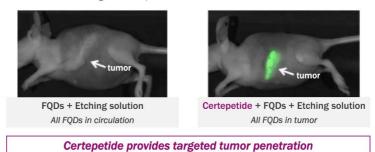
¹Ding et al., Nature Comm, 2019.

Certepetide - Strong Scientific Foundation and Rationale

Certepetide selectively and efficiently facilitates intratumoral penetration

Whole body imaging of mice with pancreatic ductal adenocarcinoma (arrow) dosed with Fluorescent Quantum Dots (FQDs) with and without certepetide

- Circulating FQDs result in whole body fluorescence
- Etching solution quenches fluorescence in circulation

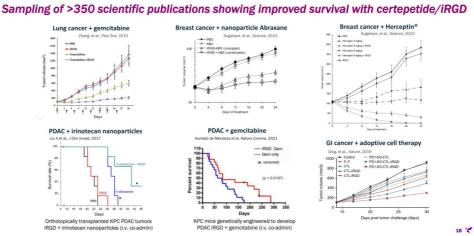


¹Braun et al., Nature Mater. 2014.
²Liu, Braun et al., Nature Comm. 2017.

17 🏹

Certepetide - Strong Scientific Foundation and Ration

Certepetide/iRGD activity & broad applicability consistently demonstrated



Certepetide - Strong Scientific Foundation and Rationale

Certepetide Ph 1b/2a results: Compelling improvement of SoC efficacy

Endpoints	Gemcitabine + Nab-paclitaxel ¹	Certepetide + Gemcitabine + Nab-paclitaxel ²	ዳዮዳ
N= # of study participants	N=431	N=31	First-line, mPDAC patients
Median Overall Survival	8.5 mos.	13.2 mos.	from 3 sites in Australia
Median Progression-Free Survival	5.5 mos.	9.7 mos.	
Objective Response Rate	23% (99)	59% (17)	
Complete Response	0.2% (1)	3.4% (1)	
Partial Response	23% (98)	55% (16)	
Stable Disease	27% (118)	31% (9)	 Certepetide well-tolerated with
Progressive Disease	20% (86)	10.3% (3)	no dose-limiting toxicities
Disease Control Rate 16 weeks	48%	79%	 Safety of certepetide + SoC
CA19-9 >20% drop	61%	96%	consistent with SoC alone

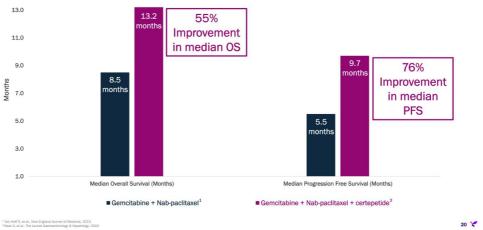
¹ Von Hoff D, et al., New England Journal of Medicine, 2013. ² Dean A, et al., The Lancet Gastroenterology & Hepatology, 2022.

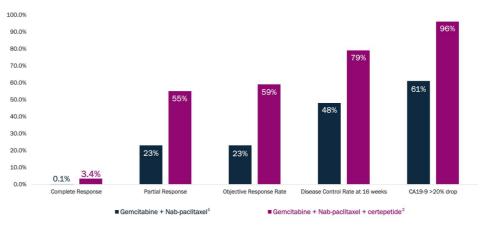
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Certepetide - Strong Scientific Foundation and Rationale

Certepetide Ph 1b/2a results: Improved survival vs. SoC alone

epetide - Strong Scientific Foundation and Rationale



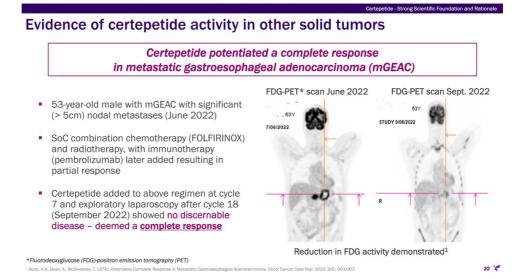




¹ Von Hoff D, et al., New England Journal of Medicine, 2013.
² Dean A, et al., The Lancet Gastroenterology & Hepatology, 2022

21 🏹

Certepetide - Strong Scientific Foundation and Rationale





Certepetide regulatory designations and implications

FDA Fast Track Designation

Designation from FDA for

with and program-specific

Priority Review and Rolling

pancreatic cancer

guidance from FDA

Review

Certepetide received Fast Track

More frequent communication

Eligible for Accelerated Approval,

FDA Rare Pediatric Disease Designation

- Certepetide received <u>Rare</u> <u>Pediatric Disease Designation</u> from FDA for osteosarcoma
- Eligible for <u>Priority Review Voucher</u> that can be redeemed to receive a priority review for any subsequent marketing application, or may be sold or transferred
- Historically, vouchers have sold for \$350 million USD and, more recently, have sold for \$75-\$100 million USD

Orphan Drug Designation

e – Clinical / Regulatory Development Portfolio

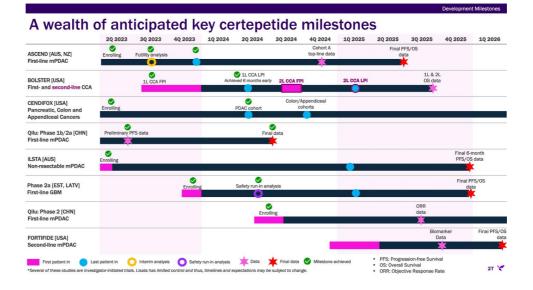
- Certepetide received <u>Orphan</u> <u>Drug Designation</u> from FDA and EMA for pancreatic cancer, from FDA for malignant glioma, and from FDA for osteosarcoma
- Incentives such as tax credits, marketing exclusivity, fee waivers and grant eligibility to support clinical trials
- Specialized regulatory assistance from FDA's Office of Orphan Products Development

Certepetide capital efficient development plan

Sponsor(s) Indication		Description	Current Phase			
epeneer(e)			Phase 1 Phase 2	Phase 3		
AGITG/Lisata	First-line mPDAC	ASCEND: Phase 2b, placebo-controlled trial (N=158) Gemcitabine/nab-paclitaxel + certepetide or placebo Australia/New Zealand	Enroliment complete			
Lisata	First- and Second-line Cholangiocarcinoma (CCA)	BOLSTER: Phase 2a, placebo-controlled trial (N=80) IL CCA: Gemcitabine/cisplatin/durvalumab with certepetide or placebo 2L CCA: FOLFOX with certepetide or placebo United States	1L CCA Enrollment complete 2L CCA Enrolling soon			
KUCC/Lisata nvestigator-initiated trial	Pancreatic, Colon, and Appendiceal Cancers	CENDIFOX: Phase 1b/2a, open-label trial (N=51) FOLFIRINOX + panitumumab* + certepetide United States	Enrolling			
Qilu/Lisata	First-line mPDAC	 Phase 1b/2a, open-label trial (N=41) Gemcitabine/nab-paclitaxel + certepetide China 	Enrollment complete			
WARPNINE/Lisata	Locally advanced, non- resectable PDAC	ILSTA: Phase 1b/2a, open-label trial (N=30) Gemcitabine/nab-paclitaxel/durvalumab + certepetide Australia	Enrolling			
Tartu University/Lisata nvestigator-initiated trial	First-line Glioblastoma Multiforme (GBM)	 Phase 2a, placebo-controlled trial (N=30) Temozolomide +/- certepetide Estonia/Latvia 	Enrolling			
Qilu/Lisata	First-line mPDAC	Phase 2, placebo-controlled trial (N=120) Gemcitabine/nab-paclitaxel + certepetide China	Enrolling			
Lisata	Second-line mPDAC	FORTIFIDE: Phase 1b/2a placebo-controlled trial (N=30) Gemcitabine/nab-paclitaxel + continuous infusion of certepetide/placebo United States	Enrolling soon			
Panitumumah may be added	for colorectal or appendiceal patie	inte without Pae mutation		25		

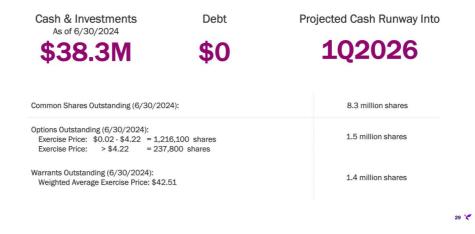
Certepetide – Clinical / Regulatory Development Portfolio







Capital projected to fund all clinical programs to data



Financial Highlights



Key factors supporting investment in Lisata Therapeutics



* As of 6/30/2024; includes investments

Strong Investment Rationale

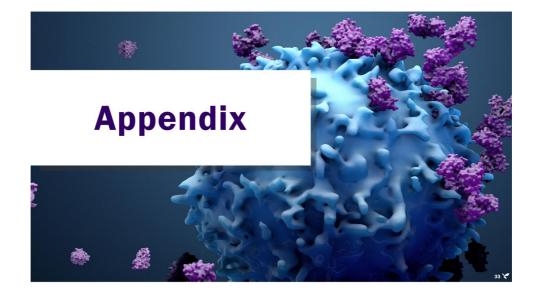




Targeted Therapy Delivered

Investor Relations Contact: John D. Menditto VP, IR & Corporate Communications o: (908) 842-0084 | e: jmenditto@lisata.com

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Certepetide capital efficient development plan

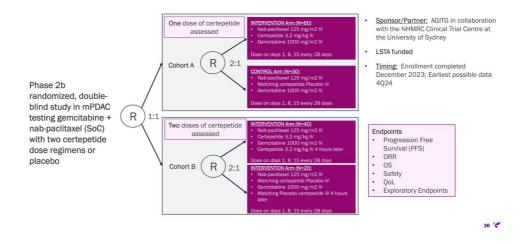
Development Partner(s) [Development Venue]	Indication and Trial Product/Comparator	Stage of Development	Strategic Rationale
Lisata/AGITG [Australia/New Zealand]	First-line mPDAC; Gemcitabine/nab-paclitaxel with certepetide or placebo	Phase 2b (ASCEND)	Corroborate Phase 1b results in a placebo-controlled trial and evaluate 2 dose regimens of certepetide for dose optimization
Lisata [United States]	First- and Second-line Cholangiocarcinoma (CCA); 1L CCA: Gemcitabine/cisplatin/durvalumab + certepetide or placebo 2L CCA: FOLFOX + certepetide or placebo	Phase 2a (BOLSTER)	Assess certepetide safety and effectiveness in cholanglocarcinoma in a placebo-controlled trial (proof-of-concept)
KUCC/Lisata* [United States]	Pancreatic, Colon & Appendiceal Cancers; FOLFIRINOX + panitumumab** with certepetide	Phase 1b/2a (CENDIFOX)	Tumor immuno-profiling pre- & post- treatment and certepetide effectiveness assessment in combination with chemo and an EGFR inhibitor (open-label)
Qilu [China]	First-line mPDAC; Gemcitabine/nab-paclitaxel + certepetide	Phase 1b/2a	Assess safety, PK and therapeutic effect of certepetide in Chinese patients (open-label)
WARPNINE/Lisata [Australia]	Locally Advanced, Non-Resectable PDAC; Gemcitabine/nab-paclitaxel/durvalumab + certepetide	Phase 1b/2a (ILSTA)	Assess certepetide safety and effectiveness in combination with IC & Chemo in locally advanced PDAC; determine if inoperable tumor can become operable (open-label)
fartu University/Lisata* [Estonia/Latvia]	First-line Glioblastoma Multiforme (GBM); Temozolomide +/- certepetide	Phase 2a	Assess certepetide safety and effectiveness in additional tumor type (GBM) in a placebo-controlled trial
Qilu [China]	First-line mPDAC; Gemcitabine/Nab-paclitaxel + certepetide	Phase 2b	Continue development of certepetide in China (placebo controlled)
Lisata [United States]	Second-line mPDAC; Gemcitabine/nab-paciitaxel + continuous infusion of certepetide or placebo	Phase 1b/2a (FORTIFIDE)	Evaluate the safety, tolerability, and efficacy of a 4-hour continuou: infusion of certepetide in combination with SoC in subjects with mPDAC who have progressed on FOLFIRINOX. Haystack MRD TM technology to measure ctDNA for early efficacy exploration.
*Investigator-initiated trial **Panitumumab may be added fo	r colorectal or appendiceal patients without Ras mutation		34 🗙

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ASCEND: Phase 2b, blinded, randomized trial in mPDAC

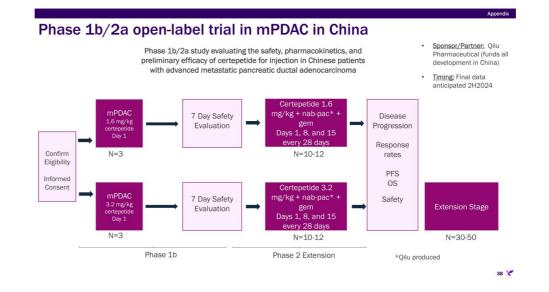
Sponsor/Partner	 Australasian Gastro-Intestinal Trials Group (AGITG) in collaboration with the NHMRC Clinical Trials Centre at the University of Sydney Lisata funded (LSTA eligible for ~43% rebate on all qualified R&D expenses in AUS)
Objective	Corroborate Phase 1b results in a placebo-controlled studyDetermine if a second dose of certepetide further improves patient outcomes
Design	 Phase 2b randomized, double-blind study in mPDAC testing gemcitabine + nab-paclitaxel SoC with one of two certepetide dose regimens or placebo
Study Size	 N=158 (~30 sites in Australia and New Zealand)
Endpoints	 Primary: Progression Free Survival Secondary: AEs, SAEs, Overall Survival, Objective Tumor Response Rate
Timing	Enrollment completed December 2023Earliest possible data 4Q24

ASCEND: Phase 2b, blinded, randomized trial in mPDAC



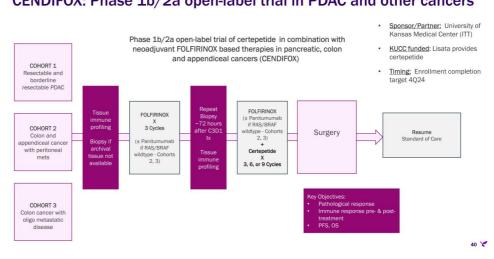
Phase 1b/2a open-label trial in mPDAC in China

Sponsor/Partner	Qilu Pharmaceutical (funds all development in China)
Objective	 Evaluate safety, pharmacokinetics and preliminary efficacy of certepetide added to SoC in Chinese patients with mPDAC
Design	 Phase 1b/2a open-label study in advanced mPDAC patients of Chinese ethnicity testing SoC chemotherapy (gemcitabine + Qilu-produced nab-paclitaxel) in combination with certepetide
Study Size	 N=50 (~15 sites)
Endpoints	 Primary: AEs, SAEs, Objective Response Rate, Duration of Response, Disease Control Rate, Overall Survival, and Progression Free Survival Secondary: Pharmacokinetic parameters
Timing	Final data anticipated 2H2024



CENDIFOX: Phase 1b/2a open-label trial in PDAC and other cancers

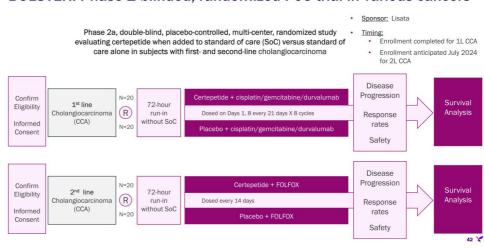
Sponsor/Partner	 University of Kansas Medical Center (Investigator initiated trial in U.S.) KUCC funded; Lisata provides certepetide
Objective	 Evaluate the safety and therapeutic effect of certepetide in combination with neoadjuvant FOLFIRINOX- based therapies and an EGFR inhibitor for the treatment of pancreatic, colon and appendiceal cancers and determine immuno-profiling in tumor pre- & post- treatment
Design	 Phase 1b/2a open-label study in resectable pancreatic, colon with oligo metastases and appendiceal with peritoneal metastases cancers testing SoC chemotherapy (neoadjuvant FOLFIRINOX-based therapies) with certepetide ± panitumumab
Study Size	N=51 (21 PDAC, 15 colon and 15 appendiceal)
Endpoints	 Primary: Drug Safety Secondary: Overall Survival, Disease-free Survival, Overall Response Rate, RO Resection Rate, Pathological Response Rate
Timing	Enrollment completion target 4Q24



CENDIFOX: Phase 1b/2a open-label trial in PDAC and other cancers

BOLSTER: Phase 2 blinded, randomized trial in Cholangiocarcinoma

Sponsor/Partner	Lisata (U.S.)
Objective	 Evaluate the preliminary efficacy, safety and tolerability of certepetide in combination with standards of care in subjects with first- and second-line cholangiocarcinoma
Design	 Phase 2 randomized, double-blind, placebo-controlled, proof-of-concept trial in first- and second-line cholangiocarcinoma testing corresponding SoC with certepetide or placebo
Study Size	 N=80 (N=40 per tumor type) 1:1 SoC + certepetide or SoC + placebo
Endpoints	Primary: OSSecondary: Safety, ORR, PFS
Timing	 Enrollment completed for 1L CCA Enrollment anticipated July 2024 for 2L CCA
	41 🌾



BOLSTER: Phase 2 blinded, randomized PoC trial in various cancers

Phase 2 double-blind, placebo-controlled trial in mPDAC in China

Sponsor/Partner	Qilu Pharmaceutical (funds all development in China)	
Objective	 Further evaluate safety and therapeutic efficacy of certepetide when added to SoC in Chinese patients with locally advanced unresectable mPDAC 	
Design	 Phase 2b, double-blind, placebo-controlled, randomized study evaluating certepetide + SoC (Qilu-produced nab-paclitaxel and gemcitabine) vs. placebo + SoC 	
Study Size	 N=120 (1:1 SoC + certepetide or SoC + placebo) 	
Endpoints	 Objective response rate, progression free survival, duration of response, disease control rate, overall survival Safety 	
Timing	 Trial initiated 2Q24 43 	

Phase 2 blinded, placebo-controlled trial in mPDAC in China

Phase 2b, double-blind, placebo-controlled, randomized, multicenter study evaluating the safety and efficacy of certepetide when added to standard of care (nab-paclitaxel and gemcitabine) vs. standard of care alone and placebo in Chinese subjects with locally advanced unresectable mPDAC <u>Sponsor/Partner</u>: Qilu Pharmaceutical (funds all development in China)

Appendix

• Timing: Trial initiated 2024

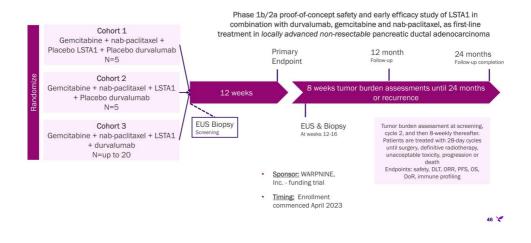


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iLSTA: Phase 1b/2a trial in locally advanced PDAC with chemo & IO

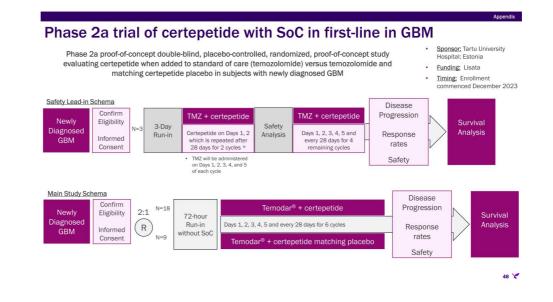
Sponsor/Partner	 WARPNINE, Inc. (registered charity in Australia) is funding trial Lisata providing study drug
Objective	 Evaluate safety and therapeutic effect of LSTA1 in combination with IO & Chemo in locally advanced non-resectable pancreatic ductal adenocarcinoma (PDAC); determine if inoperable tumors can become operable
Design	 Phase 1b/2a proof-of-concept safety and early efficacy study of LSTA1 in combination with durvalumab, gemcitabine and nab-paclitaxel, as first-line treatment in <i>locally advanced</i> non-resectable pancreatic adenocarcinoma
Study Size	• N=30
Endpoints	 Safety and tolerability; 28-day DLTs Objective response rate, PFS, OS, duration of response, immune cell infiltration
Timing	Enrollment commenced April 2023
	45 🛠

iLSTA: Phase 1b/2a trial in locally advanced PDAC with chemo & IO



Phase 2a trial of certepetide with SoC in first-line GBM

Sponsor/Partner	 Tartu University Hospital (Investigator initiated trial in Estonia) Lisata providing study drug and funding trial
Objective	 Evaluate safety, tolerability, and therapeutic effect of certepetide in combination with standard-of-care (temozolomide) in patients with previously untreated Glioblastoma Multiforme
Design	 Phase 2a proof-of-concept, double-blind, placebo-controlled, randomized study evaluating certepetide when added to standard of care (temozolomide) versus SoC and placebo in subjects with newly diagnosed Glioblastoma Multiforme (GBM)
Study Size	 N=30 total (N=3 safety run-in, N=18 in main study schema)
Endpoints	 Safety, tolerability ORR, PFS, OS, disease control rate
Timing	 Enrollment commenced December 2023 47 X



FORTIFIDE: Phase 1b/2a continuous infusion study of certepetide

Sponsor/Partner	 Lisata (U.S. only)
Objective	 Evaluate the safety, tolerability, pharmacodynamics, pharmacokinetics, and efficacy of certepetide when given as a 4-hour continuous infusion in combination with SoC in subjects with second-line mPDAC who have progressed on FOLFIRINOX. Haystack Oncology MRD[™] technology to measure ctDNA for early efficacy exploration.
Design	 Phase 1b/2a, double-blind, placebo-controlled, three-arm, randomized study evaluating the following treatment arms in subjects with second-line mPDAC who have progressed on FOLFIRINOX: an intravenous push of certepetide with continuous 4-hour infusion + SoC a single intravenous push of certepetide with continuous infusion of matching placebo + SoC
Study Size	an intravenous push of matching placebo with a continuous infusion of matching placebo + SoC N=30
Endpoints	Safety and tolerabilityPFS, OS
Timing	 First patient treated target 4Q24

FORTIFIDE: Phase 1b/2a continuous infusion study of certepetide

