

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

May 9, 2023  
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)
- 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

o 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 May 9, 2023, Lisata Therapeutics, Inc. (the "Company") issued a press release in connection with its financial results for the first quarter ended March 31, 2023. 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.**

<b>Exhibit No.</b>	<b>Description</b>
<a href="#">99.1</a>	Press Release, dated May 9, 2023
<a href="#">99.2</a>	Lisata Therapeutics, Inc. Corporate Presentation, May 9, 2023

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**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: /s/ David J. Mazzo  
Name: David J. Mazzo, PhD  
Title: Chief Executive Officer

Dated: May 9, 2023

## Lisata Therapeutics Reports First Quarter 2023 Financial Results and Provides Business Update

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

**BASKING RIDGE, NJ (May 9, 2023)** – 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, provides a business update and reports financial results for the three months ended March 31, 2023.

“During the first quarter of 2023, our team continued its focus on the advancement of multiple ongoing and planned clinical studies evaluating LSTA1, our lead investigational product,” stated David J. Mazzo, Ph.D., Chief Executive Officer of Lisata. “We expect to report progress on several of these activities over the coming months and quarters. Just recently, we, along with our research partner, WARPNINE, announced the treatment of the first patient in the iLSTA Trial in Australia evaluating LSTA1 in combination with standard-of-care chemotherapy and immunotherapy as a first-line treatment in locally advanced non-resectable pancreatic ductal adenocarcinoma. We are hopeful that this and our other trials will continue to show the potential of LSTA1 in combination with corresponding standards-of-care as well as with emerging treatment modalities, such as immunotherapies, as an effective treatment against various solid tumors.

Dr. Mazzo continued, “Our overarching goal is to report meaningful clinical data to benefit patients and to support our development pipeline in the most expeditious manner possible. Positive data should also bring value to shareholders and encourage additional partnering opportunities.”

### **Development Portfolio Update**

#### **LSTA1 as a treatment for solid tumor cancers in combination with other anti-cancer agents**

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. LSTA1 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, while normal tissues are not expected to be affected. LSTA1 also has the potential to modify the tumor microenvironment, with the objective of making tumors more susceptible to immunotherapies. We and our collaborators have amassed significant non-clinical data demonstrating enhanced delivery of a range of existing and emerging anti-cancer therapies, including chemotherapeutics, immunotherapies, and RNA-based therapeutics. To date, LSTA1 has also demonstrated favorable safety, tolerability and activity in completed and ongoing clinical trials designed to test its ability to enhance delivery of standard-of-care chemotherapy for pancreatic cancer. Currently, LSTA1 is the subject of Phase 1b/2a and 2b clinical studies being conducted globally in metastatic pancreatic ductal adenocarcinoma in combination with each of the two standards-of-care for this disease. The combination of LSTA1 with corresponding standards-of-care in other solid tumor indications is planned for clinical study commencing before the end of the second quarter of 2023.

#### **HONEDRA® (LSTA12) for the treatment of critical limb ischemia (“CLI”)**

- HONEDRA® is the Company’s SAKIGAKE-designated product candidate for the treatment of CLI and Buerger’s disease in Japan, which is now in the pre-consultation phase of the registration process

with the Pharmaceuticals and Medical Devices Agency (“PMDA”) in Japan. Data from the follow-up of all patients completed in the registration-eligible clinical trial in Japan have been compiled and are the subject of discussions with the PMDA as part of the Japanese regulatory pre-consultation process and in preparation for the formal clinical consultation meetings which precede a Japanese new drug application. To date, the PMDA has provided advice on how to prepare for the formal consultation meeting. Concomitantly, the Company has reinforced its efforts to secure a partner to complete the remaining steps of development/registration and potential commercialization in Japan through the engagement of an advisory firm specializing in Japanese partnerships.

#### **LSTA201 for the treatment of diabetic kidney disease (“DKD”)**

The Company initiated a Phase 1b, open-label, proof-of-concept trial evaluating LSTA201, a CD34+ regenerative cell therapy investigational product, for intra-renal artery administration in patients with DKD. Preclinical studies in kidney disease and injury models have demonstrated that protecting or replenishing the microcirculation of the kidney may result in improved kidney function. A key criterion for continued development of LSTA201 was determined, a priori, to be the ability of LSTA201 to regenerate kidney function as indicated by increased Glomerular Filtration Rate. The Company treated the first patient in the LSTA201 proof-of-concept study in April 2022 and completed treatment for all six subjects during the third quarter of 2022. Top line results, which were reported on February 6, 2023, showed that LSTA201 was safe and well-tolerated by patients with no serious adverse events related to the therapy. However, the study did not demonstrate a consistent improvement in kidney function among patients. Nevertheless, the Company, based on the encouragement of the study’s principal investigator/key opinion leader, believes there may still be potential for use of CD34+ cell therapy for the treatment of DKD. However, it is expected that further development of LSTA201 would require significantly larger studies and capital investment. Thus, LSTA201 development will only be continued if a strategic partner that can contribute the necessary capital for future development is identified.

#### **First Quarter 2023 Financial Highlights**

Research and development expenses were approximately \$3.2 million for the three months ended March 31, 2023, compared to \$3.3 million for the three months ended March 31, 2022, representing a decrease of \$0.1 million or 3.2%. This was primarily due to expenses associated with our XOWNA® Phase 2b study (the FREEDOM Trial) in the prior year, partially offset by study start up activities in the current year associated with the planned LSTA1 Phase 2 proof-of-concept basket trial in various solid tumors in combination with the corresponding standards of care, enrollment activities for the LSTA1 Phase 2b ASCEND study and chemistry, manufacturing and control activities for LSTA1.

General and administrative expenses were approximately \$3.7 million for the three months ended March 31, 2023, compared to \$3.3 million for the three months ended March 31, 2022, representing an increase of \$0.3 million or 9.8%. This was primarily due to the addition of one employee acquired through the Company’s merger with Cend Therapeutics, Inc., an increase in external legal fees and an increase in accounting and tax-related fees.

Overall, net losses were \$6.2 million for the three months ended March 31, 2023, compared to \$4.2 million for the three months ended March 31, 2022.

#### **Balance Sheet Highlights**

As of March 31, 2023, the Company had cash, cash equivalents and marketable securities of approximately \$61.1 million. These figures do not include the recently announced \$2.2 million in non-dilutive funding received as an approved participant of the Technology Business Tax Certificate Transfer Program (the “Program”) sponsored by the New Jersey Economic Development Authority, which will be recorded in the

second quarter of 2023. The Program enables qualifying New Jersey-based biotechnology or technology companies to sell a percentage of their New Jersey net operating losses and research and development tax credits to unrelated qualifying corporations. The Company is confident that its projected capital will fund its operations into the first quarter of 2026 encompassing anticipated data milestones from all of its ongoing and planned clinical trials.

#### **Conference Call Information**

Lisata will hold a live conference call today, May 9, 2023, 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: <https://register.vevent.com/register/B10ea7c01f84154b159cddca509bd575cd>. 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 fifteen 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 lead product candidate, LSTA1, is an investigational drug designed to activate a novel uptake pathway that allows co-administered or tethered anti-cancer drugs to target and penetrate solid tumors more effectively. LSTA1 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, while normal tissues are not affected. LSTA1 also has the potential to modify the tumor microenvironment, with the objective of making tumors more susceptible to immunotherapies. LSTA1 has demonstrated favorable safety, tolerability, and activity in clinical trials to enhance delivery of standard-of-care chemotherapy for pancreatic cancer. Lisata and its collaborators have also amassed significant non-clinical data demonstrating enhanced delivery of a range of existing and emerging anti-cancer therapies, including chemotherapeutics, immunotherapies and RNA-based therapeutics. Lisata is exploring the potential of LSTA1 to enable a variety of treatment modalities to treat a range of solid tumors more effectively. For more information on the Company, please visit [www.lisata.com](http://www.lisata.com).

#### **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 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" 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 the long-term success of Lisata's recently completed Merger, including the ongoing integration of Cend's operations; 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: the ongoing COVID-19 pandemic on Lisata's business, 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; unexpected costs, charges or expenses resulting from the Merger; potential adverse reactions or changes to business relationships resulting from the completion of the Merger; potential underperformance of Lisata's business following the Merger as compared to management's initial expectations; and legislative, regulatory, political and economic developments. The foregoing review of important factors that could cause actual events to differ from expectations should not be construed as exhaustive and should be read in conjunction with statements that are included herein and elsewhere, including the risk factors included in Lisata's Annual Report on Form 10-K filed with the SEC on March 30, 2023, and in other documents filed by Lisata with the Securities and Exchange Commission. Except as required by applicable law, Lisata undertakes no obligation to revise or update any forward-looking statement, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise.

**Contact:**

Investors and Media:

Lisata Therapeutics, Inc.

John Menditto

Vice President, Investor Relations and Corporate Communications

Phone: 908-842-0084

Email: [jmenditto@lisata.com](mailto:jmenditto@lisata.com)

- Tables to Follow -

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

(in thousands, except per share data)	Three Months Ended Mar 31,	
	2023	2022
	(unaudited)	(unaudited)
<b>Statement of Operations Data:</b>		
Research and development	\$ 3,179	\$ 3,283
General and administrative	3,665	3,337
<b>Total operating expenses</b>	<b>6,844</b>	<b>6,620</b>
<b>Operating loss</b>	<b>(6,844)</b>	<b>(6,620)</b>
Investment income, net	670	63
Other expense, net	(13)	(148)
<b>Net loss before benefit from income taxes and noncontrolling interests</b>	<b>(6,187)</b>	<b>(6,705)</b>
Benefit from income taxes	—	(2,479)
<b>Net loss</b>	<b>(6,187)</b>	<b>(4,226)</b>
Less - net income attributable to noncontrolling interests	—	—
<b>Net loss attributable to Lisata Therapeutics, Inc. common stockholders</b>	<b>\$ (6,187)</b>	<b>\$ (4,226)</b>
<b>Basic and diluted loss per share attributable to Lisata Therapeutics, Inc. common stockholders</b>	<b>\$ (0.77)</b>	<b>\$ (1.05)</b>
<b>Weighted average common shares outstanding</b>	<b>7,987</b>	<b>4,037</b>

	March 31, 2023	December 31, 2022
	(unaudited)	
<b>Balance Sheet Data:</b>		
Cash, cash equivalents and marketable securities	\$61,095	\$69,226
Total assets	66,326	73,034
Total liabilities	5,623	6,710
Total equity	60,703	66,324

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Exhibit 99.2



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## Targeted Therapy *Delivered*

David J. Mazzo, Ph.D.  
*Chief Executive Officer*

Corporate Presentation | May 9, 2023  
Nasdaq: LSTA

[www.lisata.com](http://www.lisata.com)



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## Forward-looking Statements

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**Company Overview**

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**Nasdaq-listed clinical stage  
therapeutics development  
company with a novel solid  
tumor targeting and penetration  
technology to improve the  
efficacy of anti-cancer drugs**



## Experienced executive leadership team

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**David J. Mazzo, PhD**  
*Chief Executive Officer*



**Kristen Buck, MD**  
*EVP of R&D and Chief Medical Officer*



**Gregory Berkin**  
*Chief Informational Officer & Head of Cybersecurity*



**Tariq Imam**  
*VP of BD & Operations and Corporate Counsel*



**James Nisco**  
*VP of Finance and Treasury*



**John Menditto**  
*VP of IR and Corporate Communications*

*Please visit the management team page on the corporate website for more information: [www.lisata.com](http://www.lisata.com)*

## Investment rationale – key company differentiation

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Seasoned management  
with successful drug  
development experience  
and expertise



Proprietary field-leading  
technology in underserved  
global indications



Platform technology  
“validated” by existing  
partnerships with potential  
for many others



Multiple projected product  
and business milestones  
over the next 24 months



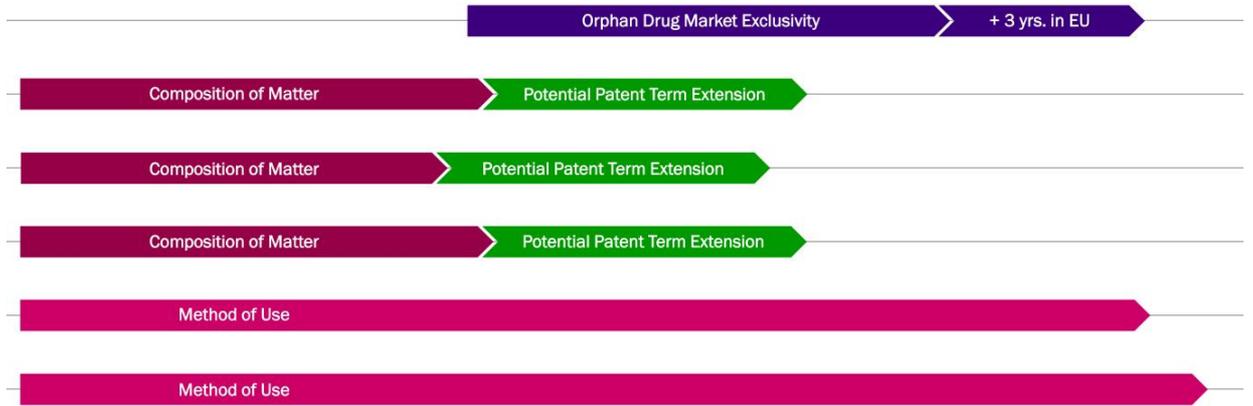
\$61.1 million cash\* - no  
debt; Development  
funded through critical  
milestones

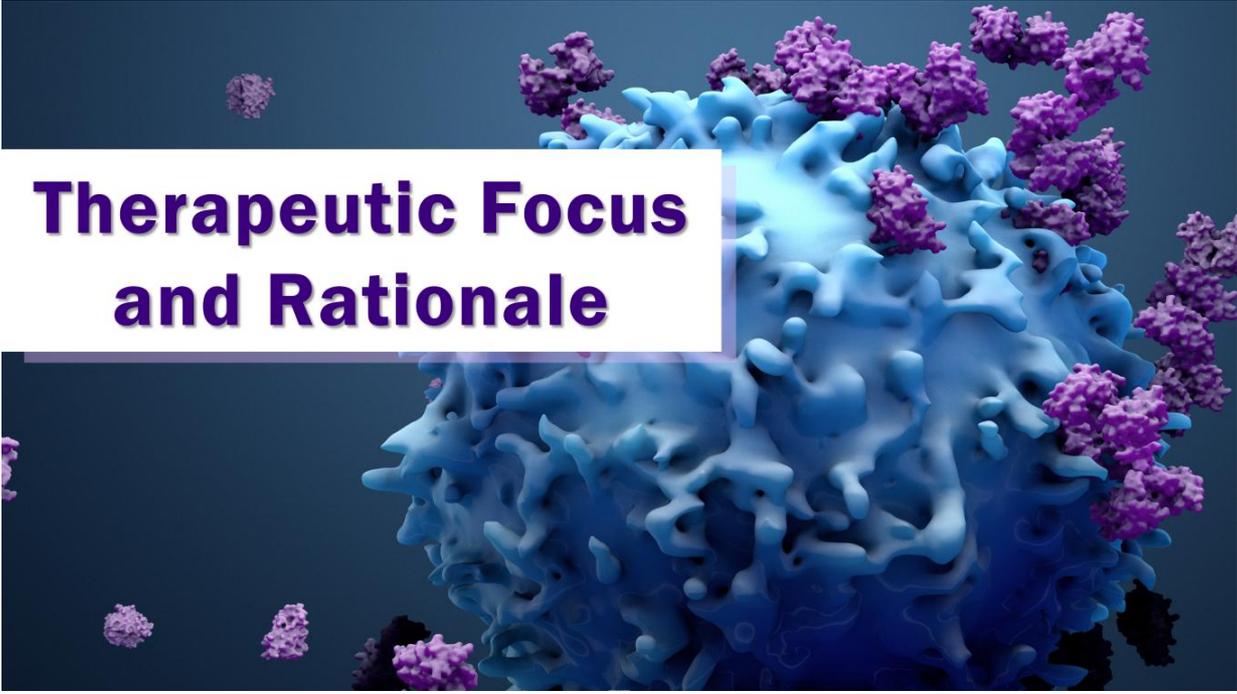
\* As of 03/31/2023; includes investments; does not include ~\$2.2 million received from sale of NJ NOLs post quarter close

# Lisata holds strong intellectual property portfolio for LSTA1

## *Patent extension opportunities could further bolster exclusivity*

2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041





**Therapeutic Focus  
and Rationale**

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## Improved cancer treatment is a vital global need

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A world map with a light blue background. Overlaid on the map is the text: "Cancer is a leading cause of death worldwide, accounting for nearly 10 million deaths in 2020, or nearly one in six deaths<sup>1</sup> - World Health Organization".

**Cancer is a leading cause of death worldwide,  
accounting for nearly 10 million deaths in 2020, or  
nearly one in six deaths<sup>1</sup>  
– *World Health Organization***

<sup>1</sup>[www.who.int/news-room/fact-sheets/detail/cancer](http://www.who.int/news-room/fact-sheets/detail/cancer)

# Solid tumor treatment is a large & growing market

## Estimated New Cancer Cases and Deaths in the United States, 2022<sup>1</sup>

### Estimated New Cases

		Males	Females		
Prostate	298,490	27%		Breast	287,850
Lung & bronchus	117,910	12%		Lung & bronchus	118,830
Colon & rectum	80,690	8%		Colon & rectum	70,340
Urinary bladder	61,700	6%		Uterine corpus	65,950
Melanoma of the skin	57,180	6%		Melanoma of the skin	42,600
Kidney & renal pelvis	50,290	5%		Non-Hodgkin lymphoma	36,350
Non-Hodgkin lymphoma	44,120	4%		Thyroid	31,940
Oral cavity & pharynx	38,700	4%		Pancreas	29,710
Leukemia	35,610	4%		Kidney & renal pelvis	28,710
Pancreas	32,970	3%		Leukemia	28,840
All sites	983,160	100%	All sites	934,870	

### Estimated Deaths

		Males	Females		
Lung & bronchus	68,620	21%		Lung & bronchus	61,360
Prostate	34,500	15%		Breast	43,250
Colon & rectum	28,400	9%		Colon & rectum	24,180
Pancreas	25,970	8%		Pancreas	23,860
Liver & intrahepatic bile duct	20,420	6%		Ovary	12,810
Leukemia	14,020	4%		Uterine corpus	12,550
Esophagus	13,250	4%		Liver & intrahepatic bile duct	10,100
Urinary bladder	12,120	4%		Leukemia	9,980
Non-Hodgkin lymphoma	11,700	4%		Non-Hodgkin lymphoma	8,550
Brain & other nervous system	10,710	3%		Brain & other nervous system	7,570
All sites	322,090	100%	All sites	287,270	

>1.9 million new cases of cancer will be diagnosed in 2022

In the U.S. alone, solid tumors account for >90% of new cancer cases

<sup>1</sup> CA A Cancer J Clinicians, Volume: 72, Issue: 1, Pages: 7-33, First published: 12 January 2022, DOI: (10.3322/caac.21708)

## Current solid tumor treatments offer inadequate results

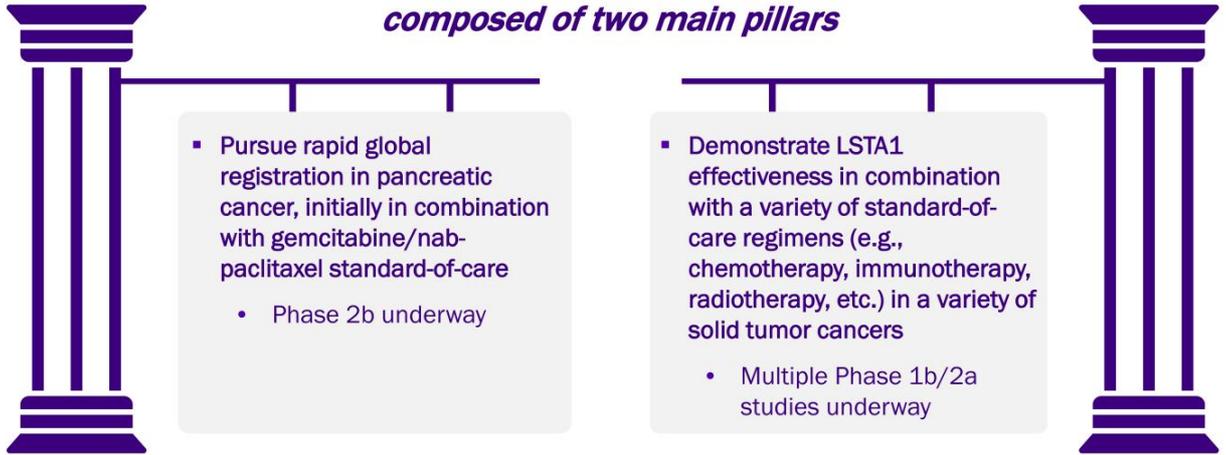
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- **Tumor targeting and intratumoral penetration are suboptimal**
  - Tumor stroma acts as an effective barrier to anti-cancer agents
  - Tumor microenvironment immunosuppressive cells contribute to tumor resistance and/or metastases
  - Continued or escalated dosing of non-targeted anti-cancer therapy can lead to intolerable off-target side effects

## ***Targeted penetration technology enhances drug delivery to solid tumors***

- Converts tumor stroma from *barrier to conduit*
  - Combination possible with most anti-cancer drugs
    - LSTA1 effectiveness agnostic to co-administered drug modality
  - Mechanism effective with co-administered or tethered anti-cancer therapies
    - Co-administration presents a streamlined development path to registration
    - Tethering provides for prolonged compound exclusivity (NCE)
- Resistance combated by selective depletion of intratumoral immunosuppressive cells

## *LSTA1 development strategy is composed of two main pillars*



A 3D molecular model of a protein complex, likely a virus or a large enzyme, rendered in light blue and purple. The structure is highly textured and complex, with many protrusions and indentations. The word "Partnerships" is overlaid on a white rectangular box in the upper left quadrant of the image.

# Partnerships

## Existing partnerships support LSTA1 promise and broad applicability

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### *Strategic partnership in China with Qilu Pharmaceutical*

- Exclusive rights to LSTA1 in China, Taiwan, Hong Kong and Macau
- Qilu assumes all development and commercialization responsibilities/costs in licensed territories
- Potential for up to \$220 million to Lisata for milestones & tiered double-digit royalties on sales



### *Clinical development collaborations exploring combinations with immunotherapy*

- LSTA1/gemcitabine/nab-paclitaxel treatment regimen ± durvalumab with **WARPNINE (AUS)**
- LSTA1/FOLFIRINOX treatment regimen ± nivolumab with **WARPNINE (AUS)**
- LSTA1/gemcitabine/nab-paclitaxel treatment regimen ± atezolizumab with **ROCHE**



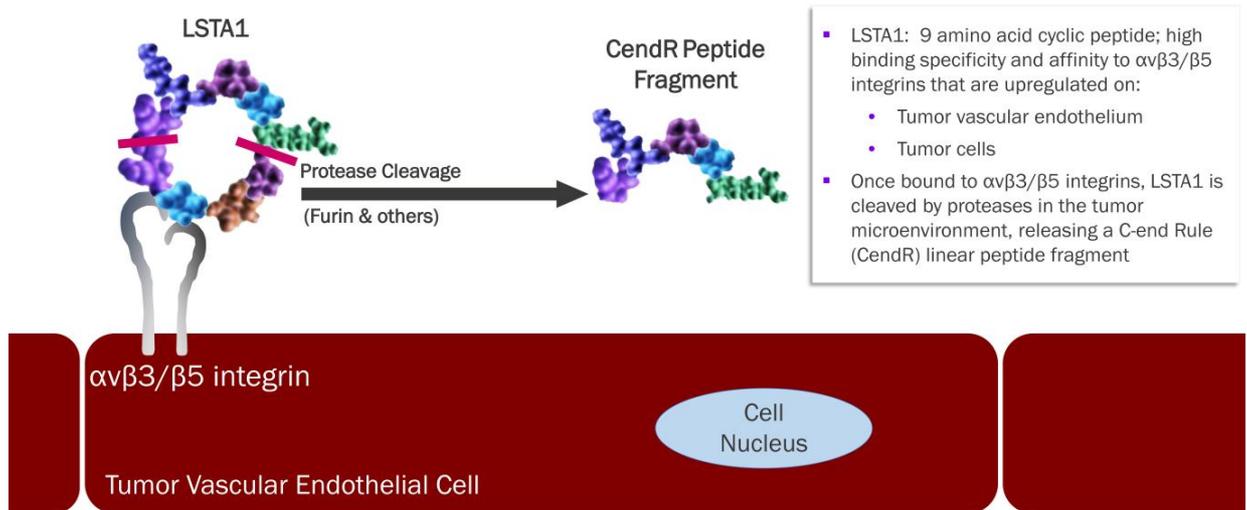
### *Additional partnership opportunities exist for many combinations with LSTA1 in a variety of indications*

A 3D molecular model of the LSTA1 protein structure. The protein is shown in a light blue color, with a complex, multi-domain structure. Several domains are highlighted in a vibrant purple color, indicating specific regions of interest. The background is a dark blue gradient, and there are several smaller, isolated purple clusters scattered around the main structure.

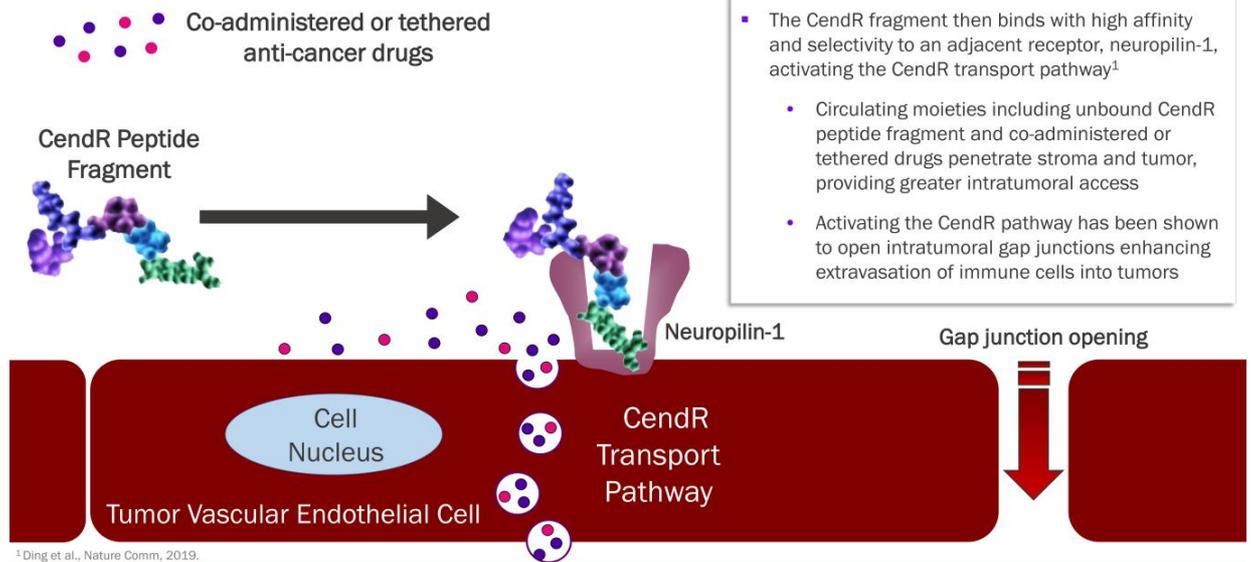
# **LSTA1**

*Strong Scientific Foundation*

## LSTA1 Mechanism of Action: Steps 1 & 2 of 3



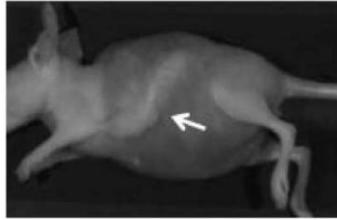
## LSTA1 Mechanism of Action: Step 3 of 3



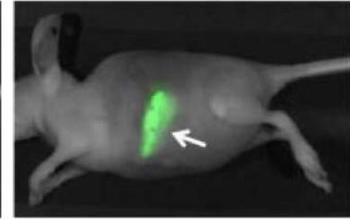
# LSTA1 selectively and efficiently facilitates intratumoral penetration

Whole body imaging of mice with pancreatic ductal adenocarcinoma (arrow) dosed with Fluorescent Quantum Dots (FQDs) with and without LSTA1

FQD + Etching solution



LSTA1 + FQD + Etching solution

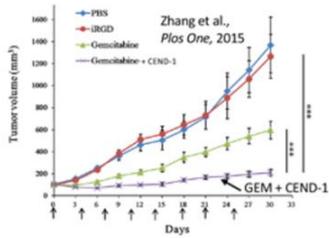


- Etching solution quenches fluorescence in circulation
- **LSTA1 provides selective tumor penetration**

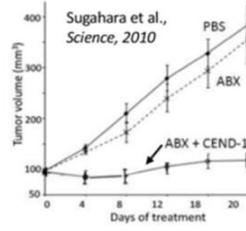
<sup>1</sup> Braun et al., Nature Mater. 2014.  
<sup>2</sup> Liu, Braun et al., Nature Comm. 2017.

# Large body of work shows consistent LSTA1 activity/broad applicability

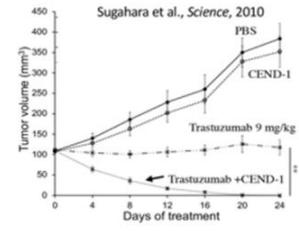
Lung cancer + gemcitabine + LSTA1



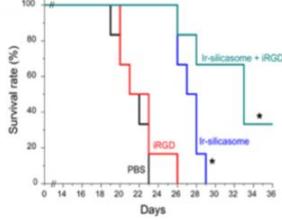
Breast cancer + nanoparticle Abraxane + LSTA1



Breast cancer + Herceptin® + LSTA1

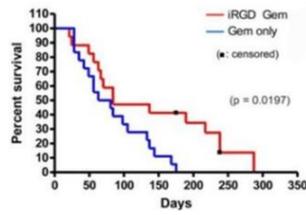


PDAC + irinotecan nanoparticles + LSTA1

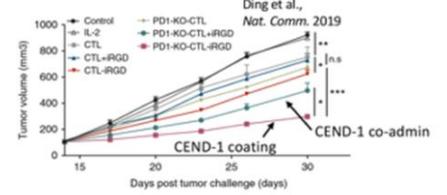


Orthotopically transplanted KPC PDAC tumors  
CEND-1 + irinotecan nanoparticles (i.v. co-admin)

PDAC + gemcitabine + LSTA1



GI cancer + adoptive cell therapy + LSTA1



<sup>1</sup>Hurtado de Mendoza et al, *Nature Comms*, 2021.  
<sup>2</sup>Liu X et al., *J Clin Invest*, 2017.

# LSTA1 Phase 1b/2a results: compelling improvement of SoC efficacy

Endpoints	Gemcitabine <sup>1</sup>	Gemcitabine + Nab-paclitaxel <sup>2</sup>	LSTA1 + Gemcitabine + Nab-paclitaxel <sup>3</sup>
N= # of study participants	N=171	N=431	<b>N=31</b>
Median Overall Survival	6.8 mos.	8.5 mos.	<b>13.2 mos.</b>
Median Progression-Free Survival	3.3 mos.	5.5 mos.	<b>9.7 mos.</b>
Objective Response Rate	9.4% (16)	23% (99)	<b>59% (17)</b>
Complete Response	0% (0)	0.2% (1)	<b>3.4% (1)</b>
Partial Response	9.5% (16)	23% (98)	<b>55% (16)</b>
Stable Disease	41.5% (71)	27% (118)	<b>31% (9)</b>
Progressive Disease	34.5% (59)	20% (86)	<b>10.3% (3)</b>
Disease Control Rate 16 weeks	-	48%	<b>79%</b>
CA19-9 >20% drop	-	61%	<b>96%</b>



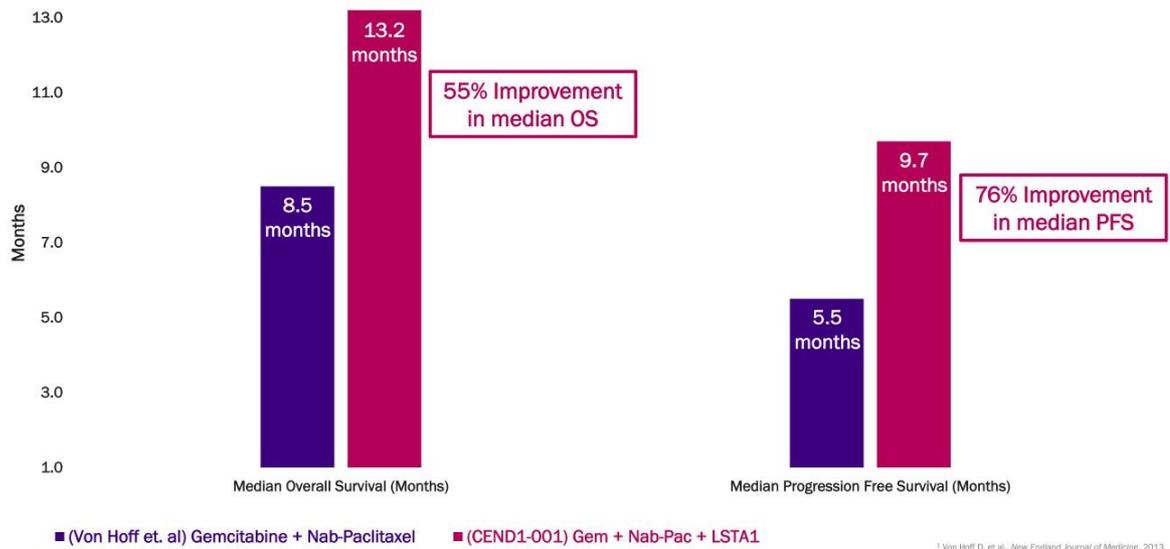
First-line, mPDAC patients from 3 sites in Australia



LSTA1 well-tolerated, no dose-limiting toxicities; safety with LSTA1 consistent with SoC alone

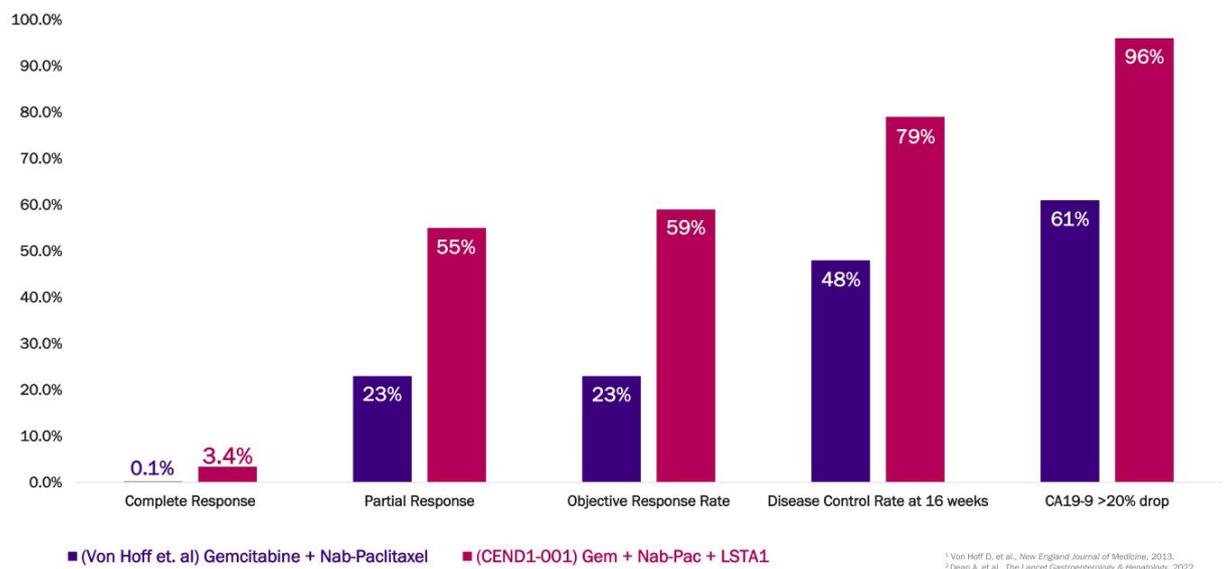
<sup>1</sup> Conroy T, et al., *New England Journal of Medicine*, 2011.  
<sup>2</sup> Von Hoff D, et al., *New England Journal of Medicine*, 2013.  
<sup>3</sup> Dean A, et al., *The Lancet Gastroenterology & Hepatology*, 2022.

## LSTA1 Phase 1b/2a results: improved survival vs. SoC alone



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

## LSTA1 Phase 1b/2a results: consistent improvement across associated endpoints





# LSTA1

*Clinical Development Portfolio*

*Fast Track and Orphan Drug designated (PDAC) - USA*

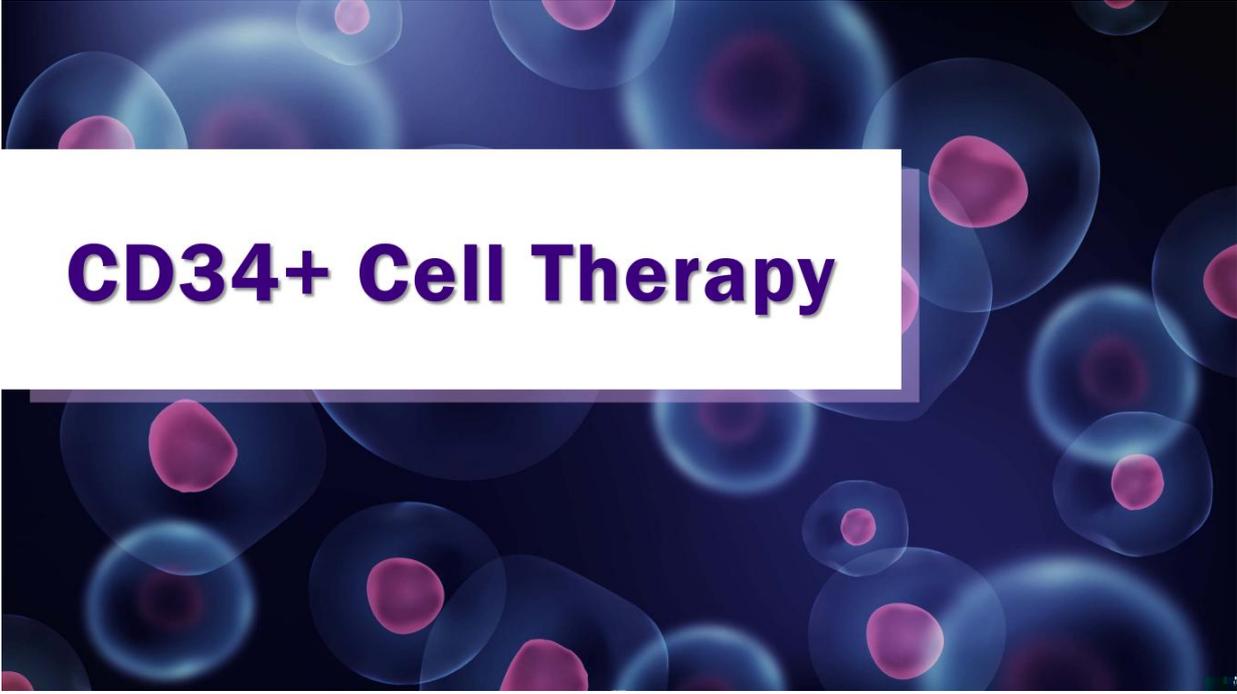
## LSTA1 capital efficient development plan; shared costs & selective geography

Development Partner(s) [Development Venue]	Indication and Trial Product/Comparator	Stage of Development (Status)
Lisata/AGITG [Australia/New Zealand]	First-line mPDAC; Gemcitabine/nab-paclitaxel with LSTA1 or placebo	Phase 2b (ASCEND) <i>(Enrolling)</i>
Lisata [United States]	Various Solid Tumors; SoC with LSTA1 or placebo	Phase 2a (BOLSTER) (Pending Initiation)
KUCC/Lisata [United States]	Pancreatic, Colon & Appendiceal Cancers; LSTA1 + FOLFIRINOX + panitumumab*	Phase 1b/2a (CENDIFOX) <i>(Enrolling)</i>
Qilu [China]	First-line mPDAC; Gemcitabine/nab-paclitaxel + LSTA1	Phase 1b/2a <i>(Enrolling)</i>
WARPINE/Lisata [Australia]	Locally advanced non-resectable PDAC; Durvalumab/gemcitabine/nab-paclitaxel + LSTA1	Phase 1b/2a (iLSTA) <i>(Enrolling)</i>
WARPINE/Lisata [Australia]	Locally advanced non-resectable Gastroesophageal (GE) adenocarcinoma; Nivolumab + FFX + LSTA1	Phase 1b/2a (iGoLSTA) (Pending Initiation)

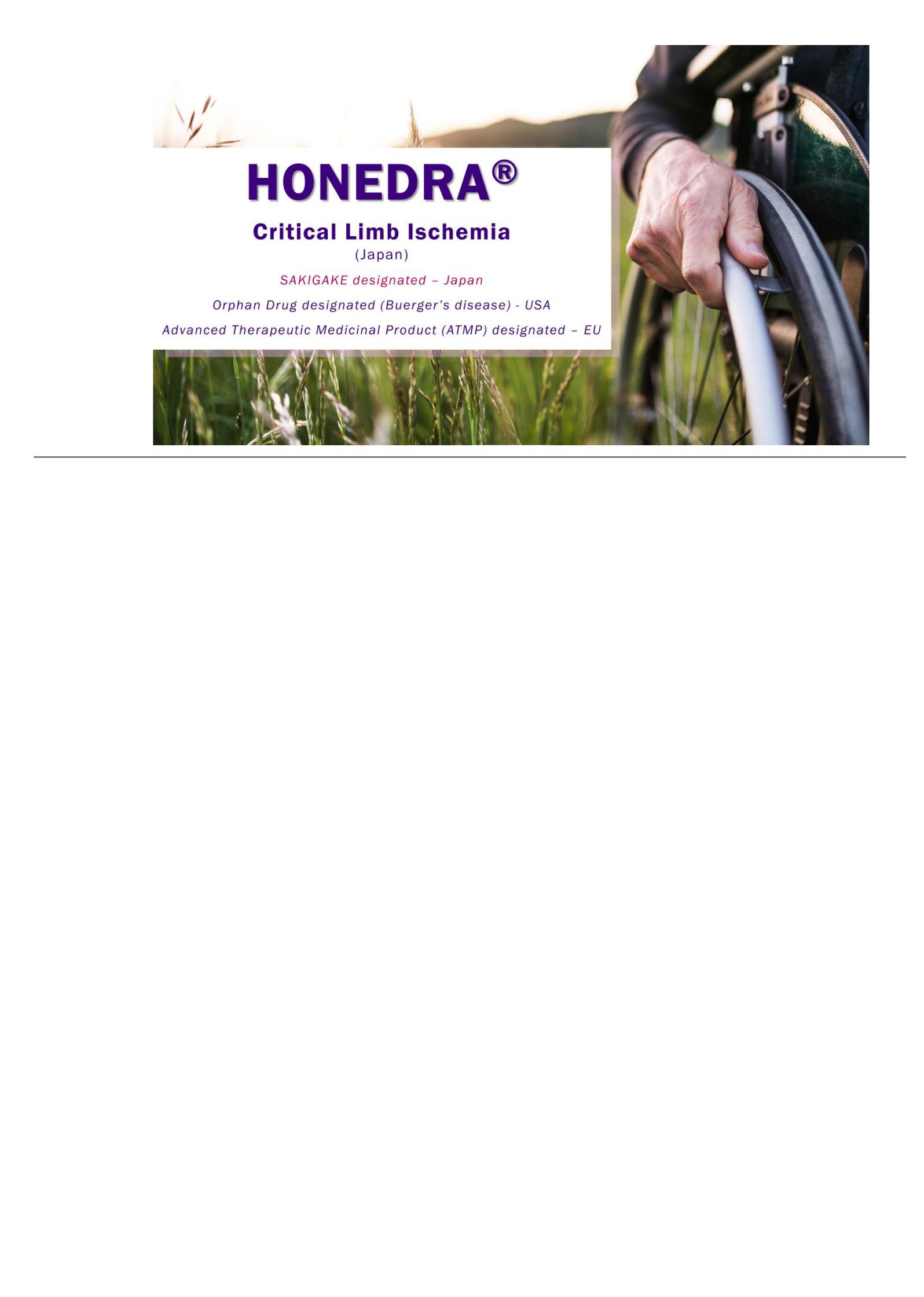
\*Panitumumab may be added for colorectal or appendiceal patients without Ras mutation

## LSTA1 capital efficient development plan; shared costs & selective geography

Development Partner(s) [Development Venue]	Indication and Trial Product/Comparator	Stage of Development (Status)
Tartu University/Lisata [Estonia, Latvia]	First-line Glioblastoma Multiforme; Temozolomide ± LSTA1	Phase 2a (Pending Initiation)
UCSD/Columbia University/Lisata [United States]	Peritoneal Carcinomatosis LSTA+HIPEC interoperative intraperitoneal lavage	Phase 1b/2a (Pending Initiation)
Qilu [China]	First-line mPDAC; Gemcitabine/nab-paclitaxel + LSTA1	Phase 2 (Pending Initiation)
Roche/Lisata [Multi-national]	First-line mPDAC; Gemcitabine/nab-paclitaxel/LSTA1 ± atezolizumab	Phase 1b/2 (MORPHEUS) (Pending Initiation)

The background of the slide features a microscopic view of cells. The cells are depicted with a glowing blue outer membrane and a darker, reddish-pink inner core. They are scattered across the frame, some overlapping, against a dark blue background. A white rectangular box is positioned in the upper left quadrant, containing the text.

# **CD34+ Cell Therapy**



**HONEDRA®**

**Critical Limb Ischemia**

(Japan)

*SAKIGAKE designated - Japan*

*Orphan Drug designated (Buerger's disease) - USA*

*Advanced Therapeutic Medicinal Product (ATMP) designated - EU*

# HONEDRA®: autologous CD34+ cell therapy

## Arteriosclerosis Obliterans (ASO); Critical Limb Ischemia (CLI)

- CLI: arterial obstruction impeding blood flow in the lower extremities with severe rest pain and non-healing ulcers
- Buerger's disease (BD) (a subset of ASO); is inflammation in small and medium arteries (orphan population)
- Current surgical intervention, angioplasty, stenting and pharmacotherapy) do not adequately treat CLI and BD
- Multi-million-dollar opportunity with an increasing prevalence of CLI in Japan
- Positive previously published Phase 2 results in Japan<sup>1,2</sup>

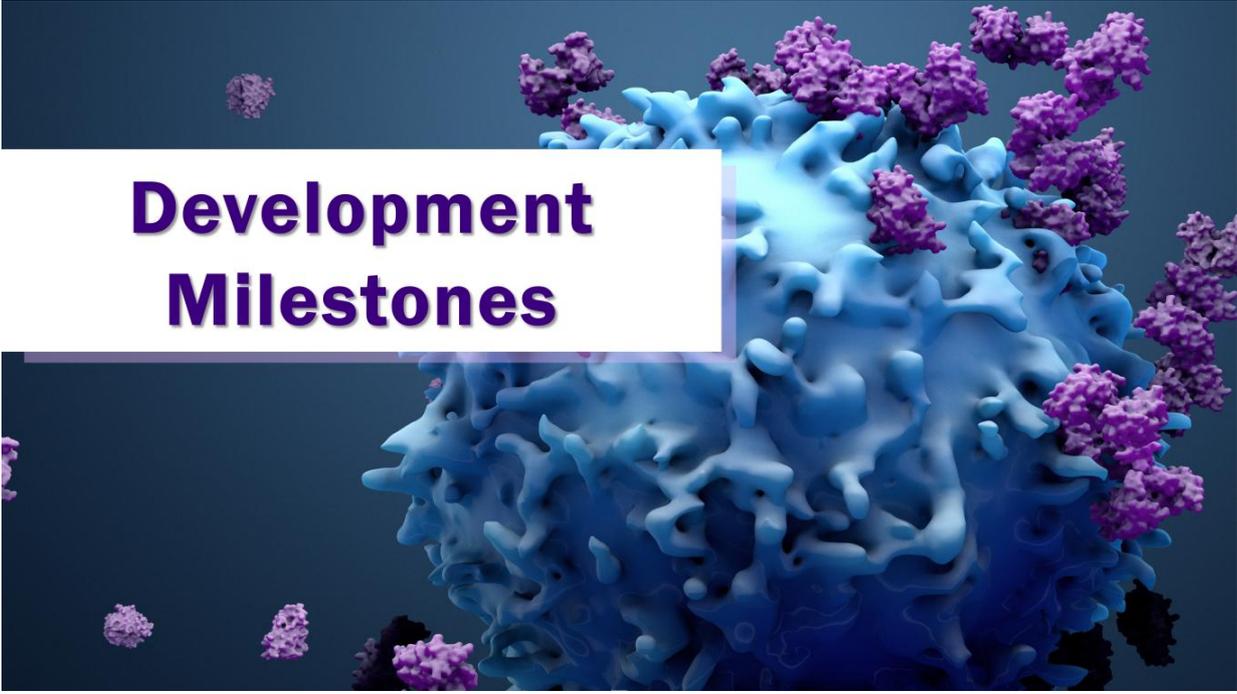
## Development Status

- **Clinical trial completed**
  - HONEDRA® was generally safe and well tolerated
  - HONEDRA® group reached CLI-free status faster than SoC group (primary endpoint)
- PMDA has offered guidance toward a confirmatory study to support a JNDA
- Advisory firm specializing in Japan partnerships engaged to assist out-licensing of product

*Provides potential value upside with no further capital outlay*

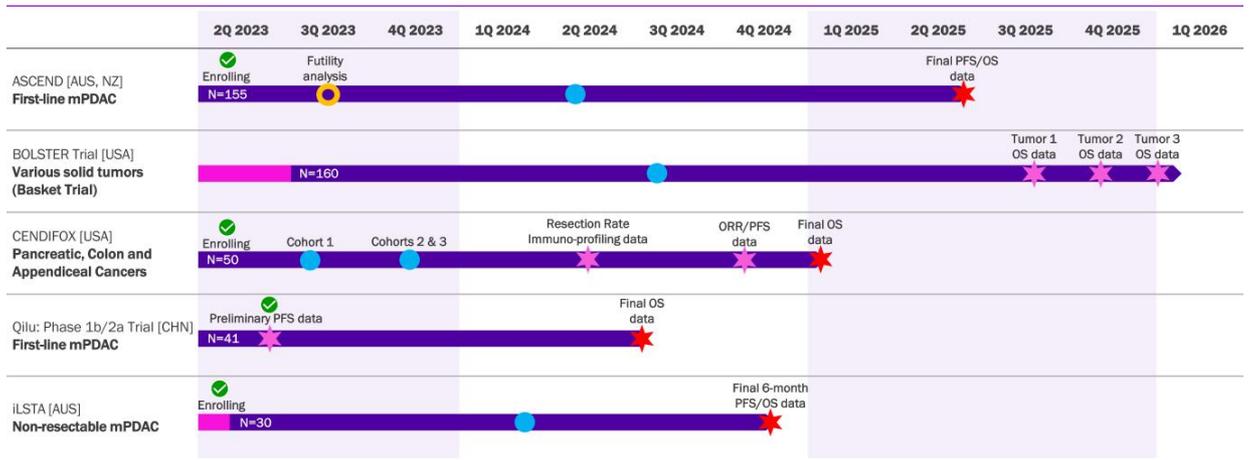
<sup>1</sup> Reinecke H., European Heart Journal, 2015 Apr 14;36(15):932-8.

<sup>2</sup> Kinoshita et al, Atherosclerosis 224 (2012) 440-445

A 3D molecular model of a protein structure. The main body of the protein is rendered in a light blue color, while several smaller, more complex subunits or domains are highlighted in a vibrant purple. The structure is highly detailed, showing various folds, loops, and surface features. The background is a dark, gradient blue.

# **Development Milestones**

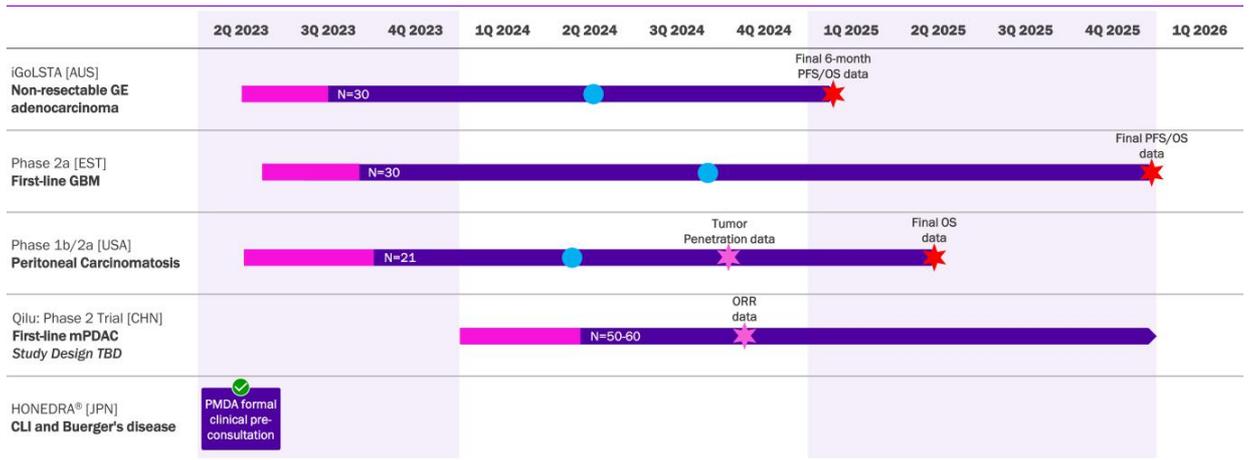
# A wealth of anticipated key milestones



- First patient in
- Last patient in
- Interim Analysis
- ★ Data
- ★ Final data
- ✔ Milestone Achieved

- PFS: Progression-free Survival
- OS: Overall Survival
- ORR: Objective Response Rate

# A wealth of anticipated key milestones (contd.)



■ First patient in   
 ● Last patient in   
 ● Interim Analysis   
 ★ Data   
 ★ Final data   
 ✔ Milestone Achieved

- PFS: Progression-free Survival
- OS: Overall Survival
- ORR: Objective Response Rate



# **Financial Highlights**

## Lisata projects available capital to fund all clinical data milestones

### Cash & Investments

*As of 3/31/2023*

**\$61.1M**

### Debt

**\$0**

### Projected Cash Runway Into

**1Q2026**

Common Shares Outstanding (3/31/2023):

8.0 million shares

Options Outstanding (3/31/2023):

Exercise Price: \$0.02 - \$4.22 = 1,231,000 shares

Exercise Price: > \$4.22 = 262,000 shares

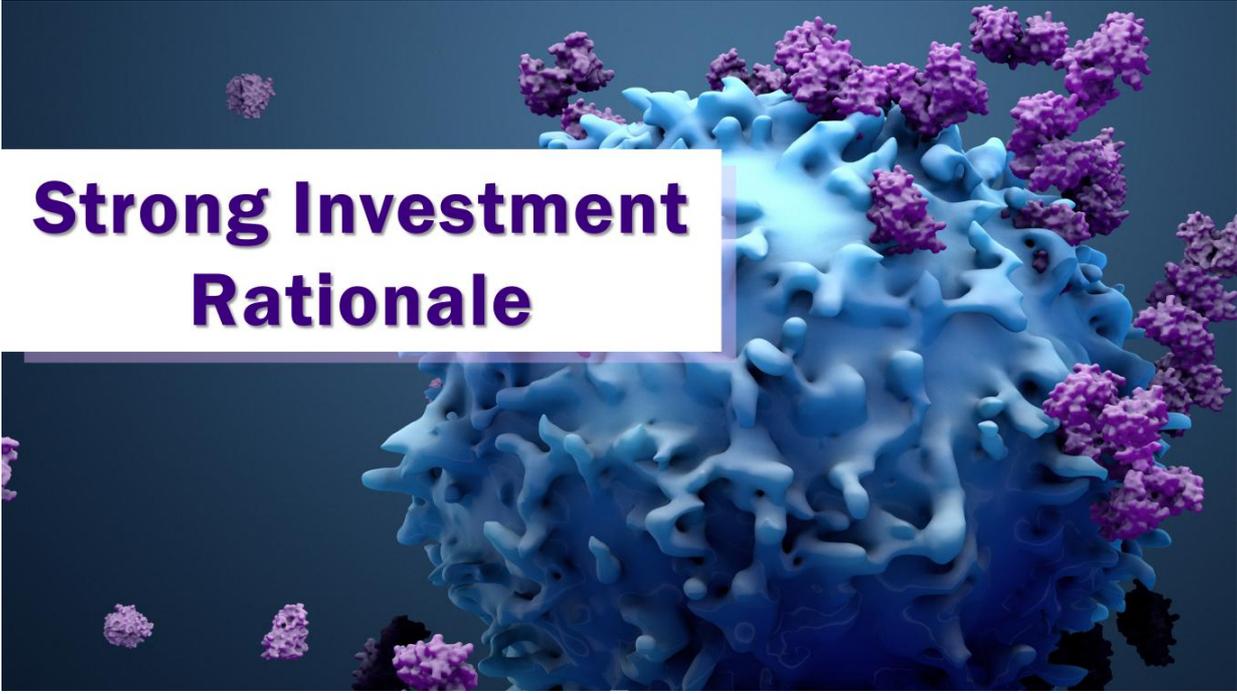
1.5 million shares<sup>1</sup>

Warrants Outstanding (3/31/2023):

Weighted Average Exercise Price: \$42.57

1.4 million shares

<sup>1</sup>Includes 1.2 million options assumed through the merger at a weighted average exercise price of \$3.77

A 3D molecular model of a protein structure, rendered in blue and purple. The structure is complex and multi-domain, with a large blue core and several purple clusters. The background is dark blue. A white rectangular box is overlaid on the left side of the image, containing the text "Strong Investment Rationale".

# **Strong Investment Rationale**

## Investment rationale – key company differentiation

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Seasoned management  
with successful drug  
development experience  
and expertise



Proprietary field-leading  
technology in underserved  
global indications



Platform technology  
"validated" by existing  
partnerships with potential  
for many others



Multiple projected product  
and business milestones  
over the next 24 months



\$61.1 million cash\* - no  
debt; Development  
funded through critical  
milestones

\* As of 03/31/2023; includes investments; does not include ~\$2.2 million received from sale of NJ NOLs post quarter close



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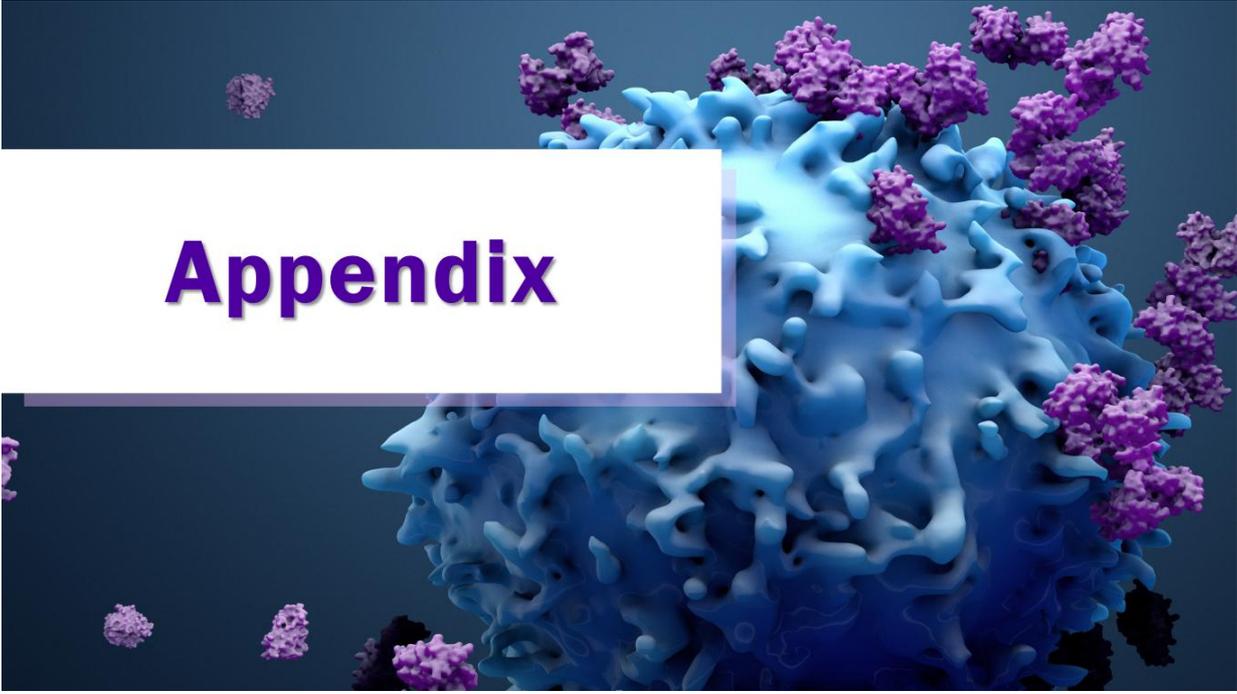
## Targeted Therapy *Delivered*

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

Nasdaq: LSTA | [www.lisata.com](http://www.lisata.com)



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A 3D molecular model of a protein structure. The main body of the protein is rendered in a light blue color, showing a complex, multi-domain structure with various protrusions and indentations. Several smaller, distinct clusters of atoms are highlighted in a vibrant purple color, scattered across the surface of the blue structure. The background is a dark, gradient blue. A white rectangular box is overlaid on the left side of the image, containing the word 'Appendix' in a bold, purple font.

# Appendix

## LSTA1 capital efficient development plan; shared costs & selective geography

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 LSTA1 or placebo	Phase 2b (ASCEND)	Corroborate Phase 1b results in a placebo- controlled trial and evaluate 2 dose regimens of LSTA1 for dose optimization
Lisata [United States]	Various Solid Tumors; SoC with LSTA1 or placebo	Phase 2a (Basket Trial)	Assess LSTA1 safety and effectiveness in several tumor types in a placebo-controlled trial (Proof-of- Concept)
KUCC/Lisata [United States]	Pancreatic, Colon & Appendiceal Cancers; LSTA1 + FOLFIRINOX + panitumumab*	Phase 1b/2a (CENDIFOX)	Tumor immuno-profiling pre- & post- treatment and LSTA1 effectiveness assessment in combination with chemo and an EGFR inhibitor (open label)
Qilu [China]	First-line mPDAC; Gemcitabine/nab-paclitaxel + LSTA1	Phase 1b/2a	Assess safety, PK and therapeutic effect of LSTA1 in Chinese patients (open label)
WARPNINE/Lisata [Australia]	Locally advanced non-resectable PDAC; Durvalumab/gemcitabine/nab-paclitaxel + LSTA1	Phase 1b/2a (iLSTA)	Assess LSTA1 safety and effectiveness in combination with IO & Chemo in locally advanced PDAC; determine if inoperable tumors can become operable (open label)
WARPNINE/Lisata [Australia]	Locally advanced non-resectable Gastroesophageal (GE) adenocarcinoma; Nivolumab + FFX + LSTA1	Phase 1b/2a (iGoLSTA)	Assess LSTA1 safety and effectiveness in combination with IO & chemo in locally advanced GE AdenoCa; determine if inoperable tumors can become operable (open label)

\*Panitumumab may be added for colorectal or appendiceal patients without Ras mutation

## LSTA1 capital efficient development plan; shared costs & selective geography

Development Partner(s) [Development Venue]	Indication and Trial Product/Comparator	Stage of Development	Strategic Rationale
Tartu University/Lisata [Estonia]	First-line Glioblastoma Multiforme; Temozolomide ± LSTA1	Phase 2a	Assess LSTA1 safety and effectiveness in additional tumor type (GBM) in a placebo-controlled trial
UCSD/Columbia University/Lisata [United States]	Peritoneal Carcinomatosis LSTA+HIPEC intraoperatively	Phase 1b/2a	Assess safety and intraoperative tumor penetration of HIPEC in combination with LSTA1 (open label)
Qilu [China]	First-line mPDAC; Gemcitabine/nab-paclitaxel + LSTA1	Phase 2b	Continue development of LSTA1 in China (placebo controlled)
Roche/Lisata [Multi-national]	First-line mPDAC; Gemcitabine/nab-paclitaxel/LSTA1 ± atezolizumab	Phase 1b/2 (MORPHEUS)	Assess LSTA1 safety and effectiveness in combination with SoC chemotherapy & immunotherapy (controlled trial)

## CD34+ cell therapy current clinical trials

*Legacy development programs provide potential value upside with **no** further capital outlay*

Sponsor [Development Venue]	Indication and Trial Product/Comparator	Stage of Development	Strategic Rationale
Lisata [Japan]	Critical Limb Ischemia & Buerger's Disease; HONEDRA® (LSTA12)	Registration Eligible	Assess safety and efficacy of LSTA12 in a controlled trial vs. SoC alone in the context of qualifying for approval in Japan under the accelerated regulatory pathway applicable to regenerative medicines

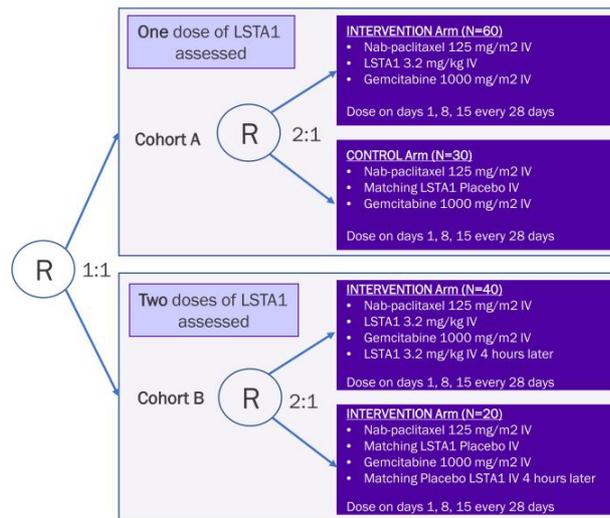
# ASCEND: Phase 2b, blinded, randomized trial in mPDAC

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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ Australasian Gastro-Intestinal Trials Group (AGITG) in collaboration with the NHMRC Clinical Trials Centre at the University of Sydney</li><li>▪ Lisata funded (LSTA eligible for ~43% rebate on all qualified R&amp;D expenses in AUS)</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Corroborate Phase 1b results in a placebo-controlled study</li><li>▪ Determine if a second dose of LSTA1 further improves patient outcomes</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 2b randomized, double-blind study in mPDAC testing gemcitabine + nab-paclitaxel SoC with one of two LSTA1 dose regimens or placebo</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ ~150 subjects (~40 sites planned in Australia and New Zealand)</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Primary: Progression Free Survival</li><li>▪ Secondary: AEs, SAEs, Overall Survival, Objective Tumor Response Rate</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Enrollment completion target late 2Q24</li><li>▪ Earliest possible data 2024</li></ul>

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

Phase 2b randomized, double-blind study in mPDAC testing gemcitabine + nab-paclitaxel (SoC) with two LSTA1 dose regimens or placebo



- **Sponsor/Partner:** AGITG in collaboration with the NHMRC Clinical Trial Centre at the University of Sydney
- **LSTA funded**
- **Timing:** Enrollment completion target late 2Q24; Earliest possible data 2024

### Endpoints

- Progression Free Survival (PFS)
- ORR
- OS
- Safety
- QoL
- Exploratory Endpoints

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

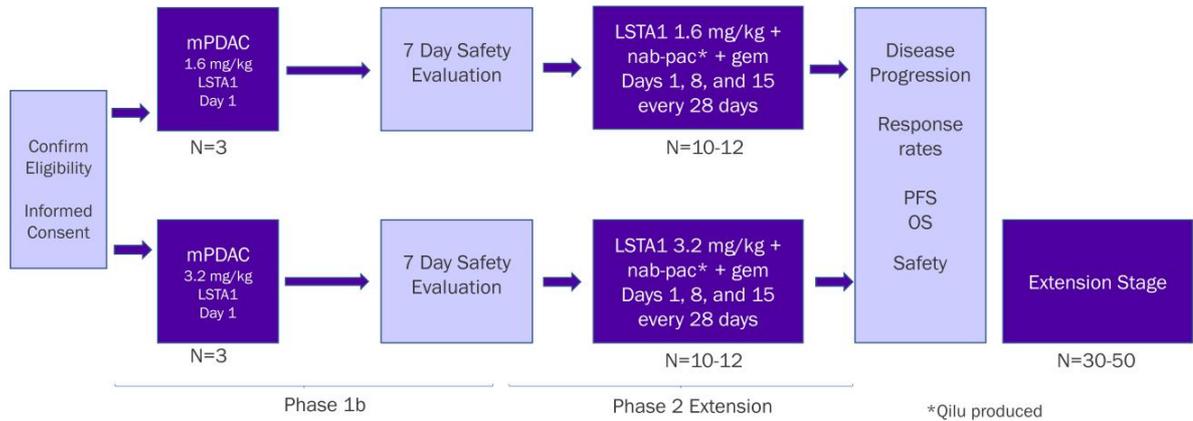
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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ Qilu Pharmaceutical (funds all development in China)</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate safety, pharmacokinetics and preliminary efficacy of LSTA1 added to SoC in Chinese patients with mPDAC</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 1b/2a open-label study in advanced mPDAC patients of Chinese ethnicity testing SoC chemotherapy (gemcitabine + Qilu-produced nab-paclitaxel) in combination with LSTA1</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ 50 subjects (~15 sites)</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Primary: AEs, SAEs, Objective Response Rate, Duration of Response, Disease Control Rate, Overall Survival, and Progression Free Survival</li><li>▪ Secondary: Pharmacokinetic parameters</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Preliminary data expected 1H23</li></ul>

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

Phase 1b/2a study evaluating the safety, pharmacokinetics, and preliminary efficacy of LSTA1 for injection in Chinese patients with advanced metastatic pancreatic ductal adenocarcinoma

- **Sponsor/Partner:** Qilu Pharmaceutical (funds all development in China)
- **Timing:** Preliminary data expected 1H23

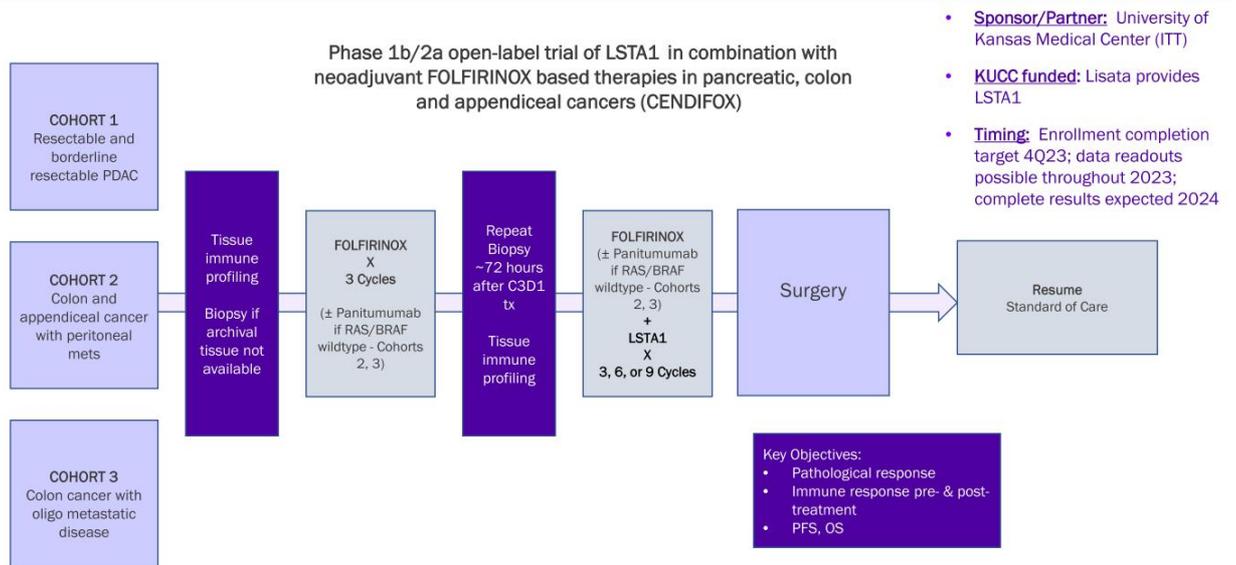


# CENDIFOX: Phase 1b/2a open-label trial in PDAC and other cancers

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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ University of Kansas Medical Center (Investigator initiated trial in U.S.)</li><li>▪ KUCC funded; Lisata provides LSTA1</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate the safety and therapeutic effect of LSTA1 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- &amp; post- treatment</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ 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 LSTA1 ± panitumumab</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ 50 subjects (20 PDAC, 15 colon and 15 appendiceal)</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Primary: Drug Safety</li><li>▪ Secondary: Overall Survival, Disease-free Survival, Overall Response Rate, RO Resection Rate, Pathological Response Rate</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Enrollment completion target 4Q23</li><li>▪ Data readouts possible throughout 2023 with complete results expected 2024</li></ul>

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



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

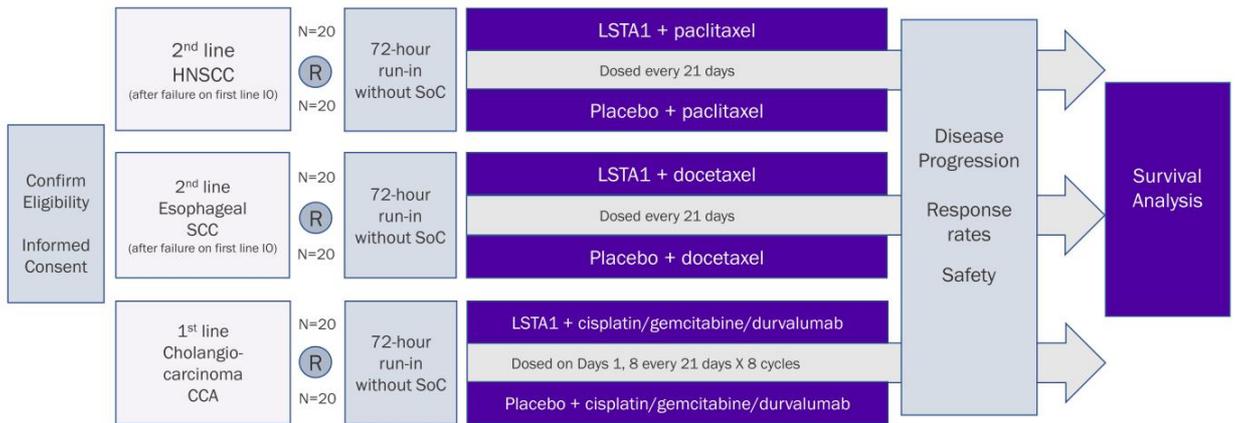
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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ Lisata (U.S.)</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate the preliminary efficacy, safety and tolerability of LSTA1 in combination with standards of care in subjects with advanced solid tumors</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 2 randomized, double-blind, placebo-controlled, proof-of-concept trial in 2nd line head and neck SCC, 2nd line esophageal SCC and 1st line cholangiocarcinoma testing corresponding SoC with LSTA1 or placebo</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ 120 (40 per tumor type split 1:1 SoC + LSTA1 or SoC + placebo)</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Primary: OS</li><li>▪ Secondary: Safety, ORR, PFS</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate the preliminary efficacy, safety and tolerability of LSTA1 in combination with standards of care in subjects with advanced solid tumors</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Trial initiation target: 2Q23</li></ul>

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

Phase 2a, double-blind, placebo-controlled, multi-center, randomized study evaluating LSTA1 when added to standard of care (SoC) versus standard of care alone in subjects with advanced solid tumors

- **Sponsor:** Lisata
- **Timing:** Trial initiation target 2Q23



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

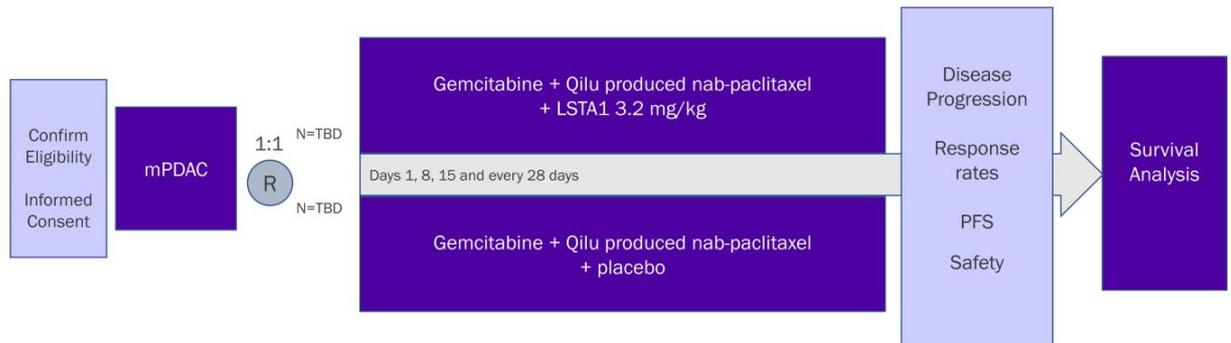
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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ Qilu Pharmaceutical (funds all development in China)</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Further evaluate safety and therapeutic efficacy of LSTA1 when added to SoC in Chinese patients with mPDAC</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 2b, double-blind, placebo-controlled, randomized study evaluating LSTA1 + SoC (Qilu-produced nab-paclitaxel and gemcitabine) vs. placebo + SoC</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ TBD</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Objective response rate, progression free survival, overall survival</li><li>▪ Safety</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Trial initiation target 1Q24</li></ul>

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

Phase 2b, double-blind, placebo-controlled, randomized, study evaluating LSTA1 when added to standard of care (nab-paclitaxel and gemcitabine) vs. standard of care alone and placebo in Chinese subjects with mPDAC

- **Sponsor/Partner:** Qilu Pharmaceutical (funds all development in China)
- **Timing:** Trial initiation target 4Q23



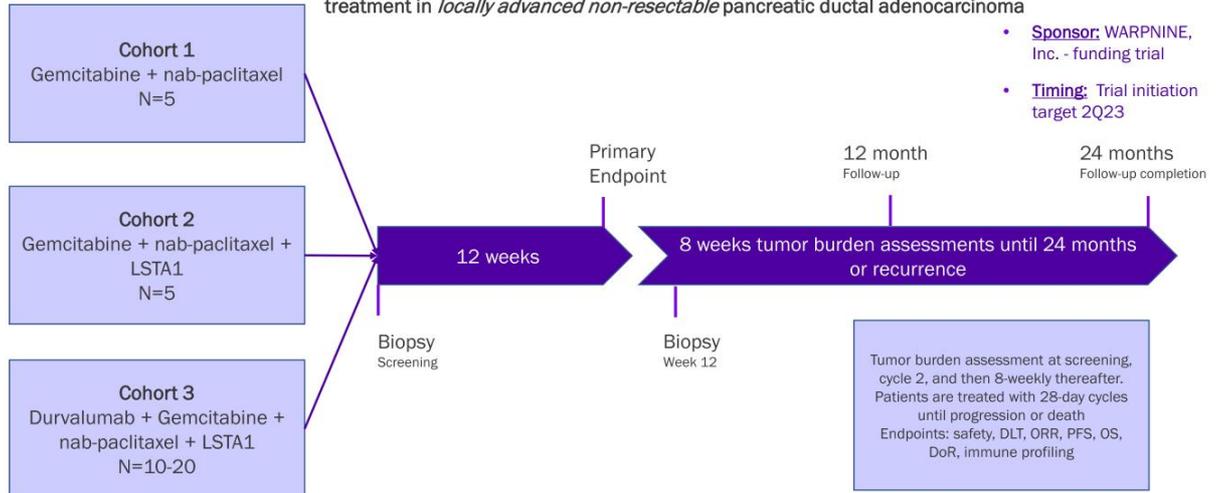
# iLSTA: Phase 1b/2a trial in locally advanced PDAC with chemo & IO

---

<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ WARPINE, Inc. (registered charity in Australia) is funding trial</li><li>▪ Lisata providing study drug</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate safety and therapeutic effect of LSTA1 in combination with IO &amp; Chemo in locally advanced non-resectable pancreatic ductal adenocarcinoma (PDAC); determine if inoperable tumors can become operable</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ 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</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ N=30</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Safety and tolerability; 28-day DLTs</li><li>▪ Objective response rate, PFS, OS, duration of response, immune cell infiltration</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Trial initiation target 2Q23</li></ul>

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

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 *locally advanced non-resectable* pancreatic ductal adenocarcinoma

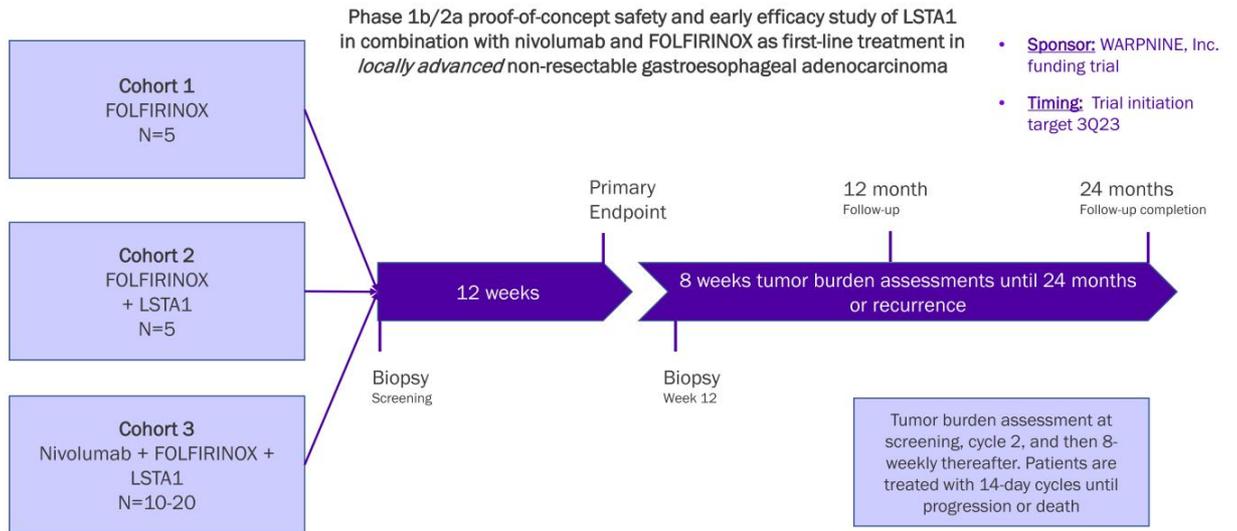


## iGoLSTA: Phase 1b/2a trial in locally advanced GEAC with chemo & IO

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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ WARPINE, Inc. (registered charity in Australia) is funding trial</li><li>▪ Lisata providing study drug</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate LSTA1 safety &amp; therapeutic effect in combination with IO &amp; Chemo in locally advanced non-resectable gastroesophageal adenocarcinoma (GEAC); determine if inoperable tumors can become operable</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 1b/2a proof-of-concept, safety and early efficacy study of LSTA1 in combination with nivolumab and FOLFIRINOX, as first-line treatment in <i>locally advanced</i> non-resectable gastroesophageal adenocarcinoma</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ N=30</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Safety and tolerability; 28-day DLTs</li><li>▪ Objective response rate, PFS, OS, duration of response, immune cell infiltration</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Trial initiation target 3Q23</li></ul>

# iGoLSTA: Phase 1b/2a trial in locally advanced GEAC with chemo & IO



## Phase 2a trial of LSTA1 with SoC in first-line GBM

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<b>Sponsor/Partner</b>	<ul style="list-style-type: none"><li>▪ Tartu University Hospital (Investigator initiated trial in Estonia)</li><li>▪ Lisata providing study drug and funding trial</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>▪ Evaluate safety, tolerability, and therapeutic effect of LSTA1 in combination with standard-of-care (temozolomide) in patients with previously untreated Glioblastoma Multiforme</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>▪ Phase 2a proof-of-concept, double-blind, placebo-controlled, randomized study evaluating LSTA1 when added to standard of care (temozolomide) versus SoC and placebo in subjects with newly diagnosed Glioblastoma Multiforme (GBM)</li></ul>
<b>Study Size</b>	<ul style="list-style-type: none"><li>▪ N=40</li></ul>
<b>Endpoints</b>	<ul style="list-style-type: none"><li>▪ Safety, tolerability</li><li>▪ ORR, PFS, OS, disease control rate</li></ul>
<b>Timing</b>	<ul style="list-style-type: none"><li>▪ Trial initiation target 3Q23</li></ul>

# Phase 2a trial of LSTA1 with SoC in first-line in GBM

Phase 2a proof-of-concept double-blind, placebo-controlled, randomized, proof-of-concept study evaluating LSTA1 when added to standard of care (temozolomide) versus temozolomide and matching LSTA1 placebo in subjects with newly diagnosed GBM

- **Sponsor:** Tartu University Hospital; Estonia
- **Funding:** Lisata
- **Timing:** Trial initiation target 3Q23



