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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

☑ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended March 31, 2024

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____

Commission File Number 001-36569

LANTHEUS HOLDINGS, INC.

(Exact name of registrant as specified in its charter)

Delaware	**35-2318913**
(State or other jurisdiction of incorporation or organization)	**(IRS Employer Identification No.)**
201 Burlington Road, South Building Bedford, MA	**01730**
(Address of principal executive offices)	**(Zip Code)**

(978) 671-8001

(Registrant's telephone number, including area code)

Not Applicable

(Former name, former address and former fiscal year, if changed since last report

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 $0.01 per share	LNTH	The Nasdaq Global Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☑ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☑ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	☑	Accelerated filer	☐
Non-accelerated filer	☐	Smaller reporting company	☐
		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. ☐

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Act) Yes ☐ No ☑

The registrant had 69,312,588 shares of common stock, $0.01 par value, outstanding as of April 25, 2024.

LANTHEUS HOLDINGS, INC.
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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements (Unaudited)

Lantheus Holdings, Inc.
Condensed Consolidated Balance Sheets
(Unaudited)
(in thousands, except par value)

	March 31, 2024	December 31, 2023
Assets		
Current assets		
Cash and cash equivalents	$ 718,279	$ 713,656
Accounts receivable, net	337,389	284,292
Inventory	69,758	64,029
Other current assets	16,215	16,683
Assets held for sale	7,159	7,159
Total current assets	1,148,800	1,085,819
Investment in equity securities	138,960	—
Property, plant and equipment, net	150,090	146,697
Intangibles, net	142,054	151,985
Goodwill	61,189	61,189
Deferred tax assets, net	138,898	150,198
Other long-term assets	51,343	55,261
Total assets	$ 1,831,334	$ 1,651,149
Liabilities and stockholders' equity		
Current liabilities		
Current portion of long-term debt and other borrowings	$ 734	$ 823
Accounts payable	37,525	41,189
Accrued expenses and other liabilities	198,939	145,338
Total current liabilities	237,198	187,350
Asset retirement obligations	23,023	22,916
Long-term debt, net and other borrowings	562,466	561,670
Other long-term liabilities	63,107	63,321
Total liabilities	885,794	835,257
Commitments and contingencies (See Note 18)		
Stockholders' equity		
Preferred stock ($0.01 par value, 25,000 shares authorized; no shares issued and outstanding)	—	—
Common stock ($0.01 par value, 250,000 shares authorized; 70,635 and 69,863 shares issued as of March 31, 2024 and December 31, 2023, respectively)	706	699
Additional paid-in capital	756,443	757,727
Treasury Stock at cost - 1,339 shares as of March 31, 2024 and December 31, 2023	(75,000)	(75,000)
Retained earnings	264,569	133,503
Accumulated other comprehensive loss	(1,178)	(1,037)
Total stockholders' equity	945,540	815,892
Total liabilities and stockholders' equity	$ 1,831,334	$ 1,651,149

The accompanying notes are an integral part of these condensed consolidated financial statements.

Lantheus Holdings, Inc.
Condensed Consolidated Statements of Operations
(Unaudited)
(in thousands, except per share data)

	Three Months Ended March 31,	
	2024	**2023**
Revenues	$ 369,975	$ 300,784
Cost of goods sold	128,129	223,708
Gross profit	241,846	77,076
Operating expenses		
Sales and marketing	45,546	32,617
General and administrative	47,895	23,271
Research and development	48,024	30,532
Total operating expenses	141,465	86,420
Gain on sale of assets	6,254	—
Operating income (loss)	106,635	(9,344)
Interest expense	4,859	4,991
Investment in equity securities - unrealized gain	(60,704)	—
Other income	(8,788)	(3,231)
Income (loss) before income taxes	171,268	(11,104)
Income tax expense (benefit)	40,202	(8,297)
Net income (loss)	$ 131,066	$ (2,807)
Net income (loss) per common share:		
Basic	$ 1.91	$ (0.04)
Diluted	$ 1.87	$ (0.04)
Weighted-average common shares outstanding:		
Basic	68,757	67,749
Diluted	70,095	67,749

The accompanying notes are an integral part of these condensed consolidated financial statements.

Lantheus Holdings, Inc.
Condensed Consolidated Statements of Comprehensive Income (Loss)
(Unaudited)
(in thousands)

	Three Months Ended March 31,	
	2024	**2023**
Net income (loss)	$ 131,066	$ (2,807)
Other comprehensive income (loss):		
Foreign currency translation	(141)	(119)
Comprehensive income (loss)	$ 130,925	$ (2,926)

The accompanying notes are an integral part of these condensed consolidated financial statements.

Lantheus Holdings, Inc.
Condensed Consolidated Statements of Changes in Stockholders' Equity
(Unaudited)
(in thousands)

	Three Months Ended March 31, 2024							
	Common Stock		Treasury Stock		Additional Paid-In Capital	Retained earnings	Accumulated Other Comprehensive Loss	Total Stockholders' Equity
	Shares	Amount	Shares	Amount				
Balance, January 1, 2024	69,863	$ 699	1,339	$ (75,000)	$ 757,727	$ 133,503	$ (1,037)	$ 815,892
Net income	—	—	—	—	—	131,066	—	131,066
Other comprehensive loss	—	—	—	—	—	—	(141)	(141)
Stock option exercises and employee stock plan purchases	86	1	—	—	2,756	—	—	2,757
Vesting of restricted stock awards and units	988	9	—	—	(9)	—	—	—
Shares withheld to cover taxes	(302)	(3)	—	—	(19,415)	—	—	(19,418)
Stock-based compensation	—	—	—	—	15,384	—	—	15,384
Balance, March 31, 2024	70,635	$ 706	1,339	$ (75,000)	$ 756,443	$ 264,569	$ (1,178)	$ 945,540

	Three Months Ended March 31, 2023							
	Common Stock		Treasury Stock		Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Income	Total Stockholders' Equity
	Shares	Amount	Shares	Amount				
Balance, January 1, 2023	68,851	$ 689	1,339	$ (75,000)	$ 715,875	$ (193,158)	$ (1,259)	$ 447,147
Net loss	—	—	—	—	—	(2,807)	—	(2,807)
Other comprehensive loss	—	—	—	—	—	—	(119)	(119)
Stock option exercises and employee stock plan purchases	120	1	—	—	2,781	—	—	2,782
Vesting of restricted stock awards and units	813	8	—	—	(8)	—	—	—
Shares withheld to cover taxes	(154)	(2)	—	—	(11,152)	—	—	(11,154)
Stock-based compensation	—	—	—	—	9,667	—	—	9,667
Balance, March 31, 2023	69,630	$ 696	1,339	$ (75,000)	$ 717,163	$ (195,965)	$ (1,378)	$ 445,516

The accompanying notes are an integral part of these condensed consolidated financial statements.

Lantheus Holdings, Inc.
Condensed Consolidated Statements of Cash Flows
(Unaudited)
(in thousands)

	Three Months Ended March 31,	
	2024	**2023**
Operating activities		
Net income (loss)	$ 131,066	$ (2,807)
Adjustments to reconcile net income to net cash flows from operating activities:		
Depreciation, amortization and accretion	15,445	14,615
Impairment of long-lived assets	—	132,052
Amortization of debt related costs	1,073	1,082
Changes in fair value of contingent assets and liabilities	—	(1,400)
Provision for excess and obsolete inventory	2,757	680
Stock-based compensation	15,384	9,667
Gain on disposal of assets	(6,254)	—
Unrealized gain on investment in equity securities	(60,704)	—
Charges incurred in connection with acquired IPR&D	28,000	—
Deferred taxes	11,260	(35,863)
Long-term indemnification receivable	—	(96)
Long-term income tax payable and other long-term liabilities	439	123
Other	1,696	1,225
Changes in assets and liabilities which provided (used) cash:		
Accounts receivable	(55,440)	(24,681)
Inventory	(8,494)	(7,124)
Other current assets	4,023	2,479
Accounts payable	(3,462)	6,747
Accrued expenses and other liabilities	50,449	11,801
Net cash provided by operating activities	127,238	108,500
Investing activities		
Capital expenditures	(8,273)	(9,168)
Acquisition of assets, net	—	(35,345)
Proceeds from sale of assets	8,000	—
Purchases of investment in equity securities	(78,256)	—
Acquisition of exclusive license option	(28,000)	—
Net cash used in investing activities	(106,529)	(44,513)
Financing activities		
Payments on long-term debt and other borrowings	(184)	(297)
Proceeds from stock option exercises	934	1,842
Proceeds from issuance of common stock	1,823	940
Payments for minimum statutory tax withholding related to net share settlement of equity awards	(19,418)	(11,154)
Net cash used in financing activities	(16,845)	(8,669)
Effect of foreign exchange rates on cash, cash equivalents and restricted cash	770	(98)
Net increase in cash, cash equivalents and restricted cash	4,634	55,220
Cash, cash equivalents and restricted cash, beginning of period	715,285	417,241
Cash, cash equivalents and restricted cash, end of period	$ 719,919	$ 472,461

Lantheus Holdings, Inc.
Condensed Consolidated Statements of Cash Flows (Continued)
(Unaudited)
(in thousands)

	Three Months Ended March 31,	
	2024	**2023**
Reconciliation to amounts within the condensed consolidated balance sheets		
Cash and cash equivalents	$ 718,279	$ 470,863
Restricted cash included in other long-term assets	1,640	1,598
Cash, cash equivalents and restricted cash at end of period	$ 719,919	$ 472,461

	Three Months Ended March 31,	
	2024	**2023**
Schedule of non-cash investing and financing activities		
Additions of property, plant and equipment included in liabilities	$ 6,853	$ 8,443
Lease liability settled through transfer of lease	$ 376	$ —

The accompanying notes are an integral part of these condensed consolidated financial statements.

Lantheus Holdings, Inc.
Notes to Condensed Consolidated Financial Statements
(Unaudited)

Note Regarding Company References and Trademarks

Unless the context otherwise requires, references to the "Company" and "Lantheus" refer to Lantheus Holdings, Inc. and its direct and indirect wholly-owned subsidiaries; references to "Lantheus Holdings" refer to Lantheus Holdings, Inc. and not to any of its subsidiaries; references to "LMI" refer to Lantheus Medical Imaging, Inc., the direct subsidiary of Lantheus Holdings; references to "Lantheus Alpha" refer to Lantheus Alpha Therapy, LLC, the direct subsidiary of Lantheus Holdings; references to "Cerveau," "Lantheus Real Estate," "Lantheus Two," "Lantheus Three" and "Progenics" refer to Cerveau Technologies, Inc.; Lantheus MI Real Estate, LLC; Lantheus Two, LLC; Lantheus Three, LLC; and Progenics Pharmaceuticals, Inc., respectively, each a wholly-owned subsidiary of LMI, and references to "EXINI" refer to EXINI Diagnostics AB, a wholly-owned subsidiary of Progenics. Solely for convenience, the Company refers to trademarks, service marks and trade names without the TM, SM and ® symbols. Those references are not intended to indicate, in any way, that the Company will not assert, to the fullest extent permitted under applicable law, its rights to its trademarks, service marks and trade names.

1. Basis of Presentation

The accompanying unaudited condensed consolidated financial statements include the accounts of Lantheus and have been prepared in accordance with generally accepted accounting principles for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, these condensed consolidated financial statements do not include all of the information and notes required by generally accepted accounting principles in the United States ("U.S. GAAP") for complete financial statements. In the opinion of management, all adjustments (consisting of normal and recurring adjustments) considered necessary for a fair statement have been included. The results of operations for the three months ended March 31, 2024 are not necessarily indicative of the results that may be expected for the year ended December 31, 2024 or any future period.

The condensed consolidated balance sheet at December 31, 2023 has been derived from the audited consolidated financial statements at that date but does not include all the information and notes required by U.S. GAAP for complete financial statements. These condensed consolidated financial statements and accompanying notes should be read in conjunction with the consolidated financial statements and notes thereto included in Item 8 of the Company's most recent Annual Report on Form 10-K for the year ended December 31, 2023 filed with the Securities Exchange Commission ("SEC") on February 22, 2024.

Progenics Acquisition

On June 19, 2020 (the "Closing Date"), pursuant to the Amended and Restated Agreement and Plan of Merger, dated as of February 20, 2020 (the "Merger Agreement"), by and among Lantheus Holdings, Plato Merger Sub, Inc., a wholly-owned subsidiary of Lantheus Holdings ("Merger Sub"), and Progenics, Lantheus Holdings completed the acquisition of Progenics by means of a merger of Merger Sub with and into Progenics, with Progenics becoming an indirect subsidiary of Lantheus Holdings following the completion of such merger (the "Progenics Acquisition").

In connection with the Progenics Acquisition, Lantheus Holdings issued 26,844,877 shares of Lantheus Holdings common stock and 86,630,633 contingent value rights (each a "CVR") tied to the financial performance of PYLARIFY to former Progenics stockholders and option holders. Each CVR entitled its holder to receive a pro rata share of aggregate cash payments equal to 40% of United States ("U.S.") net sales generated by PYLARIFY in 2022 and 2023 in excess of $100.0 million and $150.0 million, respectively. The Company's aggregate payments in respect of the CVRs, together with any other non-stock consideration treated as paid in connection with the Progenics Acquisition, was capped at 19.9% of the total consideration the Company paid in the Progenics Acquisition. Based on the Company's 2022 PYLARIFY net sales, the Company determined that the aggregate payment obligation under the CVRs was $99.6 million, which was the maximum amount payable. The Company paid out this amount in May 2023 in full satisfaction of the CVRs.

2. Summary of Significant Accounting Policies

Investments

Equity investments with readily determinable fair values for which the Company does not have significant influence over the investee are measured at fair value on a recurring basis. Equity investments without readily determinable fair values for which the Company does not have significant influence over the investee are measured at cost with adjustments for observable changes in price or impairments (referred to as the measurement alternative). For equity investments for which the Company does not have significant influence over the investee, changes in the value of unsold equity investments are recorded in investment in equity securities – unrealized gain (loss). Equity investments for which the Company has significant influence over the investee are measured using the equity method unless the Company elects to apply the fair value option to account for the investment.

Recent Accounting Pronouncements

In December 2023, the FASB issued ASU 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures*, which requires all public entities, including public entities with a single reportable segment, to provide in interim and annual periods one or more measures of segment profit or loss used by the chief operating decision maker to allocate resources and assess performance. Additionally, the standard requires disclosures of significant segment expenses and other segment items as well as incremental qualitative disclosures. The guidance in this update is effective for fiscal years beginning after December 15, 2023, and interim periods after December 15, 2024. The Company is currently in the process of evaluating the effects of this pronouncement on our related disclosures.

In December 2023, the FASB also issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures*, which requires enhanced income tax disclosures, including specific categories and disaggregation of information in the effective tax rate reconciliation, disaggregated information related to income taxes paid, income or loss from continuing operations before income tax expense or benefit, and income tax expense or benefit from continuing operations. The requirements of the ASU are effective for annual periods beginning after December 15, 2024, with early adoption permitted. The Company is currently in the process of evaluating the impact of this pronouncement on our related disclosures.

3. Revenue from Contracts with Customers

The following table summarizes revenue by revenue source as follows:

	Three Months Ended March 31,	
Major Products/Service Lines (in thousands)	**2024**	**2023**
Product revenue, net[(1)]	$ 369,313	$ 292,256
License and royalty revenues	662	8,528
Total revenues	$ 369,975	$ 300,784

(1) The Company's product revenue includes PYLARIFY and DEFINITY among other products. This category represents the delivery of physical goods. The Company applies the same revenue recognition policies and judgments for all its principal products.

The Company classifies its revenues into three product categories: Radiopharmaceutical Oncology, Precision Diagnostics, and Strategic Partnerships and Other Revenue. Radiopharmaceutical Oncology includes PYLARIFY and AZEDRA. In 2023, the Company announced its decision to discontinue the production and promotion of AZEDRA and it does not expect revenues from AZEDRA to contribute to the business after the first quarter of 2024. Precision Diagnostics includes DEFINITY, TechneLite and other diagnostic imaging products. Strategic Partnerships and Other Revenue includes strategic partnerships and other arrangements related to other products of the Company. On August 2, 2023, the Company sold its rights to the RELISTOR net sales royalty asset (the "RELISTOR royalty asset") under its license agreement with Bausch Health Companies, Inc. ("Bausch"); the Company retained the rights to future sales-based milestone payments.

Revenue by product category on a net basis is as follows:

	Three Months Ended March 31,	
(in thousands)	**2024**	**2023**
PYLARIFY	$ 258,870	$ 195,470
Other radiopharmaceutical oncology	384	717
Total radiopharmaceutical oncology	259,254	196,187
DEFINITY	76,564	68,824
TechneLite	21,714	20,986
Other precision diagnostics	5,932	5,807
Total precision diagnostics	104,210	95,617
Strategic partnerships and other revenue	6,511	8,980
Total revenues	$ 369,975	$ 300,784

The Company is required to allocate a portion of its revenue received from commercial contracts to future reporting periods to the extent the Company had performance obligations that extended beyond one year. However, the Company's performance obligations are typically part of contracts that have an original expected duration of one year or less. As such, the Company is not disclosing the aggregate amount of the transaction price allocated to performance obligations that are unsatisfied (or partially satisfied) as of the end of the reporting period.

4. Fair Value of Financial Instruments

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. In order to increase consistency and comparability of fair value measurements, financial instruments are categorized based on a hierarchy that prioritizes observable and unobservable inputs used to measure fair value into three broad levels, which are described below:

- *Level 1* — Inputs are unadjusted quoted prices in active markets for identical assets or liabilities that the Company has the ability to access at the measurement date.
- *Level 2* — Inputs include quoted prices for similar assets and liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability (i.e., interest rates, yield curves, etc.) and inputs that are derived principally from or corroborated by observable market data by correlation or other means (market corroborated inputs).
- *Level 3* — Unobservable inputs that reflect a Company's estimates about the assumptions that market participants would use in pricing the asset or liability. The Company develops these inputs based on the best information available, including its own data.

The Company's financial assets and liabilities measured at fair value on a recurring basis consist of money market funds, contingent consideration liabilities, and equity investments. The Company invests excess cash from its operating cash accounts in overnight investments and reflects these amounts in cash and cash equivalents in the consolidated balance sheets at fair value using quoted prices in active markets for identical assets. The Company recorded the contingent consideration liabilities resulting from the Progenics Acquisition at fair value based on inputs that are not observable in the market.

The tables below present information about the Company's assets and liabilities measured at fair value on a recurring basis:

	March 31, 2024			
(in thousands)	Total Fair Value	Level 1	Level 2	Level 3
Assets:				
Money market funds	$ 543,369	$ 543,369	$ —	$ —
Investment securities	138,960	138,960	—	—
Total assets	$ 682,329	$ 682,329	$ —	$ —
Liabilities:				
Contingent consideration liabilities	$ 2,700	$ —	$ —	$ 2,700
Total liabilities	$ 2,700	$ —	$ —	$ 2,700

	December 31, 2023			
(in thousands)	Total Fair Value	Level 1	Level 2	Level 3
Assets:				
Money market funds	$ 574,131	$ 574,131	$ —	$ —
Total assets	$ 574,131	$ 574,131	$ —	$ —
Liabilities:				
Contingent consideration liabilities	$ 2,700	$ —	$ —	$ 2,700
Total liabilities	$ 2,700	$ —	$ —	$ 2,700

During the three months ended March 31, 2024, there were no transfers into or out of Level 3.

As part of the Progenics Acquisition, the Company issued CVRs and recorded the fair value as part of consideration transferred. Each CVR entitled its holder to receive a pro rata share of aggregate cash payments equal to 40% of U.S. net sales generated by

PYLARIFY in 2022 and 2023 in excess of $100.0 million and $150.0 million, respectively, subject to a maximum cap. Based on the U.S. net sales generated by PYLARIFY in 2022, the Company paid out the maximum amount payable under the CVRs from available cash in May 2023 in full satisfaction of the CVR obligation. Refer to Note 1, "Basis of Presentation" for further details on the CVRs.

The Company also assumed contingent consideration liabilities related to a previous acquisition completed by Progenics in 2013 ("2013 Acquisition"). These contingent consideration liabilities include potential payments of up to $70.0 million if the Company attains certain net sales targets primarily for AZEDRA and 1095 (also known as 131 I-MIP-1095) and a $5.0 million 1095 commercialization milestone. Additionally, there is a potential payment of up to $10.0 million commercialization milestone related to a prostate cancer product candidate we refer to as "1404" that we have outlicensed to ROTOP Pharmaka GmbH. The Company's total potential payments related to the 2013 Acquisition are approximately $85.0 million. The Company considers the contingent consideration liabilities relating to the 2013 Acquisition each a Level 3 instrument (one with significant unobservable inputs) in the fair value hierarchy. The estimated fair value of these was determined based on probability adjusted discounted cash flows and Monte Carlo simulation models that included significant estimates and assumptions pertaining to commercialization events and sales targets. The most significant unobservable inputs with respect to 1095 and 1404 are the probabilities of achieving regulatory approval of those development projects and subsequent commercial success.

Significant changes in any of the probabilities of success, the probabilities as to the periods in which sales targets and milestones will be achieved, discount rates or underlying revenue forecasts would result in a significantly higher or lower fair value measurement. The Company records the contingent consideration liability at fair value with changes in estimated fair values recorded in general and administrative expenses in the condensed consolidated statements of operations. The Company can give no assurance that the actual amounts paid, if any, in connection with the contingent consideration liabilities, will be consistent with any recurring fair value estimate of such contingent consideration liabilities.

The following tables summarize quantitative information and assumptions pertaining to the fair value measurement of liabilities using Level 3 inputs at March 31, 2024.

	Fair Value at				Assumptions	
(in thousands)	March 31, 2024	December 31, 2023	Valuation Technique	Unobservable Input	March 31, 2024	December 31, 2023
Contingent consideration liability:						
1095 commercialization milestone	1,800	1,800	Probability adjusted discounted cash flow model			
				Period of expected milestone achievement	2026	2026
				Probability of success	40 %	40 %
				Discount rate	4.6 %	4.1 %
Net sales targets - AZEDRA and 1095	900	900	Monte Carlo simulation			
				Probability of success and sales targets	0% - 40%	0% - 40%
				Discount rate	16%	15%
Total	$ 2,700	$ 2,700				

For those financial instruments with significant Level 3 inputs, the following table summarizes the activities for the periods indicated:

(in thousands)	Financial Liabilities Three Months Ended March 31, 2024	2023
Fair value, beginning of period	$ 2,700	$ 111,600
Changes in fair value included in net (loss) income	—	(1,400)
Fair value, end of period	$ 2,700	$ 110,200

There was no change in fair value of the contingent financial liabilities for the three months ended March 31, 2024. The Company made the applicable cash payment related to the CVRs in May 2023.

As of March 31, 2024, the carrying value of the Company's convertible debt was $575.0 million and the fair value of the Company's convertible debt was estimated to be approximately $636.0 million based on quoted market prices of these instruments and was classified as a Level 1 measurement within the fair value hierarchy.

5. Income Taxes

The Company calculates income taxes at the end of each reporting period based on the estimated effective tax rate for the full year, adjusted for any discrete events which are recorded in the period they occur. Cumulative adjustments to the tax provision are recorded in the reporting period in which a change in the estimated annual effective tax rate is determined. The Company's income tax expense (benefit) and effective tax rate are presented below:

(in thousands)	Three Months Ended March 31, 2024	2023
Income tax expense (benefit)	$ 40,202	$ (8,297)
Effective tax rate	23.5 %	74.7 %

The decrease in the effective income tax rate for the three months ended March 31, 2024 is primarily due to the impact of our stock compensation deductions in relation to the pretax income for the three months ended March 31, 2024 and the pretax loss for the three months ended March 31, 2023.

6. Inventory

Inventory consisted of the following:

(in thousands)	March 31, 2024	December 31, 2023
Raw materials	$ 26,043	$ 31,259
Work in process	23,553	13,807
Finished goods	20,162	18,963
Total inventory	$ 69,758	$ 64,029

Inventory costs associated with products that have not yet received regulatory approval are capitalized if the Company believes there is probable future commercial use of the product and future economic benefit of the asset. If future commercial use of the product is not probable, then inventory costs associated with such product are expensed during the period the costs are incurred. The Company has no inventory pending regulatory approval as of March 31, 2024.

7. Property, Plant and Equipment, Net

Property, plant and equipment, net, consisted of the following:

(in thousands)	March 31, 2024	December 31, 2023
Land	$ 9,480	$ 9,480
Buildings	73,531	73,441
Machinery, equipment and fixtures	101,016	102,576
Computer software	50,121	27,259
Construction in progress	23,728	40,964
	257,876	253,720
Less: accumulated depreciation and amortization	(107,786)	(107,023)
Total property, plant and equipment, net	$ 150,090	$ 146,697

Depreciation and amortization expense related to property, plant and equipment, net, was $5.4 million and $3.4 million for the three months ended March 31, 2024 and 2023, respectively.

During the three months ended June 30, 2023, as a result of a decline in expected future cash flows related to a certain asset group, the Company determined certain impairment triggers had occurred. The Company reviewed revised undiscounted cash flows that were estimated to be generated by the asset group as of June 30, 2023. Based on the undiscounted cash flow analysis, the Company determined that the asset group had net carrying values that exceeded their estimated undiscounted future cash flows. The Company then estimated the fair value of the asset group based on their discounted cash flows. The carrying value exceeded the fair value and as a result, the Company recorded a noncash impairment of $6.0 million for the six months ended June 30, 2023 in cost of goods sold in the consolidated statements of operations.

On January 8, 2024, the Company entered into an agreement with Perspective Therapeutics, Inc. (“Perspective”) to transfer the sublease for the property at 110 Clyde Rd, Somerset, New Jersey as well as sell the associated assets at the Somerset facility for $8.0 million. The transfer of the lease and completion of the asset sale occurred on March 1, 2024. The sale of assets resulted in a derecognition to the right-of-use asset of $0.4 million, the lease liability of $0.4 million and remaining property, plant and equipment of $0.8 million. The Company also incurred commission expense of $1.0 million related to the transaction. The Company recorded a gain of $6.3 million for the three months ended March 31, 2024 within operating income.

See Note 19, “Acquisition of Assets” for further discussion of the Perspective acquisition.

Long-Lived Assets Held for Sale

During the first quarter of 2023, the Company committed to a plan to sell a portion of its land and buildings associated with its Billerica, Massachusetts campus. Effective March 16, 2023, the Company entered into a purchase and sale agreement (the “P&S”) with a prospective buyer. The assets were classified as held for sale and comprised entirely of property, plant and equipment, net. The Company determined that the fair value of the net assets being sold exceeded the carrying value as of March 31, 2024. The purchase price for the campus sale is $10.0 million in cash. The transaction is expected to close during the second quarter of 2024.

8. Accrued Expenses and Other Liabilities and Other Long-Term Liabilities

Accrued expenses and other liabilities and other long-term liabilities are comprised of the following:

(in thousands)	March 31, 2024	December 31, 2023
Compensation and benefits	$ 19,113	$ 36,331
Freight, distribution and operations	89,584	67,529
Accrued rebates, discounts and chargebacks	16,111	16,070
Accrued professional fees	19,442	10,244
Other	54,689	15,164
Total accrued expenses and other liabilities	$ 198,939	$ 145,338
Operating lease liabilities (Note 15)	$ 54,124	$ 54,453
Long-term contingent liabilities (Note 4)	2,700	2,700
Other long-term liabilities	6,283	6,168
Total other long-term liabilities	$ 63,107	$ 63,321

9. Asset Retirement Obligations

The Company considers its legal obligation to remediate its facilities upon a potential decommissioning of its radioactive-related operations as an asset retirement obligation. The Company has a production facility that manufactures and processes radioactive materials at its North Billerica, Massachusetts site. As of March 31, 2024, the asset retirement liability is measured at the present value of the asset retirement liability expected to be incurred and is approximately $25.1 million.

The following table provides a summary of the changes in the Company's carrying value of asset retirement obligations:

(in thousands)	Amount
Balance at January 1, 2024	$ 22,916
Accretion expense	107
Balance at March 31, 2024	$ 23,023

The Company is required to provide the Massachusetts Department of Public Health financial assurance demonstrating the Company's ability to fund the decommissioning of its North Billerica, Massachusetts production facility upon closure. The Company has provided this financial assurance in the form of a $30.3 million surety bond.

10. Intangibles, Net

Intangibles, net, consisted of the following:

			March 31, 2024		
(in thousands)	Useful Lives (in years)	Amortization Method	Cost	Accumulated Amortization	Net
Trademarks	15 - 25	Straight-Line	$ 13,540	$ (12,252)	$ 1,288
Customer relationships	15 - 25	Accelerated	157,916	(122,327)	35,589
Currently marketed products	9 - 15	Straight-Line	132,800	(41,966)	90,834
Licenses	11 - 16	Straight-Line	22,233	(9,280)	12,953
Developed technology	9	Straight-Line	2,400	(1,010)	1,390
Total			$ 328,889	$ (186,835)	$ 142,054

(in thousands)	Useful Lives (in years)	Amortization Method	December 31, 2023 Cost	Accumulated Amortization	Net
Trademarks	15 - 25	Straight-Line	$ 13,540	$ (12,216)	$ 1,324
Customer relationships	15 - 25	Accelerated	157,995	(117,574)	40,421
Currently marketed products	9 - 15	Straight-Line	132,800	(38,277)	94,523
Licenses	11 - 16	Straight-Line	22,233	(7,972)	14,261
Developed technology	9	Straight-Line	2,400	(944)	1,456
Total			$ 328,968	$ (176,983)	$ 151,985

The Company recorded amortization expense for its intangible assets of $9.9 million and $11.1 million for the three months ended March 31, 2024 and 2023, respectively.

On August 2, 2023, the Company sold the right to its RELISTOR royalty asset under its license agreement with Bausch; the Company retained the rights to future sales-based milestone payments. The Company received an initial payment of approximately $98.0 million in connection with the sale and has the right to receive an additional payment from the buyer of $5.0 million if worldwide net sales of RELISTOR in 2025 exceed a specified threshold. The additional payment would be recognized upon achievement of the specified threshold. Decreases of $63.6 million of license assets and $17.5 million of associated accumulated amortization, as well as a gain of $51.8 million were recorded as a result of the sale.

In March 2023, the Company stopped all development activities in relation to a future indication associated with AZEDRA, which was classified as an in-process research and development ("IPR&D") intangible asset. The asset group, which consisted of the IPR&D asset and a currently marketed product (the "AZEDRA intangible asset group"), was assessed for impairment. The Company considered several factors in estimating the future projections of revenues and cash flows of the AZEDRA intangible asset group as part of the impairment testing. The Company concluded that the carrying amount exceeded the fair value of the AZEDRA intangible asset group, which had no value. The Company recorded a non-cash impairment charge of $15.6 million in research and development expenses relating to the IPR&D asset and $116.4 million in cost of goods sold relating to the currently marketed indication of AZEDRA in the consolidated statement of operations for the quarter ended March 31, 2023.

On August 15, 2023, the Company announced that it would discontinue the production and promotion of AZEDRA and would be winding down its Somerset, New Jersey manufacturing site. The Company continued manufacturing AZEDRA during the first quarter of 2024, in order to provide doses of AZEDRA to then-current patients so they could complete their treatment regimen. No AZEDRA was manufactured after March 1, 2024, when the Company transferred the assets and associated lease of its Somerset, New Jersey radiopharmaceutical manufacturing facility to Perspective. See Note 7, "Property, Plant and Equipment, Net" for impairment analysis.

In February 2023, the Company entered into an agreement with the stockholders of Cerveau to purchase all of the outstanding capital stock of Cerveau for approximately $35.3 million. In May 2023, upon successful completion of a technology transfer, the Company paid $10.0 million to the selling stockholders of Cerveau (the "Selling Stockholders"). This additional contingent payment was capitalized as part of the asset cost and increased the Company's customer relationship intangible assets. See Note 19, "Acquisition of Assets" for further discussion of the Cerveau acquisition.

The below table summarizes the estimated aggregate amortization expense expected to be recognized on the above intangible assets:

(in thousands)	Amount
Remainder of 2024	$ 29,795
2025	24,409
2026	25,206
2027	19,680
2028	16,195
2029 and thereafter	26,769
Total	$ 142,054

11. Long-Term Debt, Net, and Other Borrowings

As of March 31, 2024, the Company's maturities of principal obligations under its long-term debt and other borrowings are as follows:

(in thousands)	Amount
Remainder of 2024	$ —
2025	—
2026	—
2027	575,000
Total principal outstanding	575,000
Unamortized debt issuance costs	(13,064)
Finance lease liabilities	1,264
Total	563,200
Less: current portion	(734)
Total long-term debt, net and other borrowings	$ 562,466

2022 Revolving Facility

In December 2022, the Company entered into a $350.0 million five-year revolving credit facility (the "2022 Revolving Facility"). Under the terms of the 2022 Revolving Facility, the lenders are committed to extending credit to the Company from time to time until December 2, 2027 consisting of revolving loans (the "Revolving Loans") in an aggregate principal amount not to exceed $350.0 million (the "Revolving Commitment") at any time, including a $20.0 million sub-facility for the issuance of letters of credit (the "Letters of Credit") and a $10.0 million sub-facility for swingline loans (the "Swingline Loans"). The Revolving Loans, Letters of Credit, and the Swingline Loans, if used, are expected to be used for working capital and for other general corporate purposes.

The Revolving Loans bear interest, with pricing based from time to time at the Company's election, at (i) the secured overnight financing rate as published by the Federal Reserve Bank of New York on its website plus an applicable margin that ranges from 1.50% to 2.50% based on the Company's total net leverage ratio or (ii) the alternative base rate plus an applicable margin that ranges from 0.50% to 1.50% based on the Company's total net leverage ratio. The 2022 Revolving Facility also includes an unused commitment fee at a rate ranging from 0.15% to 0.35% per annum based on the Company's total net leverage ratio.

The Company is permitted to voluntarily prepay the Revolving Loans, in whole or in part, or reduce or terminate the Revolving Commitment, in each case, without premium or penalty. On any business day on which the total amount of outstanding Revolving Loans, Letters of Credit and Swingline Loans exceeds the total Revolving Commitment, the Company must prepay the Revolving Loans in an amount equal to such excess. The Company is not required to make mandatory prepayments under the 2022 Revolving Facility. As of March 31, 2024, there were no outstanding borrowings under the 2022 Revolving Facility.

The Company has the right to request an increase to the Revolving Commitment in an aggregate principal amount of up to the sum of $335.0 million or consolidated EBITDA for the four consecutive fiscal quarters most recently ended, plus additional amounts in certain circumstances (collectively, the "Incremental Cap"), minus certain incremental term loans made pursuant to specified incremental term loan commitments ("Incremental Term Loans"). The Company has the right to request Incremental Term Loans in an aggregate principal amount of up to the Incremental Cap less any incremental increases to the Revolving Commitment. Proceeds of Incremental Term Loans may be used for working capital and for other general corporate purposes and will bear interest at rates agreed between the Company and the lenders providing the Incremental Term Loans.

2022 Facility Covenants

The 2022 Revolving Facility contains a number of affirmative, negative and reporting covenants, as well as financial maintenance covenants pursuant to which the Company is required to be in quarterly compliance, measured on a trailing four quarter basis, with two financial covenants. The minimum interest coverage ratio must be at least 3.00 to 1.00. The maximum total net leverage ratio permitted by the financial covenant is displayed in the table below:

2022 Credit Agreement	
Period	**Total Net Leverage Ratio**
Q1 2024 and thereafter	3.50 to 1.00

The 2022 Revolving Facility contains usual and customary restrictions on the ability of the Company and its subsidiaries to: (i) incur additional indebtedness (ii) create liens; (iii) consolidate, merge, sell or otherwise dispose of all or substantially all of its assets; (iv) sell certain assets; (v) pay dividends on, repurchase or make distributions in respect of capital stock or make other restricted payments; (vi) make certain investments; (vii) repay subordinated indebtedness prior to stated maturity; and (viii) enter into certain transactions with its affiliates.

Upon an event of default, the Administrative Agent will have the right to declare the loans and other obligations outstanding under the 2022 Revolving Facility immediately due and payable and all commitments immediately terminated.

The 2022 Revolving Facility is guaranteed by Lantheus Holdings, and certain subsidiaries of LMI, including Progenics and Lantheus Real Estate, and obligations under the 2022 Revolving Facility are generally secured by first priority liens over substantially all of the assets of each of LMI, Lantheus Holdings, and certain subsidiaries of LMI, including Progenics and Lantheus Real Estate (subject to customary exclusions set forth in the transaction documents) owned as of December 2, 2022 or thereafter acquired.

Convertible Notes

On December 8, 2022, the Company issued $575.0 million in aggregate principal amount of 2.625% Convertible Senior Notes due 2027 (the "Notes"), which includes $75.0 million in aggregate principal amount of Notes sold pursuant to the full exercise of the initial purchasers' option to purchase additional Notes. The Notes were issued under an indenture, dated as of December 8, 2022 (the "Indenture"), among the Company, LMI (the "Guarantor"), a wholly owned subsidiary of the Company, as Guarantor, and U.S. Bank Trust Company, National Association, as Trustee. The net proceeds from the issuance of the Notes were approximately $557.8 million after deducting the initial purchasers' discounts and offering expenses payable by the Company.

The Notes are senior unsecured obligations of the Company. The Notes are fully and unconditionally guaranteed on a senior unsecured basis by the Guarantor. The Notes bear interest at a rate of 2.625% per year, payable semi-annually in arrears on June 15 and December 15 of each year, beginning on June 15, 2023, and will mature on December 15, 2027 unless earlier redeemed, repurchased or converted in accordance with their terms. The initial conversion rate for the Notes is 12.5291 shares of the Company's common stock per $1,000 in principal amount of Notes (which is equivalent to an initial conversion price of approximately $79.81 per share of the Company's common stock, representing an initial conversion premium of approximately 42.5% above the closing price of $56.01 per share of the Company's common stock on December 5, 2022). In no event shall the conversion rate per $1,000 in principal amount of notes exceed 17.8539 shares of the Company's common stock. Prior to the close of business on the business day immediately preceding September 15, 2027, the Notes may be converted at the option of the holders only upon occurrence of specified events and during certain periods, and thereafter until the close of business on the business day immediately preceding the maturity date, the Notes may be converted at any time. The Company will satisfy any conversion by paying cash up to the aggregate principal amount of the Notes to be converted and by paying or delivering, as the case may be, cash, shares of the Company's common stock, or a combination of cash and shares of the Company's common stock, at its election, in respect of the remainder, if any, of its conversion obligation in excess of the aggregate principal amount of the Notes being converted. The Company may redeem for cash all or any portion of the Notes, at its option, on or after December 22, 2025 if the closing sale price per share of the Company's common stock exceeds 130% of the conversion price of the Notes for a specified period of time. The redemption price will be equal to 100% of the principal amount of the Notes to be redeemed, plus accrued and unpaid interest, if any, to, but excluding, the redemption date.

The Company evaluated the Notes upon completion of the sale and concluded on the following features:

- *Conversion Feature:* The Company determined that the conversion feature qualifies for the classification of equity. As a result, the conversion feature should not be bifurcated as a derivative instrument and the Notes were accounted for as a single liability.
- *Redemption Features:* The redemption features were reviewed within the Notes and the Company determined that the redemption features are closely related to the Notes and as such should not be separately accounted for as a bifurcated derivative instrument.
- *Additional Interest Features:* The Notes may result in additional interest if the Company fails to timely file any document that the Company is required to file with the SEC pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934. The Company will pay additional interest on the notes at a rate equal to 0.25% to 0.50% per annum based on the principal amount of notes outstanding for each day the Company failure to file has occurred or the notes are not otherwise freely tradable. Further, if the notes are assigned a restricted CUSIP number or the notes are not otherwise freely tradable pursuant to Rule 144 under the Securities Act by holders other than Company affiliates or holders that were Company affiliates at any time during the three months immediately preceding as of the 385th day after the last date of original issuance of the notes, the Company will pay additional interest on the notes at a rate equal to (i) 0.25% to 0.50% per annum based on the principal amount of notes outstanding for each day until the restrictive legend has been removed from the notes, the notes are assigned an unrestricted CUSIP and the notes are freely tradable. The Company concluded that the interest feature is unrelated to the

credit risk and should be bifurcated from the Notes, however, the Company assessed the probabilities of triggering events occurring under these features and does not expect to trigger the aforementioned events. These events will continue to be monitored to determine whether the interest feature will be bifurcated if it has value.

As of March 31, 2024, the carrying value of the Notes was $575.0 million, the Notes had an unamortized discount of zero, and the fair value of the liability was $636.0 million. The Company recorded interest expense of approximately $3.8 million related to the Notes for the three months ended March 31, 2024. There were no conversions of Notes during the three months ended March 31, 2024.

12. Derivative Instruments

The Company has used, but does not currently use, interest rate swaps to reduce the variability in cash flows associated with portions of the Company's interest payments on variable rate debt.

13. Accumulated Other Comprehensive (Loss) Income

The components of accumulated other comprehensive (loss) income, net of tax of zero for the three months ended March 31, 2024 and 2023 consisted of the following:

(in thousands)	Foreign currency translation	Accumulated other comprehensive (loss)
Balance at January 1, 2024	$ (1,037)	$ (1,037)
Other comprehensive loss before reclassifications	(141)	(141)
Amounts reclassified to earnings	—	—
Balance at March 31, 2024	$ (1,178)	$ (1,178)
Balance at January 1, 2023	$ (1,259)	$ (1,259)
Other comprehensive loss before reclassifications	(119)	(119)
Amounts reclassified to earnings	—	—
Balance at March 31, 2023	$ (1,378)	$ (1,378)

14. Stock-Based Compensation

The following table presents stock-based compensation expense recognized in the Company's accompanying condensed consolidated statements of operations:

	Three Months Ended March 31,	
(in thousands)	2024	2023
Cost of goods sold	$ 2,632	$ 1,642
Sales and marketing	2,792	2,262
General and administrative	7,763	4,402
Research and development	2,197	1,361
Total stock-based compensation expense	$ 15,384	$ 9,667

15. Leases

Operating and finance lease assets and liabilities are as follows:

(in thousands)	Classification	March 31, 2024	December 31, 2023
Assets			
Operating	Other long-term assets	$ 44,382	$ 45,325
Finance	Property, plant and equipment, net	1,224	1,438
Total leased assets		$ 45,606	$ 46,763
Liabilities			
Current			
Operating	Accrued expenses and other liabilities	$ 1,980	$ 1,904
Finance	Current portion of long-term debt and other borrowings	734	823
Noncurrent			
Operating	Other long-term liabilities	54,124	54,453
Finance	Long-term debt, net and other borrowings	530	625
Total leased liabilities		$ 57,368	$ 57,805

On May 4, 2023, the Company entered into a modification to the operating lease for office space in Bedford, Massachusetts (the "Existing Premises") that was executed in February 2022. The lease commenced and was recorded in December 2022 for $11.0 million and the initial term was set to expire in June 2031. The lease modification includes a lease of additional office and laboratory space at the Bedford location (the "Additional Premises") for a term of 15 years and 4 months and extends the term of the lease for the Existing Premises to be coterminous with the term of the lease for the Additional Premises. As a result of the extended term for the Existing Premises, the Company recorded an additional right-of-use asset and liability of $6.0 million in May 2023. The modification also contains a provision to convert the rent schedule of the Existing Premises from gross to triple net in 2024, which may result in an additional adjustment to the right-of-use asset and liability. In September 2023, the landlord provided notice to the Company that its renovations of the Additional Premises were completed. As a result of the notice, the Company recorded an additional right-of-use asset and liability of $23.5 million as of September 1, 2023. To determine the value of the additional right-of-use asset and liability, the Company was required to calculate the discount rate of the lease modification. The discount rate was determined based on the expected lease term and by comparing interest rates in the market for similar borrowings with comparable credit quality of the Company. The lease for the Additional Premises allows for the extension of five years to begin immediately upon the expiration of the original term.

On March 1, 2024, the Company transferred the sublease and completed the asset sale of the Somerset, New Jersey facility. See Note 7, "Property, Plant and Equipment, Net" for further discussion on the lease transfer.

Other information related to leases were as follows:

	March 31, 2024	December 31, 2023
Weighted-average remaining lease term (Years):		
Operating leases	13.3	13.5
Finance leases	2.0	2.3
Weighted-average discount rate:		
Operating leases	7.4%	7.3%
Finance leases	6.2%	6.2%

16. Net Income (Loss) Per Common Share

A summary of net income (loss) per common share is presented below:

(in thousands, except per share amounts)	Three Months Ended March 31, 2024	2023
Net income (loss)	$ 131,066	$ (2,807)
Basic weighted-average common shares outstanding	68,757	67,749
Effect of dilutive stock options	235	—
Effect of dilutive restricted stock	1,103	—
Effect of convertible debt instrument	—	—
Diluted weighted-average common shares outstanding	70,095	67,749
Basic income (loss) per common share	$ 1.91	$ (0.04)
Diluted income (loss) per common share	$ 1.87	$ (0.04)
Antidilutive securities excluded from diluted net income (loss) per common share	2,377	2,953

Impact of the Convertible Notes

The Company considered whether the Notes are participating securities through the two-class method. The Company determined that if a cash dividend is paid that is greater than the then stock price, the holder of Notes will receive cash on an if-converted basis. While this feature is considered to be a participating right, basic earnings per share is only impacted if the Company's earnings exceeds the current share price, regardless of whether such dividend is declared. During the three months ended March 31, 2024 and 2023, no such dividend was declared. In addition, the Company is required to settle the principal amount of the Notes in cash upon conversion, and therefore, the Company uses the if-converted method for calculating any potential dilutive effect of the conversion option on diluted net income per share, if applicable, unless the application of the two-class method is dilutive. The conversion option will have a dilutive impact on net income per share of Common Stock when the average price per share of the Company's common stock for a given period exceeds the conversion price of the Notes of $79.81 per share.

17. Other Income

Other income consisted of the following:

(in thousands)	Three Months Ended March 31, 2024	2023
Foreign currency (gain) loss	$ (217)	$ 246
Tax indemnification (income), net	—	(96)
Interest income	(8,548)	(3,523)
Other	(23)	142
Total other (income) expense, net	$ (8,788)	$ (3,231)

18. Commitments and Contingencies

Legal Proceedings

From time to time, the Company is a party to various legal proceedings arising in the ordinary course of business. In addition, the Company has in the past been, and may in the future be, subject to investigations by governmental and regulatory authorities, which expose it to greater risks associated with litigation, regulatory or other proceedings, as a result of which the Company could be required to pay significant fines or penalties. The costs and outcome of litigation, regulatory or other proceedings cannot be predicted with certainty, and some lawsuits, claims, actions or proceedings may be disposed of unfavorably to the Company and could have a material adverse effect on the Company's results of operations or financial condition. In addition, intellectual property disputes often have a risk of injunctive relief which, if imposed against the Company, could materially and adversely affect its financial condition or results of operations. If a matter is both probable to result in material liability and the amount of loss can be reasonably estimated, the

Company estimates and discloses the possible material loss or range of loss. If such loss is not probable or cannot be reasonably estimated, a liability is not recorded in its condensed consolidated financial statements.

As of March 31, 2024, the Company did not have any material ongoing litigation to which the Company was a party. On January 26, 2024, the Company was sued in the United States District Court for the District of Delaware by Advanced Accelerator Applications USA, Inc. and Advanced Accelerator Applications SA, each a Novartis entity, for patent infringement in response to the filing of the Company's Abbreviated New Drug Application ("ANDA") and Paragraph IV certification in connection with PNT2003, consistent with the process established by the Hatch-Waxman Act. Because the outcome of litigation is uncertain, the Company cannot predict how or when this matter will ultimately be resolved.

19. Acquisition of Assets

On February 6, 2023, the Company acquired Cerveau. Cerveau holds the rights under a license agreement to develop and commercialize MK-6240, an investigational second-generation F 18-labeled positron emission tomography ("PET") imaging agent that targets Tau tangles in Alzheimer's disease. The Company determined that upon review of the Cerveau acquisition, the transaction did not meet the definition of a business combination and is therefore treated as an asset acquisition.

In February 2023, the Company made an upfront payment of approximately $35.3 million to the Selling Stockholders and paid the Selling Stockholders an additional $10.0 million in May 2023 upon the successful completion of a technology transfer. The Company could pay up to an additional $51.0 million in milestone payments upon achievement of specified U.S. regulatory milestones related to MK-6240. The Selling Stockholders are also eligible to receive up to $1.2 billion in sales milestone payments upon the achievement of specified annual commercial sales thresholds of MK-6240 in the event the Company pursues commercialization, as well as up to $13.5 million in research revenue milestones upon achievement of specified annual research revenue thresholds. Additionally, the Company will pay to the Selling Stockholders up to double-digit royalty payments for research revenue and commercial sales. Research revenue is derived from existing partnerships with pharmaceutical companies that use MK-6240 in clinical trials and includes milestone and dose-related payments. The purchase agreement pursuant to which the Company purchased Cerveau specified, among other things, that certain Selling Stockholders provide transition and clinical development services for a prescribed time following the closing of the transaction.

In December 2022, the Company made upfront payments of $260.0 million to POINT Biopharma Global Inc. ("POINT") as part of an asset acquisition with the potential for additional milestone payments of approximately $1.8 billion for the two licensed assets based on U.S. Food and Drug Administration ("FDA") approval and net sales and commercial milestones.

Under the terms of the license agreement between Lantheus Two and POINT for PNT2002, Lantheus Two paid POINT an upfront cash payment of $250.0 million, and could pay up to an additional $281.0 million in milestone payments upon the achievement of specified U.S. and ex-U.S. regulatory milestones related to PNT2002. POINT is also eligible to receive up to $1.3 billion in sales milestone payments upon the achievement of specified annual sales thresholds of PNT2002.

Under the terms of the license agreement between Lantheus Three and POINT for PNT2003, Lantheus Three paid POINT an upfront cash payment of $10.0 million, and could pay up to an additional $34.5 million in milestone payments upon the achievement of specified U.S. and ex-U.S. regulatory milestones related to PNT2003. POINT is also eligible to receive up to $275.0 million in sales milestone payments upon the achievement of specified annual sales thresholds of PNT2003.

Additionally, the Company will pay POINT royalties on net sales, beyond certain financial thresholds and subject to conditions, of 20% for PNT2002 and 15% for PNT2003. Costs of IPR&D projects acquired as part of an asset acquisition that have no alternative future use are expensed when incurred, and therefore, a charge of $260.0 million was recognized in research and development expenses during the year ended December 31, 2022.

On January 8, 2024, the Company entered into an agreement with Perspective to participate in the next qualified financing to purchase shares of Perspective common stock ("Perspective Shares"). On January 22, 2024, the Company purchased 56,342,355 Perspective Shares, representing 11.39% of the outstanding shares of Perspective common stock , at the fair market offering price of $0.37 per share. Included within the agreement is a covenant which allows for the Company to designate one observer to Perspective's board of directors. The observer will have the option to attend any or all board meetings in a nonvoting capacity, will receive any board materials, except under certain instances where attorney-client privilege is necessary, where the material relates to business or contractual relationship with the Company, to avoid bona fide conflict of interest, exposure of trade secrets or relating to a change of control transaction. The Company also purchased 60,431,039 Perspective Shares at a fair market purchase price of $0.95 per share as an investor in a private placement transaction on March 6, 2024, which resulted in the Company holding a cumulative 19.90% of the outstanding Perspective Shares (or 17.35% on a fully diluted basis) after giving effect to the closing of the private placement transaction. The Company does not have the ability to exercise significant influence over operating and financial policies of Perspective given the Company's board observer is nonvoting, and there is otherwise no participation in policy-making processes, no interchange of managerial personnel, and no sharing of technology.

Also effective January 8, 2024, the Company obtained the following options and rights from Perspective for an aggregate upfront payment of $28.0 million in cash:

- An exclusive option from Perspective to negotiate for an exclusive license under the rights of Perspective and its affiliates to Perspective's Pb212-VMT-α-NET, a clinical stage alpha therapy developed for the treatment of neuroendocrine tumors , to develop, manufacture, commercialize and otherwise exploit the VMT-α-NET Product.
- A right to co-fund the investigational new drug application ("IND")-enabling studies for early-stage therapeutic candidates targeting prostate-specific membrane antigen and gastrin releasing peptide receptor and, prior to IND filing, a right to negotiate for an exclusive license to such candidates.
- A right of first offer and last look protections for any third party merger and acquisition transactions involving Perspective for a twelve-month period.

Costs of IPR&D projects acquired as part of an asset acquisition that have no alternative future use are expensed when incurred, and therefore, a charge of $28.0 million was recognized in research and development expenses during the three months ended March 31, 2024.

Also effective January 8, 2024, the Company entered into an agreement with Perspective to transfer the sublease for the property at 110 Clyde Rd, Somerset, New Jersey as well as the associated assets at the Somerset facility for $8.0 million. The transfer of the lease and completion of the asset sale occurred on March 1, 2024 at which time the Company had no further continuing legal obligations related to the lease. See Note 7, "Property, Plant, and Equipment, Net" for additional details.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Cautionary Note Regarding Forward-Looking Statements

Some of the statements contained in this Quarterly Report on Form 10-Q are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These forward-looking statements, including, in particular, statements about our plans, strategies, prospects and industry estimates are subject to risks and uncertainties. These statements identify prospective information and can generally be identified by words such as "anticipates," "believes," "can," "could," "designed," "estimates," "expects," "hopes," "intends," "launch," "may," "pipeline," "plans," "potential," "predicts," "seeks," "should," "target," "will," "would" and similar expressions, or by express or implied discussions regarding potential marketing approvals or new indications for the collaborations, product candidates or approved products described in this Quarterly Report on Form 10-Q, or regarding potential future revenues from such collaborations, product candidates and approved products. Examples of forward-looking statements include statements we make relating to our outlook and expectations including, without limitation, in connection with: (i) continued market expansion and penetration for our established commercial products, particularly PYLARIFY and DEFINITY, in a competitive environment in which other imaging agents have been approved and are being commercialized, and our ability to clinically and commercially differentiate our products; (ii) our ability to have third parties manufacture our products and our ability to manufacture DEFINITY in our in-house manufacturing facility; (iii) the global availability of Molybdenum-99 ("Mo-99") and other raw material and key components; (iv) our strategies, future prospects, and our projected growth, including revenue related to our collaboration agreements with POINT, including our ability to obtain FDA approval for PNT2002 and PNT2003; (v) our ability to satisfy our obligations under our existing clinical development partnerships using MK-6240 as a research tool and under the license agreement through which we have rights to MK-6240, and to further develop and commercialize it as an approved product; (vi) our ability to successfully execute on our agreements with Perspective, including finalizing the license agreements in the event we exercise our options to do so, the value of our current and any future equity interest in Perspective, and Perspective's ability to successfully develop its alpha-particle therapy and innovative platform technology; (vii) the efforts and timing for clinical development, regulatory approval and successful commercialization of our product candidates and new clinical applications and territories for our products, in each case, that we or our strategic partners may undertake; and (viii) our ability to identify and acquire or in-license additional diagnostic and therapeutic product opportunities in oncology and other strategic areas and continue to grow our pipeline of products. Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. Because forward-looking statements relate to the future, such statements are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. Our actual results may differ materially from those contemplated by the forward-looking statements. These statements are neither statements of historical fact nor guarantees or assurances of future performance. The matters referred to in the forward-looking statements contained in this Quarterly Report on Form 10-Q may not in fact occur. We caution you, therefore, against relying on any of these forward-looking statements. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including those described in Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023, and in Part II, Item 1A. "Risk Factors" in this Quarterly Report on Form 10-Q.

Any forward-looking statement made by us in this Quarterly Report on Form 10-Q speaks only as of the date on which it is made. Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law.

Available Information

Our global Internet site is www.lantheus.com. We routinely make available important information, including copies of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act, as soon as reasonably practicable after those reports are electronically filed with, or furnished to, the SEC, free of charge on our website at investor.lantheus.com. We recognize our website as a key channel of distribution to reach public investors and as a means of disclosing material non-public information to comply with our disclosure obligations under SEC Regulation FD. Information contained on our website shall not be deemed incorporated into, or to be part of this Quarterly Report on Form 10-Q, and any website references are not intended to be made through active hyperlinks.

Our reports filed with, or furnished to, the SEC are also available on the SEC's website at www.sec.gov, and for Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q, in an iXBRL (Inline Extensible Business Reporting Language) format. iXBRL is an electronic coding language used to create interactive financial statement data over the Internet. The information on our website is neither part of nor incorporated by reference into this Quarterly Report on Form 10-Q.

The following discussion and analysis of our financial condition and results of operations should be read together with the condensed consolidated financial statements and the related notes included in Item 1 of this Quarterly Report on Form 10-Q as well as the other factors described in Part I, Item 1A. "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023, and in Part II, Item 1A. "Risk Factors" in this Quarterly Report on Form 10-Q.

Overview

Our Business

We are the leading radiopharmaceutical-focused company, delivering life-changing science to enable clinicians to Find, Fight and Follow disease to deliver better patient outcomes. We classify our products in three categories: Radiopharmaceutical Oncology, Precision Diagnostics, and Strategic Partnerships and Other Revenue. Our Radiopharmaceutical Oncology diagnostics and therapeutic candidates help healthcare professionals ("HCPs") Find, Fight and Follow cancer, with a focus in prostate cancer. Our leading Precision Diagnostic products assist HCPs to Find and Follow diseases, with a focus in cardiology. Our Strategic Partnerships focus on enabling precision medicine through the use of biomarkers, digital solutions and pharma solutions platforms.

Our commercial products are used by cardiologists, internal medicine physicians, nuclear medicine physicians, oncologists, radiologists, sonographers, technologists, and urologists working in a variety of clinical settings. We believe that our diagnostic products provide improved diagnostic information that enables HCPs to better detect and characterize, or rule out, disease, with the potential to achieve better patient outcomes, reduce patient risk and limit overall costs throughout the healthcare system.

We produce and market our products throughout the United States (the "United States" or the "U.S."), selling primarily to hospitals, independent diagnostic testing facilities, and radiopharmacies. We sell our products outside the U.S. through a combination of direct distribution in Canada and third-party distribution relationships in Europe, Canada, Australia, Asia-Pacific, Central America and South America.

Our executive offices are located in Bedford, Massachusetts, with additional offices in North Billerica, Massachusetts; Montreal, Canada; and Lund, Sweden.

Recent Developments

CEO Succession Plan

On March 1, 2024, Brian Markison, our then Chair of the Board, became our Chief Executive Officer, and Mary Anne Heino, our then Chief Executive Officer, retired and became the Chair of the Board. As part of this leadership transition, Mr. Markison assumed the role of Executive Chair of the Board as of January 23, 2024 until the effectiveness of his Chief Executive Officer appointment in March, and Board Member Julie McHugh became Lead Independent Director.

Strategic Agreements with Perspective Therapeutics

On January 8, 2024, we entered into multiple strategic agreements with Perspective, a radiopharmaceutical company that is pursuing advanced treatment applications for cancers throughout the body. Under the agreements, we obtained an option to exclusively license Perspective's Pb212-VMT-α-NET, a clinical stage alpha therapy in development for the treatment of neuroendocrine tumors, and an option to co-develop certain early-stage therapeutic candidates targeting prostate cancer using Perspective's innovative platform technology for an aggregate upfront payment of $28.0 million in cash. We also agreed to purchase up to 19.99% of Perspective's outstanding shares of common stock, subject to Perspective's completion of a qualified third-party financing transaction and certain other closing conditions. In addition, Perspective agreed to acquire the assets and associated lease of our radiopharmaceutical manufacturing facility in Somerset, New Jersey.

On January 22, 2024, Lantheus Alpha purchased 56,342,355 shares of Perspective's common stock at a purchase price of $0.37 per share in a private placement transaction for approximately $20.8 million in cash resulting in an ownership of 11.39%. The agreement also provided us with certain pro rata participation rights to maintain our ownership position in Perspective in the event that Perspective makes any public or non-public offering of any equity or voting securities, subject to certain exceptions.

On March 1, 2024, our subsidiary, Progenics, transferred the fixed assets and associated lease of our Somerset facility to Perspective, and the parties entered into a transition services arrangement by which we will provide Perspective certain services relating to final disposal of radioactive waste and certain other related services.

On March 6, 2024, we exercised our right to purchase additional shares of Perspective's common stock by purchasing 60,431,039 shares at a price of $0.95 per share. The total consideration for this additional purchase was approximately $57.4 million in cash, resulting in Lantheus Alpha holding approximately 19.90% of the outstanding Perspective common stock (or 17.35% on a fully diluted basis) as of March 6, 2024.

For more information, see Note 19, "Acquisition of Assets" in our consolidated financial statements herein.

Exclusive License for PNT2002 & PNT2003

On December 20, 2022, we announced the closing of a set of strategic collaborations with POINT, in which we were granted a license to exclusive worldwide rights (excluding Japan, South Korea, China (including Hong Kong, Macau and Taiwan), Singapore and Indonesia) to co-develop and commercialize POINT's PNT2002 and PNT2003 product candidates. PNT2002 is a PSMA-targeted radiopharmaceutical therapy in development for the treatment of metastatic castration-resistant prostate cancer ("mCRPC"). PNT2003 is a somatostatin receptor ("SSTR") therapy with non-carrier added lutetium-177, which is in registration to treat patients with SSTR-positive neuroendocrine tumors.

On December 27, 2023, Eli Lilly and Company announced the completion of its acquisition of POINT. The acquisition is not expected to impact the status of the license agreements related to these product candidates or the work being performed in connection with those license agreements and our collaboration with POINT.

PNT2002

With respect to PNT2002, POINT is generally responsible for funding and development activities required for FDA approval, including generating all clinical and nonclinical data, analysis and other information, and we are responsible for preparing for and seeking regulatory approval, as well as performing and funding all future development and commercialization following such approval. POINT will be responsible for all manufacturing of PNT2002, subject to certain exceptions described in the license and collaboration agreement between Lantheus Two and POINT, dated November 11, 2022 (the "PNT2002 License Agreement").

In April 2023, we announced with POINT that the FDA had granted Fast Track designation for PNT2002. Fast Track is a process designed to facilitate the development and expedite the review of drugs to treat serious conditions and address unmet needs.

On December 18, 2023, we announced positive topline results from SPLASH. SPLASH is designed to evaluate the efficacy and safety of PNT2002 in patients with mCRPC who have progressed following treatment with an androgen receptor pathway inhibitor ("ARPI"). The SPLASH trial met its primary endpoint, demonstrating a median radiographic progression-free survival (rPFS) per blinded independent central review of 9.5 months for patients treated with PNT2002, compared to 6.0 months for patients treated with ARPI in the control arm, a statistically significant 29% reduction in the risk of radiographic progression or death (hazard ratio ("HR") 0.71; p=0.0088). At the time of the analysis, interim overall survival ("OS") results were immature (46% of protocol-specified target OS events reached), and the HR was 1.11. We plan to analyze overall survival data when it has matured to 75% of protocol-specified target OS events, which we expect to occur in the third quarter of 2024.

PNT2002 demonstrated a favorable safety profile with grade ≥3 treatment-emergent adverse events (TEAEs) per Common Terminology Criteria for Adverse Events, serious TEAEs, and TEAEs leading to discontinuation occurring at lower rates in the PNT2002 arm than in the control arm (30.1%, 17.1%, and 1.9% versus 36.9%, 23.1%, and 6.2%, respectively).

The open-label study randomized 412 patients with PSMA-expressing mCRPC who had progressed on ARPI therapy and either refused or were not eligible for chemotherapy, in a 2:1 randomization ratio. At the time of the analysis, 84.6% of patients who experienced progressive disease in the control arm subsequently crossed over to receive PNT2002. SPLASH was conducted across the U.S., Canada, Europe, and the United Kingdom. Eighty percent of SPLASH patients resided in North America and approximately ten percent of all participants were Black or African American.

During 2023, we worked on establishing an Expanded Access Program, ("EAP"), for PNT2002. EAPs, which are also referred to as compassionate use programs, provide a potential pathway for patients with serious or life-threatening conditions to gain access to an investigational drug for treatment outside of a clinical trial. The first patients in the EAP for PNT2002 began treatment during the first quarter of 2024.

PNT2003

With respect to PNT2003, POINT is responsible for curating all data, analysis and other information necessary for regulatory approval, and supporting us in the preparation of regulatory filings. We are responsible for preparing for and seeking regulatory approval of all such applications, as well as performing and funding all future development and commercialization following such approval. POINT will be responsible for all manufacturing of PNT2003, subject to certain exceptions described in the license and collaboration agreement between Lantheus Three and POINT, dated November 11, 2022 (the "PNT2003 License Agreement").

On January 11, 2024, we announced that our ANDA for PNT2003 had been accepted for filing by the FDA. On January 26, 2024, we were sued in the District Court for the District of Delaware by Advanced Accelerator Applications USA, Inc. and Advanced Accelerator Applications SA, each a Novartis entity, for patent infringement in response to our ANDA filing and Paragraph IV certification, consistent with the process established by the Hatch-Waxman Act. Under the terms of the Hatch-Waxman Act, FDA approval of our ANDA filing could be subject to a stay of up to 30-months. If our filing is stayed for the full 30-month period and we are successful in obtaining FDA approval, pending successful resolution of the Hatch-Waxman litigation, we would expect to launch PNT2003 in 2026, although no assurance of that approval or timing can be assured. Based on the most recent update to the FDA's online paragraph IV database listings, we believe we are the first applicant to have filed a substantially complete ANDA for Lutetium

Lu 177 Dotatate containing a Paragraph IV certification under the provisions of the Hatch-Waxman Act. As the first applicant, if our ANDA is approved, we believe we will be eligible for 180 days of generic marketing exclusivity in the U.S.

For more information, see Note 19, "Acquisition of Assets" in our consolidated financial statements included herein.

Acquisition of Cerveau Technologies, Inc.

On February 6, 2023, we announced that we acquired Cerveau. Cerveau holds the rights under a license agreement to develop and commercialize MK-6240, an investigational second-generation F 18-labeled PET imaging agent that targets Tau tangles in Alzheimer's disease. Under the terms of the purchase agreement, we paid the Selling Stockholders an upfront payment of $35.3 million in February 2023 and paid an additional $10.0 million in May 2023 upon the successful completion of a technology transfer. The Selling Stockholders are also eligible to receive additional development and commercial milestone payments. Additionally, we will pay double-digit royalty payments for research revenue and commercial sales. Research revenue is derived from existing partnerships with pharmaceutical companies that use MK-6240 in clinical trials and includes milestone and dose-related payments. Pursuant to the terms of the purchase agreement for Cerveau, certain Selling Stockholders also provided transition and clinical development services for a prescribed time following the closing of the transaction.

In September 2023, MK-6240 was granted Fast Track designation by the FDA. In February 2024, we announced our collaboration with a National Institute on Aging-sponsored study called the Consortium for Clarity in ADRD Research Through Imaging (CLARiTI). This agreement enables the consortium to use MK-6240 in its investigation of Alzheimer's disease and related dementias. The CLARiTI study will involve all 37 Alzheimer's Disease Research Centers in the United States which will recruit 2,000 subjects and collect their imaging and blood-based biomarker data to generate etiologic profiles for cases of mixed dementia..

For more information, see Note 19, "Acquisition of Assets" in our consolidated financial statements included herein.

Sale of RELISTOR Licensed Intangible Asset Associated with Net Sales Royalties

On August 2, 2023, we sold the right to our RELISTOR royalty asset, which is classified as a licensed intangible asset; we retained the rights to future sales-based milestone payments. We received an initial payment of approximately $98.0 million in connection with the sale and we have the right to receive an additional payment from the buyer of $5.0 million if worldwide net sales of RELISTOR in 2025 exceed a specified threshold. The additional payment would be recognized upon achievement of the specified threshold. Decreases of $63.6 million of license assets and $17.5 million of associated accumulated amortization, as well as a gain of $51.8 million were recorded as a result of the sale. During the fourth quarter of 2023, the Company earned a $15.0 million sales-based milestone payment.

For more information, see Note 10, "Intangibles, Net" in our consolidated financial statements included herein.

Discontinuation of AZEDRA

On August 15, 2023, we announced that we would discontinue the production and promotion of AZEDRA and wind down our Somerset, New Jersey manufacturing site. We continued manufacturing AZEDRA during the first quarter of 2024, to provide doses of AZEDRA to then-current patients so they could complete their treatment regimen. No AZEDRA was manufactured after March 1, 2024, when we transferred the assets and associated lease of our Somerset, New Jersey radiopharmaceutical manufacturing facility to Perspective.

For more information, see Note 10, "Intangibles, Net" in our consolidated financial statements included herein.

Key Factors Affecting Our Results

Our business and financial performance have been, and continue to be, impacted by the following:

Continued Growth of PYLARIFY

PYLARIFY, an F 18-labeled PET imaging agent targeting PSMA, was approved by the FDA in May 2021 and commercially launched in the U.S. in June 2021. PYLARIFY is indicated for PET imaging of PSMA-positive lesions in men with prostate cancer with suspected metastasis who are candidates for initial definitive therapy and in men with suspected recurrence based on elevated PSA levels. Both the National Comprehensive Cancer Center guidelines and the Society for Nuclear Medicine and Molecular Imaging appropriate use criteria note that PSMA PET imaging agents, including PYLARIFY, can be used for patient selection for PSMA-targeted radioligand therapy. PYLARIFY is available through a diverse, multi-partner network of PET manufacturing facilities ("PMFs"), including both commercial and academic partners.

The successful growth of PYLARIFY is dependent on our ability to sustain PYLARIFY as the leading PSMA PET imaging agent in an increasingly competitive marketplace. PYLARIFY's competition includes two commercially available gallium-68-based PSMA imaging agents, an approved fluorine-18-based PSMA imaging agent, and other non-PSMA-based imaging agents commonly referred to as conventional imaging. We previously hired additional employees to assist us with the commercialization of PYLARIFY, including in Sales, Marketing, Reimbursement, Quality and Medical Affairs, and we will continue to make commercial investments necessary to drive PYLARIFY awareness and adoption. We believe that PYLARIFY currently has the largest dedicated field-based commercial team in the PSMA PET imaging agent space. Continued growth and revenue contribution from PYLARIFY will also depend on our ability to differentiate PYLARIFY in light of the potential loss of Transitional Pass-Through Payment ("TPT Status"), including through flexible and dependable access to PYLARIFY nationally, a best in class customer experience and through long-term strategic partnerships.

Our HCPCS code, which enables streamlined billing, went into effect as of January 1, 2022. In addition, effective January 1, 2022, CMS granted TPT Status in the hospital outpatient setting for PYLARIFY, enabling traditional Medicare to provide an incremental payment for PET/CT scans performed with PYLARIFY in that setting. TPT Status for PYLARIFY could expire on December 31, 2024.

In 2023 rulemaking for the 2024 payment calendar year, CMS recognized the challenges of patient access to diagnostic radiopharmaceuticals and requested feedback on various payment alternatives that could provide separate reimbursement for these items, but the agency did not adopt any of these proposals in the final rule, while stating that it would continue to evaluate this issue in subsequent rulemaking. We intend to submit comments in connection with CMS's 2024 rulemaking for 2025 payment calendar year to request that CMS establish separate payment for diagnostics instead of the current packaged payment following expiration of TPT Status.

Our plan to successfully grow PYLARIFY has also included highlighting its commercial and clinical value, as well as through strategic partnerships and collaborations, both for the commercialization of our product outside of the United States as well as for the use of our product potentially for additional indications or in connection with the development of PSMA-targeted therapeutics. With respect to commercializing PYLARIFY outside of the U.S., we previously licensed exclusive rights to Curium to develop and commercialize piflufolastat F 18 in Europe. In July 2023, Curium announced that it received marketing authorization from the European Commission for piflufolastat F 18, which is being commercialized in the EU under the brand name PYLCLARI. With respect to the use of PYLARIFY in connection with the development of PSMA-targeted therapeutics, we have entered into multiple strategic collaborations with pharmaceutical companies. Additional information on collaborations using PYLARIFY are described further under Part I, Item 1. "Business - Strategic Partnerships and Other Revenue – Oncology" in our Annual Report on Form 10-K for the year ended December 31, 2023.

In connection with the acquisition of Progenics in June 2020, we issued CVRs tied to the financial performance of PYLARIFY. We paid $99.6 million to the CVR holders during May 2023 in full satisfaction of our obligations under the CVRs.

PYLARIFY AI Use

During 2021, we announced that EXINI was granted 510(k) clearance by the FDA in the U.S. and received European Conformity Marking ("CE marking") in Europe for aPROMISE. We commercially launched aPROMISE under the name PYLARIFY AI in the U.S. in November 2021. During the second quarter of 2022, we received a new 510(k) clearance for an updated version of our PYLARIFY AI platform.

PYLARIFY AI is artificial intelligence medical device software developed to assist with the reading and quantification of PYLARIFY scans. The technology automatically analyzes a PSMA PET/CT image to segment anatomical regions – 51 bones and 12 soft tissue organs. This image segmentation enables automated localization, detection and quantification of potential PSMA-avid lesions in a PSMA PET/CT image, which data is then incorporated into the reporting system used by physicians.

During the third quarter of 2023, in collaboration with Curium, we customized and released our PYLARIFY AI platform for use in Europe. At the European Association of Nuclear Medicine meeting in Vienna, the PYLARIFY AI presentation was awarded the Top Rated Oral Presentation for response evaluation of metastatic prostate cancer patients.

Also in the third quarter of 2023, we announced a data agreement with the Prostate Cancer Clinical Trial Consortium (PCCTC) on its IRONMAN Registry for development and validation of PSMA biomarkers with PYLARIFY AI. The IRONMAN is the International Registry for Men with Advanced Prostate Cancer, the Registry is accumulating contextualized clinical and imaging data from more than 100 institutions across the globe.

During 2023, we also entered into an agreement with PIONEER (Prostate Cancer DIagnOsis and TreatmeNt Enhancement through the Power of Big Data in EuRope), led by the European Association of Urology (project Coordinator) and Bayer AG (private

leader) to use our AI technology to help validate the clinical utility of PYLARIFY AI enabled PSMA biomarker to diagnose, treat and monitor prostate cancer patients. PIONEER is a European Network of Excellence for Big Data in Prostate Cancer, consisting of 34 private and public stakeholders in prostate cancer research and clinical care from across 9 countries.

Continued Growth of DEFINITY

We believe we will be able to increase use of DEFINITY through continued education of physicians and healthcare providers about the benefits of ultrasound enhancing agents in suboptimal echocardiograms. The U.S. market currently has three echocardiography ultrasound enhancing agents approved by the FDA; we estimate that DEFINITY will continue to hold at least an 80% share of the U.S. segment for ultrasound enhancing agents in echocardiography procedures.

As we continue to expand our microbubble franchise, our activities include:

- *Expansion of Label* – In March 2024, we received FDA approval for our supplemental new drug application for the use of DEFINITY in pediatric patients with suboptimal echocardiograms. The FDA decision was based on usage data from three pediatric clinical trials conducted with DEFINITY.
- *Patents* – We continue to actively pursue additional patents in connection with DEFINITY and DEFINITY RT, both in the U.S. and internationally. In the U.S. for DEFINITY, we have six Orange Book-listed method-of-use patents, one of which expires in 2035 and five of which expire in 2037, as well as additional manufacturing patents that are not Orange Book-listed expiring in 2037. For DEFINITY RT, we have eight Orange Book-listed patents, including two composition of matter patents which expire in 2035.
- *VIALMIX RFID* – DEFINITY is activated through the use of medical devices branded as VIALMIX and VIALMIX RFID. The activation rate and time are controlled by VIALMIX RFID through the use of radio-frequency identification technology ("RFID") to ensure reproducible activation of DEFINITY. The RFID tag, which is affixed to the vial label, enables the DEFINITY vial to be appropriately activated with the VIALMIX RFID activation device.
- *DEFINITY RT* - The formulation of DEFINITY that we have branded as DEFINITY RT allows both storage and shipment at room temperature and provides clinicians an additional choice and use in broader clinical settings.

Expansion of Strategic Partnerships and Other Revenue

We continue to seek ways to further increase the overall value of our portfolio of products and product candidates. We are evaluating a number of different opportunities to collaborate, in-license or acquire additional products, product candidates, businesses and technologies to drive our future growth. In particular, we are focused on late-stage radiopharmaceutical therapeutic and diagnostic product opportunities in oncology and other strategic areas that will complement our existing portfolio.

Our Strategic Partnerships and Other Revenue category includes our Strategic Partnerships, Pharma Solutions and Digital Solutions businesses and is focused on enabling precision medicine with biomarkers and digital solutions.

- *Strategic Partnerships* – We seek to monetize our assets through our Strategic Partnerships business, by optimizing core assets geographically and by driving value through non-core assets. For example, with respect to PYLARIFY, we have licensed the development and commercialization rights of that imaging agent in Europe to Curium. Similarly, we licensed the commercialization rights for flurpiridaz fluorine-18 to GE Healthcare Limited.
- *Pharma Solutions* – We use our Pharma Solutions business to offer our Biomarkers and Microbubble Platforms to pharmaceutical and start-up companies to support their research and development of therapeutic drugs and devices. The strategic goal of our Pharma Solutions business is to gain early access to innovation, de-risk the development, data generation and co-funding of our pipeline through collaborations, embed our technologies in the clinical ecosystem and establish the clinical utility of product candidates and research tools in our pipeline. Our Biomarkers are intended to support patient selection and the monitoring of disease progression. For example, piflufolastat F 18 is currently being used by Curium and Regeneron in those companies' prostate cancer therapeutic drug development programs, and was also used in the development of PNT2002. Our acquisition of Cerveau in February 2023 added MK-6240 to our biomarker portfolio. MK-6240 is currently being used in more than ninety active clinical trials for several Alzheimer's disease therapeutic candidates. Most recently, in collaboration with Ratio, we completed a Phase 1 study for LNTH-1363S to evaluate the pharmacokinetics, biodistribution and radiation dosimetry in adult healthy volunteers and plan to initiate a Phase 1/2a study in patients in 2024. LNTH-1363S is our investigational fibroblast activation protein, copper-64 labeled PET imaging agent candidate that we believe could have broad potential imaging applicability and use in oncology.

  With respect to our Microbubble Platform, we generally enter into collaborations with partners that are designed to include our microbubble as part of a kit used with our partner's medical device for therapeutic applications. In these collaborations, our microbubble is intended to be used as a vehicle to deliver a therapeutic drug.

- *Digital Solutions* – Our Digital Solutions are designed to enhance imaging value and the throughput, reproducibility and reliability of image analysis, as well as to inform treatment selection and response to therapy. Our Digital Solutions include aPROMISE and aBSI (as defined below), both of which are FDA cleared and CE marked. aPROMISE, which is currently sold as PYLARIFY AI in the U.S., is artificial intelligence medical device software that is designed to allow healthcare professionals and researchers to perform standardized quantitative assessment of PSMA PET/CT images in prostate cancer, including those images obtained by using PYLARIFY. Automated Bone Scan Index ("aBSI") automatically calculates the disease burden of prostate cancer by detecting and classifying bone scan tracer uptakes as metastatic or benign lesions using an artificial neural network. The software is currently used as one of the correlative objectives of the DORA trial, an open-labeled, randomized, Phase 3 study of docetaxel versus docetaxel in combination with radium-223 (Ra-223) in subjects with mCRPC. We offer our Digital Solutions to HCPs for clinical use and to pharmaceutical companies for development purposes, and in some cases, we also obtain clinical imaging data that we may use to further develop artificial intelligence solutions.

Global Mo-99 Supply

We currently have Mo-99 supply agreements with Institute for Radioelements ("IRE"), running through December 31, 2024, with auto-renewal provisions that are terminable upon notice of non-renewal, and with NTP Radioisotopes ("NTP"), acting for itself and on behalf of its subcontractor, the Australian Nuclear Science and Technology Organisation ("ANSTO"), running through December 31, 2024.

Although we believe we have the most globally diverse Mo-99 supply with IRE in Belgium, NTP in South Africa, and ANSTO in Australia, we still face supplier and logistical challenges in our Mo-99 supply chain. When one supplier experiences outages, we generally rely on Mo-99 supply from the other suppliers to limit the impact of the outages. We believe we effectively manage these various supply chain challenges, but depending on reactor and processor schedules and operations, at times we have not been able to fill some or all of the demand for our TechneLite generators on certain manufacturing days. A prolonged disruption of service from one of our three Mo-99 processing sites or one of their main Mo-99-producing reactors could have a negative effect on our business, results of operations, financial condition and cash flows.

Inventory Supply & Third Party Suppliers

We obtain a substantial portion of our imaging agents from third-party suppliers. Jubilant HollisterStier ("JHS") is currently a significant supplier of DEFINITY and our sole source manufacturer of NEUROLITE, CARDIOLITE and evacuation vials, the latter being an ancillary component for our TechneLite generators. Our manufacturing and supply agreement with JHS (the "JHS MSA") runs through December 31, 2027 and can be further extended by mutual agreement of the parties. The JHS MSA requires us to purchase from JHS specified percentages of our total requirements for DEFINITY, as well as specified quantities of NEUROLITE, CARDIOLITE and evacuation vial products, each year during the contract term. Either party can terminate the JHS MSA upon the occurrence of certain events, including the material breach or bankruptcy of the other party. In addition to JHS, we rely on Samsung Biologics Co., Ltd. as our sole source manufacturer of DEFINITY RT.

In 2021, we completed the construction of a specialized in-house manufacturing facility at our North Billerica campus to produce the formulation of DEFINITY that requires refrigerated storage. On February 22, 2022, we received FDA approval of our supplemental new drug application authorizing commercial manufacturing of DEFINITY at our new facility. We believe this investment provides supply chain redundancy, improved flexibility and reduced costs in a potentially more price competitive environment.

Radiopharmaceuticals are decaying radioisotopes with half-lives ranging from a few hours to several days. Radiopharmaceutical finished goods, such as doses of PYLARIFY, cannot be kept in inventory because of their limited shelf lives and are subject to just-in-time manufacturing, processing and distribution, which takes place at our 54 PMF manufacturing sites across the U.S., with respect to PYLARIFY, and at our facilities in North Billerica, Massachusetts, with respect to our TechneLite generators and Xenon.

Research and Development Expenses

To ensure we remain the leading radiopharmaceutical-focused company in our industry, we have historically made and will continue to make substantial investments in new product development and lifecycle management for existing products, including:

- For PYLARIFY, we recently enrolled the first patient in a clinical trial to determine whether PYLARIFY can detect the presence or absence of additional prostate cancer lesions in patients with favorable intermediate-risk prostate cancer, as well as how it may change the patient's intended management. We also continue to support investigator sponsored research with the potential to expand the clinical utility of PYLARIFY.
- For PNT2002 and PNT2003, we were granted a license to exclusive worldwide rights (excluding certain countries) for $260.0 million in upfront payments during the fourth quarter of 2022 and will potentially make additional payments as

described below. We also filed an ANDA for PNT2003 as described further in the section entitled "Exclusive License for PNT2002 and PNT2003" above.

- For LNTH-1363S, in collaboration with Ratio Therapeutics, we recently completed a Phase 1 study for LNTH-1363S to evaluate the pharmacokinetics, biodistribution and radiation dosimetry in adult healthy volunteers. We plan to initiate a Phase 1/2a study in patients in 2024.
- For 1095, our PSMA-targeted iodine-131-labeled small molecule product candidate, we enrolled the last patient in our ARROW Phase 2 study during the second quarter of 2022. Patients in this study will be followed for one year after their first treatment for all efficacy endpoints and survival and safety data will be collected for an additional year.

PNT2002

Under the terms of the PNT2002 License Agreement, Lantheus Two paid POINT an upfront cash payment of $250.0 million, and could pay up to an additional $281.0 million in milestone payments upon the achievement of specified U.S. and ex-U.S. regulatory milestones related to PNT2002. POINT is also eligible to receive up to $1.3 billion in sales milestone payments upon the achievement of specified annual sales thresholds of PNT2002. In addition, after Lantheus Two achieves $500.0 million in cumulative gross profit, POINT is eligible to receive royalty payments of twenty percent of net sales of PNT2002. Prior to achieving that financial recoupment threshold, POINT is eligible to receive royalty payments of twenty percent on that portion of annual net sales of PNT2002 that generate annual gross profit in excess of specified levels.

PNT2003

Under the terms of the PNT2003 License Agreement, Lantheus Three, LLC paid POINT an upfront cash payment of $10.0 million, and could pay up to an additional $34.5 million in milestone payments upon the achievement of specified U.S. and ex-U.S. regulatory milestones related to PNT2003. POINT is also eligible to receive up to $275.0 million in sales milestone payments upon the achievement of specified annual sales thresholds of PNT2003. In addition, POINT is eligible to receive royalty payments of fifteen percent of net sales of PNT2003.

Our investments in these additional clinical activities and lifecycle management opportunities will increase our operating expenses and impact our results of operations and cash flow, and we can give no assurances as to whether any of our clinical development candidates or lifecycle management opportunities will be successful.

Results of Operations

The following is a summary of our consolidated results of operations:

(in thousands)	Three Months Ended March 31, 2024	2023	Change $	Change %
Revenues	$ 369,975	$ 300,784	$ 69,191	23.0 %
Cost of goods sold	128,129	223,708	(95,579)	(42.7)%
Gross profit	241,846	77,076	164,770	213.8 %
Operating expenses				
Sales and marketing	45,546	32,617	12,929	39.6 %
General and administrative	47,895	23,271	24,624	105.8 %
Research and development	48,024	30,532	17,492	57.3 %
Total operating expenses	141,465	86,420	55,045	63.7 %
Gain on sale of assets	6,254	—	6,254	N/A
Operating income (loss)	106,635	(9,344)	115,979	(1241.2)%
Interest expense	4,859	4,991	(132)	(2.6)%
Investment in equity securities - unrealized gain	(60,704)	—	(60,704)	N/A
Other income	(8,788)	(3,231)	(5,557)	172.0 %
Income (loss) before income taxes	171,268	(11,104)	182,372	(1642.4)%
Income tax expense (benefit)	40,202	(8,297)	48,499	(584.5)%
Net income (loss)	$ 131,066	$ (2,807)	$ 133,873	(4769.3)%

Comparison of the Periods Ended March 31, 2024 and 2023

Revenues

We classify our revenues into three product categories: Radiopharmaceutical Oncology, Precision Diagnostics, and Strategic Partnerships and Other Revenue. Radiopharmaceutical Oncology consists of PYLARIFY and AZEDRA. In 2023, we announced our decision to discontinue the production and promotion of AZEDRA and we do not expect AZEDRA revenue to contribute to the business after the first quarter of 2024. Precision Diagnostics includes DEFINITY, TechneLite and other diagnostic imaging products. Strategic Partnerships and Other Revenue primarily includes out-licensing arrangements and partnerships that focus on facilitating precision medicine through the use of biomarkers, digital solutions and radiotherapeutic platforms.

Revenues are summarized by product category on a net basis as follows:

	Three Months Ended March 31,			
(in thousands)	**2024**	**2023**	**Change $**	**Change %**
PYLARIFY	$ 258,870	$ 195,470	$ 63,400	32.4 %
Other radiopharmaceutical oncology	384	717	(333)	(46.4)%
Total radiopharmaceutical oncology	259,254	196,187	63,067	32.1 %
DEFINITY	76,564	68,824	7,740	11.2 %
TechneLite	21,714	20,986	728	3.5 %
Other precision diagnostics	5,932	5,807	125	2.2 %
Total precision diagnostics	104,210	95,617	8,593	9.0 %
Strategic partnerships and other revenue	6,511	8,980	(2,469)	(27.5)%
Total revenues	$ 369,975	$ 300,784	$ 69,191	23.0 %

The increase in revenues for the three months ended March 31, 2024, is primarily driven by an increase in PYLARIFY and DEFINITY sales volume, as well as revenue generated by Cerveau, offset by the sale of the RELISTOR royalty asset as recorded in Strategic Partnerships and Other Revenue.

Rebates and Allowances

Estimates for rebates and allowances represent our estimated obligations under contractual arrangements with third parties. Rebate accruals and allowances are recorded in the same period the related revenue is recognized, resulting in a reduction to revenue and the establishment of a liability which is included in accrued expenses. These rebates and allowances result from performance-based offers that are primarily based on attaining contractually specified sales volumes and growth, Medicaid rebate programs for our products, administrative fees of group purchasing organizations and certain distributor related commissions. The calculation of the accrual for these rebates and allowances is based on an estimate of the third-party's expected purchases and the resulting applicable contractual rebate to be earned over a contractual period.

An analysis of the amount of, and change in, reserves is summarized as follows:

(in thousands)	**Rebates and Allowances**
Balance, January 1, 2024	$ 16,070
Provision related to current period revenues	13,962
Payments or credits made during the period	(13,921)
Balance, March 31, 2024	$ 16,111

Gross Profit

The increase in gross profit for the three months ended March 31, 2024, as compared to the prior year period, is primarily due to the impairment of the AZEDRA currently marketed intangible asset in the prior year not repeating, and an increase in PYLARIFY and DEFINITY sales volumes, partially offset by the decrease of the RELISTOR royalty asset due to the sale of the asset.

Sales and Marketing

Sales and marketing expenses consist primarily of salaries and other related costs for personnel in field sales, marketing, and customer service functions. Other costs in sales and marketing expenses include the development of advertising and promotional material, business analytics, professional services, market research and market access, and sales meetings.

Sales and marketing expenses increased $12.9 million for the three months ended March 31, 2024, as compared to the prior year period. This was primarily driven by our investment in sales and marketing efforts in connection with the expansion of our PYLARIFY sales force and revised brand strategy intended to support and expand adoption of PYLARIFY in the first half of 2023.

General and Administrative

General and administrative expenses consist of salaries and other related costs for personnel in executive, finance, legal, information technology and human resource functions. Other costs included in general and administrative expenses are professional fees for information technology services, external legal fees, consulting and accounting services as well as bad debt expense, certain facility and insurance costs, including director and officer liability insurance.

General and administrative expenses increased $24.6 million for the three months ended March 31, 2024 compared to the prior period. This was primarily driven by investment in technology, higher stock compensation, increased headcount and employee-related costs, and higher professional fees.

Research and Development

Research and development expenses relate primarily to the development of new products to add to our portfolio and costs related to our medical affairs, medical information and regulatory functions.

Research and development expenses increased $17.5 million for the three months ended March 31, 2024 as compared to the prior year period. This was primarily driven by an upfront option payment of $28.0 million to Perspective, increased headcount and employee-related costs as well as MK-6240 research and development expenses. This increase was offset, in part, by a non-cash impairment charge in the prior year associated with an IPR&D asset of $15.6 million and lower clinical expenses related to our ARROW Phase 2 study.

Interest Expense

Interest expense decreased by approximately $0.1 million for the three months ended March 31, 2024 as compared to the prior year period.

Investment in Equity Securities - Unrealized Gain

Investment in equity securities - unrealized gain relates to the fair value adjustment of the investment in equity securities for the three months ended March 31, 2024.

Income Tax Expense

Our effective tax rate for each reporting period is presented as follows:

	Three Months Ended March 31,	
	2024	**2023**
Effective tax rate	23.5%	74.7%

Our effective tax rate for the three months ended March 31, 2024 differs from the U.S. statutory rate of 21% primarily due to state income taxes, partially offset by the income tax benefits associated with stock compensation deductions.

The decrease in the effective income tax rate for the three months ended March 31, 2024 is primarily due to the impact of our stock compensation deductions in relation to the pretax income for the three months ended March 31, 2024 and the pretax loss for the three months ended March 31 2023.

Liquidity and Capital Resources

Cash Flows

The following table provides information regarding our cash flows:

	Three Months Ended March 31,	
(in thousands)	**2024**	**2023**
Net cash provided by operating activities	$ 127,238	$ 108,500
Net cash used in investing activities	$ (106,529)	$ (44,513)
Net cash used in financing activities	$ (16,845)	$ (8,669)

Net Cash Provided by Operating Activities

Net cash provided by operating activities of $127.2 million in the three months ended March 31, 2024 was primarily comprised of net income adjusted for the net effect of non-cash items such as unrealized gain on equity investment, charges incurred in connection with the Perspective IPR&D exclusive license option, depreciation, amortization and accretion expense, and stock-based compensation expense. The primary working capital sources of cash were the timing of payments to large vendors. The primary working capital uses of cash were an increase in trade receivables associated primarily with the increase in PYLARIFY revenues, and an increase in inventory related to the timing of batch processes.

Net cash provided by operating activities of $108.5 million in the three months ended March 31, 2023 was primarily comprised of net income adjusted for the net effect of non-cash items such as impairment of long-lived assets, depreciation, amortization and accretion expense and stock-based compensation expense. The primary working capital sources of cash were the timing of payments for income taxes and to large vendors. The primary working capital uses of cash were an increase in trade receivables associated primarily with the increase in PYLARIFY revenues.

Net Cash Used in Investing Activities

Net cash used in investing activities during the three months ended March 31, 2024 was driven by an upfront option payment of $28.0 million to Perspective, $78.3 million for the purchase of equity securities, $8.3 million of capital expenditures partially offset by net cash proceeds of $8.0 million from the sale of the Somerset facility sublease and associated assets.

Net cash used in investing activities during the three months ended March 31, 2023 was due to $35.3 million for our asset acquisition of Cerveau and $9.2 million of capital expenditures.

Net Cash Used in Financing Activities

Net cash used in financing activities during the three months ended March 31, 2024 is primarily attributable to the payments for minimum statutory tax withholding related to net share settlement of equity awards of $19.4 million offset by proceeds of $2.8 million from stock option exercises.

Net cash used in financing activities during the three months ended March 31, 2023 is primarily attributable to the payments for minimum statutory tax withholding related to net share settlement of equity awards of $11.2 million offset by proceeds of $1.8 million from stock option exercises.

External Sources of Liquidity

In December 2022, we entered into the 2022 Revolving Facility. The terms of the 2022 Revolving Facility are set forth in the Credit Agreement, dated as of December 2, 2022, by and among us, the lenders from time to time party thereto and Citizens Bank, N.A., as administrative agent and collateral agent (the "2022 Credit Agreement"). We have the right to request an increase to the 2022 Revolving Facility or request the establishment of one or more new incremental term loan facilities, in an aggregate principal amount of up to $335 million or consolidated EBITDA for the four consecutive fiscal quarters most recently ended, plus additional amounts, in certain circumstances.

Under the terms of the 2022 Revolving Facility, the lenders thereunder agreed to extend credit to us from time to time until December 2, 2027 consisting of revolving loans in an aggregate principal amount not to exceed $350.0 million at any time. The 2022 Revolving Facility includes a $20.0 million sub-facility for the issuance of Letters of Credit. The 2022 Revolving Facility includes a $10.0 million sub-facility for Swingline Loans. The Letters of Credit, Swingline Loans and the borrowings under the 2022 Revolving Facility are expected to be used for working capital and other general corporate purposes.

Please refer to Note 13, "Long-Term Debt, Net, and Other Borrowings" for further details on the 2022 Revolving Facility.

As of March 31, 2024, we were in compliance with all financial and other covenants under the 2022 Credit Agreement.

On December 8, 2022, we issued $575.0 million in aggregate principal amount of the Notes, which includes $75.0 million in aggregate principal amount of Notes sold pursuant to the full exercise of the initial purchasers' option to purchase additional Notes. The Notes were issued under the Indenture. The net proceeds from the issuance of the Notes were approximately $557.8 million, after deducting the initial purchasers' discounts and offering expenses payable by us.

On August 2, 2023, we sold the right to our RELISTOR royalty asset under our license agreement with Bausch; we retained the rights to future sales-based milestone payments. We received an initial payment of approximately $98.0 million in connection with the sale and have the right to receive an additional payment from the buyer of $5.0 million if worldwide net sales of RELISTOR in 2025 exceed a specified threshold. The additional payment would be recognized upon achievement of the specified threshold. Following such sale, we no longer receive tiered, sales-based royalties on worldwide net sales of RELISTOR related to the second quarter of 2023 and subsequent quarters.

Our ability to fund our future capital needs will be affected by our ability to continue to generate cash from operations and may be affected by our ability to access the capital markets, money markets or other sources of funding, as well as the capacity and terms of our financing arrangements.

We may from time to time repurchase or otherwise retire our debt and take other steps to reduce our debt or otherwise improve our balance sheet. These actions may include prepayments of our term loans or other retirements or refinancing of outstanding debt, privately negotiated transactions or otherwise. The amount of debt that may be retired, if any, could be material and would be decided at the sole discretion of our Board of Directors and will depend on market conditions, our cash position and other considerations.

Funding Requirements

Our future capital requirements will depend on many factors, including:

- The level of product sales and the pricing environment of our currently marketed products, particularly PYLARIFY and DEFINITY, as well as any additional products that we may market in the future;
- Revenue mix shifts and associated volume and selling price changes that could result from additional competition or changes in customers' product demand;
- The continued costs of the ongoing commercialization of our products;
- Our investment in the further clinical development and commercialization of products and development candidates, as well as whether we exercise our option and co-development rights under the Perspective agreements;
- The costs of acquiring or in-licensing, developing, obtaining regulatory approval for, and commercializing, new products, businesses or technologies, including any potential related milestone or royalty payments, together with the costs of pursuing opportunities that are not eventually consummated;
- The costs of investing in our facilities, equipment and technology infrastructure;
- The costs and timing of establishing or amending manufacturing and supply arrangements for commercial supplies of our products and raw materials and components;
- Our ability to have products manufactured and released from manufacturing sites in a timely manner in the future, or to manufacture products at our in-house manufacturing facilities in amounts sufficient to meet our supply needs;
- The costs of further commercialization of our existing products, particularly in international markets, including product marketing, sales and distribution and whether we obtain local partners to help share such commercialization costs;
- The legal costs relating to maintaining, expanding and enforcing our intellectual property portfolio, pursuing insurance or other claims and defending against product liability, regulatory compliance, intellectual property or other claims, including the patent infringement claim related to the filing of our ANDA for PNT2003;
- The cost of interest on any additional borrowings which we may incur under our financing arrangements; and
- The impact of sustained inflation on our costs of goods sold and operating expenses.

Disruption in our financial performance could occur if we experience significant adverse changes in product or customer mix, broad economic downturns, sustained inflation, adverse industry or company conditions or catastrophic external events, including pandemics such as COVID-19, natural disasters and political or military conflict. If we experience one or more of these events in the future, we may be required to further implement expense reductions, such as a delay or elimination of discretionary spending in all functional areas, as well as scaling back select operating and strategic initiatives.

If our capital resources become insufficient to meet our future capital requirements, we would need to finance our cash needs through public or private equity offerings, debt financings, assets securitizations, sale-leasebacks or other financing or strategic alternatives, to the extent such transactions are permissible under the covenants of our 2022 Credit Agreement. Additional equity or debt financing, or other transactions, may not be available on acceptable terms, if at all. If any of these transactions require an amendment or waiver under the covenants in our 2022 Credit Agreement, which could result in additional expenses associated with obtaining the amendment or waiver, we will seek to obtain such a waiver to remain in compliance with those covenants. However, we cannot provide assurance that such an amendment or waiver would be granted, or that additional capital will be available on acceptable terms, if at all.

At March 31, 2024, our only current committed external source of funds is our borrowing availability under our 2022 Revolving Facility. We had $718.3 million of cash and cash equivalents as of March 31, 2024. Our 2022 Revolving Facility contains a number of affirmative, negative, reporting and financial covenants, in each case subject to certain exceptions and materiality thresholds. Incremental borrowings under the 2022 Revolving Facility may affect our ability to comply with the covenants including the financial covenants restricting consolidated net leverage and interest coverage. Accordingly, we may be limited in utilizing the full amount of our 2022 Revolving Facility as a source of liquidity.

Based on our current operating plans, we believe our balance of cash and cash equivalents, which totaled $718.3 million as of March 31, 2024, along with cash generated by ongoing operations and continued access to our 2022 Revolving Facility, will be sufficient to satisfy our cash requirements over the next twelve months and beyond.

Critical Accounting Policies and Estimates

The discussion and analysis of our financial condition and results of operations are based on our condensed consolidated financial statements, which have been prepared in accordance with U.S. GAAP. The preparation of these condensed consolidated financial statements requires us to make estimates and judgments that affect our reported assets and liabilities, revenues and expenses, and other financial information. Actual results may differ materially from these estimates under different assumptions and conditions. In addition, our reported financial condition and results of operations could vary due to a change in the application of a particular accounting standard.

There have been no significant changes to our critical accounting policies or in the underlying accounting assumptions and estimates used in such policies in the three months ended March 31, 2024. For further information, refer to our summary of significant accounting policies and estimates in our Annual Report on Form 10-K filed for the year ended December 31, 2023.

Off-Balance Sheet Arrangements

We are required to provide the Massachusetts Department of Public Health financial assurance demonstrating our ability to fund the decommissioning of our North Billerica, Massachusetts production facility upon closure. We have provided this financial assurance in the form of a $30.3 million surety bond.

Since inception, we have not engaged in any other off-balance sheet arrangements, including structured finance, special purpose entities or variable interest entities.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

For quantitative and qualitative disclosures about market risk, see Part II, Item 7A. “Quantitative and Qualitative Disclosures About Market Risk,” of our Annual Report on Form 10-K for the year ended December 31, 2023. Our exposures to market risk have not changed materially since December 31, 2023.

Equity Investment Risk

As of March 31, 2024, our recorded value of investments in equity securities was $139.0 million, comprised entirely of our equity investment in Perspective, and is recorded at fair value, which is subject to market price volatility. We record our equity investments in public companies at fair value and adjust our equity investments in public companies for observable price changes or impairments. Valuations of public companies are variable and subject to change in share price at the applicable measurement period.

Item 4. Controls and Procedures

Disclosure Controls and Procedures

The Company's management, with the participation of the Company's Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), its principal executive officer and principal financial officer, respectively, has evaluated the effectiveness of the Company's disclosure controls and procedures as defined in Rule 13a-15(e) and 15d-15(e) of the Exchange Act. Based on that evaluation, the Company's CEO and CFO concluded that the Company's disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) were effective as of the period covered by this report.

Changes in Internal Controls Over Financial Reporting

There were no changes in our internal control over financial reporting during the quarter ended March 31, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

We are continually monitoring and assessing the pandemic status and geopolitical environment to determine any potential impact on the design and operating effectiveness of our internal controls over financial reporting.

PART II. OTHER INFORMATION

Item 1. Legal Proceedings

Information with respect to certain legal proceedings is included in Note 18, “Commitments and Contingencies”, to the condensed consolidated financial statements contained in Part I, Item 1. Financial Statements of this Quarterly Report on Form 10-Q and is incorporated herein by reference.

Item 1A. Risk Factors

There have been no material changes to the risk factors set forth in our Annual Report on Form 10-K for the year ended December 31, 2023.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

Repurchases

The following table presents information with respect to purchases of common stock we made during the three months ended March 31, 2024. In December 2022, in connection with the issuance of the Notes, our Board of Directors authorized the repurchase of up to $150.0 million in aggregate amount of our common stock under certain circumstances, of which $75.0 million were repurchased in December 2022. As of December 31, 2023, the authorization for share buyback expired and no additional shares may be purchased under the program following the expiration date. The 2015 Equity Incentive Plan, adopted by us on June 24, 2015, as amended on April 26, 2016 and as further amended on April 27, 2017, April 24, 2019, April 28, 2021, April 28, 2022 and April 25, 2024 (the "2015 Plan"), provides for the withholding of shares to satisfy tax withholding obligations. It does not specify a maximum number of shares that can be withheld for this purpose. The shares of common stock withheld to satisfy tax withholding obligations may be deemed to be "issuer purchases" of shares that are required to be disclosed pursuant to this Item 2.

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Programs	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Program
January 2024*	950	$ 55.19	—	$0.0 million
February 2024*	2,938	$ 57.75	—	$0.0 million
March 2024*	297,774	$ 65.31	—	$0.0 million
Total	301,662		—	$0.0 million

* Reflects shares withheld to satisfy tax withholding amounts due from employees related to the receipt of stock which resulted from the exercise or vesting of equity awards.

Dividend Policy

We did not declare or pay any dividends, and we do not currently intend to pay dividends in the foreseeable future. We currently expect to retain future earnings, if any, for the foreseeable future, to finance the growth and development of our business and to repay indebtedness. Our ability to pay dividends is restricted by our financing arrangements. See Part I, Item 2. "Management's Discussion and Analysis of Financial Condition and Results of Operations-Liquidity and Capital Resources-External Sources of Liquidity" for further information.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

Rule 10b5-1 Trading Plans

On February 26, 2024, Julie McHugh, a member of our Board, entered into a trading plan intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Exchange Act (a "10b5-1 Plan"), providing for the potential sale of up to 2,500 shares of our common stock on May 28, 2024.

On February 27, 2024, Heinz Mäusli, a member of our Board, entered into a 10b5-1 Plan providing for the potential sale of up to 25,692 shares of our common stock, including shares obtained from the exercise of vested stock options covered by the 10b5-1 Plan, between May 28, 2024 and September 30, 2024.

On March 1, 2024, Paul Blanchfield, our President, entered into a 10b5-1 Plan providing for the potential sale of up to 7,263 shares of our common stock, between May 31, 2024 and March 5, 2025. Pursuant to the 10b5-1 Plan, Mr. Blanchfield will also make a gift of 355 shares of common stock on November 14, 2024.

On March 1, 2024, Daniel Niedzwiecki, our Chief Administrative Officer, General Counsel and Corporate Secretary, entered into a 10b5-1 Plan providing for the potential sale of up to 15,373 shares of our common stock, between May 30, 2024 and August 30, 2024.

On March 13, 2024, Mary Anne Heino, a member of our Board, entered into a 10b5-1 Plan. The plan provides for the sale of shares of our common stock between August 2, 2024 and March 31, 2025 in an amount (i) sufficient to cover tax withholding obligations in connection with the potential vesting and settlement of up to 117,006 outstanding RSUs and PSUs plus (ii) an additional number of shares necessary to result in approximate net sale proceeds of $2,000,000 in the aggregate.

Item 6. Exhibits

EXHIBIT NUMBER	DESCRIPTION OF EXHIBITS	INCORPORATED BY REFERENCE			
		FORM	FILE NUMBER	EXHIBIT	FILING DATE
10.1*	First Amendment to License and Collaboration Agreement (PNT-2002), dated as of January 31, 2024, by and between POINT Biopharma, Inc. and Lantheus Two, LLC and Lantheus Medical Imaging, Inc.				
31.1*	Certification of Chief Executive Officer pursuant to Exchange Act Rule 13a-14(a).				
31.2*	Certification of Chief Financial Officer pursuant to Exchange Act Rule 13a-14(a).				
32.1**	Certification pursuant to 18 U.S.C. Section 1350.				
101.INS*	Inline XBRL Instance Document				
101.SCH*	Inline XBRL Taxonomy Extension Schema Document				
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document				
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document				
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document				
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document				
104*	Cover Page Interactive Data File (embedded within the Inline XBRL document)				

* Filed herewith.
** Furnished herewith.

SIGNATURES

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

LANTHEUS HOLDINGS, INC.

By:	/s/ BRIAN MARKISON
Name:	Brian Markison
Title:	*Chief Executive Officer (Principal Executive Officer)*
Date:	May 2, 2024

LANTHEUS HOLDINGS, INC.

By:	/s/ ROBERT J. MARSHALL, JR.
Name:	Robert J. Marshall, Jr.
Title:	*Chief Financial Officer and Treasurer (Principal Financial Officer)*
Date:	May 2, 2024

Exhibit 10.1

FIRST AMENDMENT
TO LICENSE AND COLLABORATION AGREEMENT (PNT-2002)

This First Amendment to License and Collaboration Agreement (this "**Amendment**") is entered into as of January 31, 2024, by and between POINT Biopharma, Inc., a Delaware corporation ("**POINT**"), and Lantheus Two, LLC, a Delaware limited liability company ("**Lantheus**") and Lantheus Medical Imaging, Inc., a Delaware corporation ("**LMI**" and together with POINT and Lantheus, the "**Parties**" and each, a "**Party**"), and amends that certain License and Collaboration Agreement (PNT-2002), dated November 11, 2022, by and among the Parties (the "**Agreement**"). Capitalized terms used but not defined herein shall have the meanings ascribed to such terms in the Agreement.

WHEREAS, the Top Line Data in the PNT-2002 Clinical Trial occurred on December 18, 2023;

WHEREAS, Section 17.4 of the SPA provides, among other things, that "[n]o amendment or modification of the terms and conditions of this Agreement will be binding on either Party unless reduced to writing referencing this Agreement and signed by a duly authorized officer of each Party";

WHEREAS, the Parties desire to amend the Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants and agreements contained herein, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. Amendment to License and Collaboration Agreement (PNT-2002).

Section 16.2.2(i) of the Agreement is hereby deleted in its entirety and replaced with the following:

> "**(i)** LANTHEUS may terminate this Agreement in its entirety, for any reason or no reason, upon thirty (30) days' prior written notice to POINT, provided that such notice may be given only within sixty (60) days after either (A) the first "Pre-NDA meeting" (as that term is used and as such meeting is described in 21 CFR 312.47(b)(2) or any successor provision thereto) subsequent to achieving Top Line Data in the PNT-2002 Clinical Trial (the "***First Pre-NDA Filing Meeting***") or (B) an Approval Failure."

2. No Further Amendment. Except as modified hereby, the Agreement remains in full force and effect and is hereby ratified and confirmed. The Agreement and this Amendment shall be read and construed as a single document.

3. Counterparts. This Amendment may be executed in any number of counterparts, each of which shall be an original, but all of which taken together shall constitute one instrument. Signatures transmitted via facsimile transmission, in Portable Document Format (PDF) transmitted by

electronic mail, or via DocuSign or similar services shall be deemed originals for purposes of this Amendment. This Amendment shall be binding upon and inure to the benefit of the Parties and their respective successors and assigns, legal representatives and heirs.

4. Headings/Recitals. The headings and subheadings of this Amendment have been inserted for convenience only, and shall not affect the construction of the provisions hereof. All references to sections of this Amendment shall be deemed to refer as well to all subsections which form a part of such section. The recitals of this Amendment are incorporated herein by reference.

5. Governing Law. This Amendment shall be construed and enforced in accordance with the laws of the State of Delaware, without regard to its principles of conflicts of laws.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have executed this First Amendment to License and Collaboration Agreement (PNT-2002) as of the date first above written.

POINT:

POINT BIOPHARMA, INC.

By: /s/ Jacob Van Naarden

Name: Jacob Van Naarden

Title: President, Loxo@lilly on behalf of POINT

LANTHEUS:

LANTHEUS TWO, LLC

By: /s/ Mary Anne Heino

Name: Mary Anne Heino

Title: Chief Executive Officer

LMI:

LANTHEUS MEDICAL IMAGING, INC.

By: /s/ Mary Anne Heino

Name: Mary Anne Heino

Title: Chief Executive Officer

Exhibit 31.1

CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian Markison, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Lantheus Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
   a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
   b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
   c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
   d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
   a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
   b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 2, 2024

/s/ BRIAN MARKISON

Name: Brian Markison

Title: *Chief Executive Officer*
(Principal Executive Officer)

Exhibit 31.2

CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Robert J. Marshall, Jr., certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Lantheus Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
   a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
   b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
   c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
   d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
   a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
   b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 2, 2024

/s/ ROBERT J. MARSHALL, JR.

Name: Robert J. Marshall, Jr.

Title: *Chief Financial Officer and Treasurer*
(Principal Financial Officer)

Exhibit 32.1

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, Brian Markison, the Chief Executive Officer, and Robert J. Marshall, Jr., the Chief Financial Officer, of Lantheus Holdings, Inc. (the "Company"), hereby certify, that, to their knowledge:

1. The Quarterly Report on Form 10-Q for the period ended March 31, 2024 (the "Report") of the Company fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 2, 2024

/s/ BRIAN MARKISON
Name: Brian Markison
Title: *Chief Executive Officer*
(Principal Executive Officer)

Date: May 2, 2024

/s/ ROBERT J. MARSHALL, JR.
Name: Robert J. Marshall, Jr.
Title: *Chief Financial Officer and Treasurer*
(Principal Financial Officer)

A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.