UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): May 10, 2023

PIERIS PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Nevada (State or other jurisdiction of Incorporation) 001-37471 (Commission File Number) 30-0784346 (IRS Employer Identification No.)

02110

Boston, MA (Address of principal executive offices)

225 Franklin Street, 26th Floor

(Zip Code)

Registrant's telephone number, including area code: 857-246-8998 N/A (Former name or former address, if changed since last report.)

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

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

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

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

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

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.001 par value per share	PIRS	The Nasdaq Capital Market

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

Emerging Growth Company \Box

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

Item 2.02 Results of Operations and Financial Condition.

On May 10, 2023, Pieris Pharmaceuticals, Inc. (the "Company") issued a press release announcing certain financial results for the quarter ended March 31, 2023. A copy of the press release issued by the Company is furnished as Exhibit 99.1 to this report.

The information set forth under this "Item 2.02. Results of Operations and Financial Condition," including Exhibit 99.1 furnished hereto, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing.

Item 7.01 Regulation FD Disclosure.

Furnished hereto as Exhibit 99.2 is the May 2023 Investor Presentation of the Company.

The information set forth under this "Item 7.01. Regulation FD Disclosure," including Exhibit 99.2 furnished hereto, shall not be deemed "filed" for any purpose, and shall not be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, regardless of any general incorporation language in any such filing except as shall be expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

- 99.1 <u>Press Release, dated May 10, 2023.</u>
 99.2 <u>Investor Presentation, dated May 2023.</u>
 104 Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURE

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

Dated: May 10, 2023

PIERIS PHARMACEUTICALS, INC.

/s/ Tom Bures

Tom Bures Chief Financial Officer



May 10, 2023 PIERIS PHARMACEUTICALS REPORTS FIRST QUARTER 2023 FINANCIAL RESULTS AND BUSINESS UPDATES

COMPANY TO HOST AN INVESTOR CONFERENCE CALL TODAY,

WEDNESDAY, MAY 10, 2023, AT 8:00 AM EDT

- Enrollment for elarekibep (PRS-060/AZD1402) Phase 2a study for asthma continues to progress with topline clinical data anticipated by mid-2024; successful safety
 review completed for 10 mg dose cohort
- PRS-220, inhaled Anticalin protein for idiopathic pulmonary fibrosis (IPF), continues in Phase 1 study with topline results expected H2 2023
- PRS-400, inhaled Anticalin protein for muco-obstructive respiratory disease, advances toward anticipated development candidate nomination H2 2023
- New preclinical data to be presented at the American Thoracic Society (ATS) 2023 International Conference in May 2023 for both PRS-220 and PRS-400

BOSTON, MA, May 10, 2023 – Pieris Pharmaceuticals, Inc. (Nasdaq: PIRS), a clinical-stage biotechnology company advancing novel biotherapeutics through its proprietary Anticalin® technology platform for respiratory diseases, cancer, and other indications, reported financial results for the quarter ended March 31, 2023, and provided a business update.

"We continue to be excited by the potential of our inhaled biologics pipeline to reshape the treatment paradigm for patients living with uncontrolled asthma and other chronic respiratory diseases. Our top priority remains the study completion and clinical data read out from the elarekibep Phase 2a study in asthma, which is benefitting from increased operational resources from our partner, AstraZeneca," said Stephen S. Yoder, President and CEO of Pieris. "Pieris continues to make measured investments in PRS-220 and PRS-400 while also expecting additional progress across partnered programs through our capital-efficient collaborations with Boston Pharmaceuticals, Genentech, Seagen and Servier."

Respiratory Pipeline:

• Elarekibep and AstraZeneca Collaboration: Enrollment is ongoing in the multi-center, placebo-controlled Phase 2a study of dry powder inhaler-formulated elarekibep, an IL-4 receptor alpha (IL-4Ra) inhibitor being developed for the treatment of moderate-to-severe asthma. Topline results measuring placebo-adjusted FEV1 improvement at four weeks, the study's primary efficacy endpoint, are expected by the middle of 2024. AstraZeneca previously communicated to the Company that completion of the Phase 2a study remains an important priority and that additional resources have been provided to achieve study completion. This includes a commitment to adding several new countries and a significant number of additional clinical sites, bringing the anticipated total number to more than 100 sites. As part of this commitment, AstraZeneca is on track to add three new geographies and related sites in the current quarter. Together with the previously announced protocol amendments, which are positively impacting study screening, we anticipate this will enable the achievement of the enrollment targets and timelines. In addition, the safety review of the 10 mg dose cohort in mild controlled asthmatics was successfully completed, which provides additional data supporting the elarekibep safety profile and enables doses greater than 3 mg to be evaluated in the future, if needed.

Previously reported elarekibep Phase 1 results demonstrated reduced fractional exhaled nitric oxide (FeNO) levels in mild asthma patients, and a favorable safety profile. Elarekibep is further validated by dupilumab, an FDA-approved inhibitor of IL-4Rα that has demonstrated reduced levels of FeNO and clinical efficacy in uncontrolled, moderate-to-severe asthma. Furthermore, dupilumab Phase 3 study results have shown efficacy in chronic obstructive pulmonary disease (COPD).

Pieris retains co-development and U.S. co-commercialization rights for elarekibep, which are exercisable following completion of the ongoing Phase 2a study.

PRS-220: Pieris continues clinical development of PRS-220, a potential best-in-class inhaled Anticalin protein targeting connective tissue growth factor (CTGF) for
the treatment of IPF, a disease with a large unmet medical need, and other fibrotic lung diseases. Preclinically, PRS-220 demonstrated superior on-target potency
compared to pamrevlumab, an intravenously infused CTGF antagonist in late-stage clinical development. The Company believes inhaled administration will deliver
high lung exposure, optimal pulmonary target engagement and superior clinical outcomes, while offering convenience of at-home administration.

The Company is dosing healthy volunteers in a Phase 1 study with PRS-220 and expects to report results in the second half of this year. On May 21, 2023, preclinical data will be presented at the ATS 2023 International Conference, including data demonstrating that inhaled PRS-220 significantly reduced collagen deposition in a silica-induced lung fibrosis mouse model. Pieris continues to benefit from a meaningful grant from the Bavarian government, which supports early-stage development of this program.

• **PRS-400:** Pieris continues its preclinical advancement of PRS-400, an inhaled anti-Jagged-1 Anticalin therapeutic program with transformative potential in a wide range of respiratory diseases driven by mucus hypersecretion. PRS-400 was designed to allow patients to exit the vicious cycle of mucus hypersecretion, infection and airway obstruction, while avoiding inhibition of healthy, normal mucus production outside of the lungs. On May 22, 2023, preclinical data will be presented at the ATS 2023 International Conference demonstrating that PRS-400 reduced inflammation-driven goblet cell metaplasia and mucus hypersecretion in a therapeutic disease model. PRS-400 is advancing toward development candidate nomination in the second half of this year.

Immuno-Oncology Pipeline:

Pieris' immuno-oncology pipeline continues to progress in a cost-efficient manner with the benefit of its partners. The Company believes that multiple opportunities exist to generate value from this portfolio based on promising data generated to date.

• In April, clinical results from the Company's clinical study of cinrebafusp alfa (PRS-343) in 2L+ HER2-positive gastric cancer were presented at the American Association for Cancer Research annual meeting, including an unconfirmed 100% objective response rate and promising emerging durability profile in the five patients enrolled into the study prior to study discontinuation of enrollment for strategic reasons. Pieris is considering a range of transactions to facilitate program continuation, from an immuno-oncology focused spinout to a traditional partnering transaction.

- Boston Pharmaceuticals continues to advance BOS-342 (also known as PRS-342), a 4-1BB/GPC3 bispecific Mabcalin[™] (antibody-Anticalin protein) compound, toward the clinic, with Phase 1 expected to begin in the coming months.
- Pieris and Servier continue to progress the escalation portion of the Phase 1/2 study of PRS-344/S095012, a 4-1BB/PD-L1 bispecific Mabcalin compound for the treatment of solid tumors, for which Pieris holds full U.S. rights.
- As previously announced, Seagen initiated a Phase 1 study for SGN-BB228 (also known as PRS-346), triggering a \$5 million milestone payment to Pieris. SGN-BB228 is a first-in-class CD228/4-1BB bispecific antibody-Anticalin compound designed to provide a potent costimulatory bridge between tumor-specific T cells and CD228-expressing tumor cells. Pieris and Seagen continue to collaborate on two other undisclosed bispecific programs.

Fiscal Year End Financial Update:

<u>Cash Position</u> – Cash, cash equivalents, and investments totaled \$48.4 million for the quarter ended March 31, 2023, compared to a cash and cash equivalents balance of \$59.2 million for the year ended December 31, 2022. The decrease was due to funding operations in the first quarter of 2023. The Company believes operations are sufficiently funded for more than the next 12 months.

<u>R&D</u> Expense – R&D expenses were \$13.4 million for the quarter ended March 31, 2023, compared to \$14.1 million for the quarter ended March 31, 2022. The decrease was due primarily to lower clinical costs for cinrebafusp alfa and lower personnel costs, license fees and software costs. These lower costs were partially offset by higher overall program costs for PRS-220 and higher preclinical costs for discovery-stage programs, both partnered and proprietary.

<u>G&A Expense</u> – G&A expenses were \$4.0 million for the quarter ended March 31, 2023, compared to \$4.4 million for the quarter ended March 31, 2022. The period-overperiod decrease was driven primarily by lower professional services, consulting and insurance costs.

<u>Other Income</u> – For the quarter ended March 31, 2023, \$2.0 million of grant income was recorded with respect to PRS-220, compared to \$2.1 million for the quarter ended March 31, 2022, indicating that costs incurred on PRS-220 were comparable for both periods. Interest income was \$0.4 million for the quarter ended March 31, 2023, given the impact of rising interest rates compared to a de minimis amount of interest income in the quarter ended March 31, 2022

Net Loss – Net loss was \$13.2 million or \$(0.45) per share for the quarter ended March 31, 2023, compared to a net loss of \$5.1 million or \$(0.07) per share for the quarter ended March 31, 2022.

Conference Call:

Pieris management will host a conference call beginning at 8:00 AM EDT on Wednesday, May 10, 2023, to discuss the first quarter 2023 financial results and provide a corporate update. Individuals can join the call by dialing 866-682-6100 (Toll Free US & Canada) or +1 862-298-0702 (International) at least five minutes prior to the start of the call. Alternatively, a listen-only audio webcast of the call can be accessed **here**.

A replay will be available on the Investors section of the Company's website, www.pieris.com.

About Pieris Pharmaceuticals:

Pieris is a clinical-stage biotechnology company that combines leading protein engineering capabilities and deep understanding into molecular drivers of disease to develop inhaled medicines that drive local biology to produce superior clinical outcomes for patients. Our pipeline is focused on inhalable Anticalin proteins to treat respiratory diseases and locally-activated bispecifics for immuno-oncology. Proprietary to Pieris, Anticalin proteins are a novel class of therapeutics validated in the clinic and by strong partnerships with leading pharmaceutical companies. For more information, visit <u>www.pieris.com</u>.

Forward-looking Statements:

This press release contains forward-looking statements as that term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Statements in this press release that are not purely historical are forward-looking statements. Such forward-looking statements include, among other things, our expected cash runway; our product candidates clinical and therapeutic potential in their intended indications; the advancement of our proprietary and co-development programs into and through the clinic, including the achievement of enrollment targets and timelines, and the expected timing for reporting data, including through participation in conferences; the receipt of royalty and/or milestone payments provided for in our collaboration agreements; making IND filings or achieving other milestones related to our programs, including elarekibep, PRS-220, PRS-400, PRS-344/S095012, SGN-BB228 and BOS-342; the therapeutic potential and safety profile of our Anticalin platform; the potential addressable market for our product candidates; our continued progress in the area of co-stim bispecifics and inhaled therapeutics; and the advancement and funding of our developmental programs generally. Actual results could differ from those projected in any forward-looking statement due to numerous factors. Such factors include, among others, the amounts of anticipated funding actually received for our continued development programs and our actual reductions in spending as compared to anticipated cost reductions; our ability to raise the additional funding, including through partnership transactions, that we will need to continue to pursue; our business and product development plans; the inherent uncertainties associated with developing new products or technologies, including in collaboration with other parties, and operating as a development stage company; our ability to develop, complete clinical trials for, obtain approvals for and commercialize any of our product candidates, including our ability to recruit and enroll patients in our studies; the fact that data and results from preclinical and clinical studies may not necessarily be indicative of future results; competition in the industry in which we operate; delays or disruptions due to COVID-19 or geopolitical issues, including the conflict in Ukraine; and market conditions. These forward-looking statements are made as of the date of this press release, and we assume no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements, except as required by law. Investors should consult all of the information set forth herein and should also refer to the risk factor disclosure set forth in the reports and other documents we file with the Securities and Exchange Commission (SEC) available at www.sec.gov, including, without limitation, the Company's most recent Annual Report on Form 10-K, the Company's Quarterly Reports on Form 10-Q, and subsequent filings with the SEC.

Investor Relations Contact:

Pieris Pharmaceuticals, Inc. Investors@pieris.com Joe Patneaude Kendall Investor Relations Joe@kendallir.com

PIERIS PHARMACEUTICALS, INC. CONDENSED CONSOLIDATED BALANCE SHEETS (unaudited, in thousands)

	Mar	March 31, 2023		December 31, 2022	
Assets:					
Cash and cash equivalents	\$	39,742	\$	38,635	
Short term investments		8,637		20,534	
Accounts receivable		1,055		5,810	
Prepaid expenses and other current assets		11,071		8,445	
Total current assets		60,505		73,424	
Property and equipment, net		16,706		16,992	
Operating lease right-of-use assets		3,796		3,705	
Other non-current assets		1,251		1,369	
Total Assets	\$	82,258	\$	95,490	
Liabilities and stockholders' equity:					
Accounts payable	\$	5,833	\$	4,154	
Accrued expenses		10,354		11,605	
Deferred revenue, current portion		26,688		20,824	
Total current liabilities		42,875		36,583	
Deferred revenue, net of current portion		11,727		18,734	
Operating lease liabilities		12,198		12,244	
Total Liabilities		66,800		67,561	
Total stockholders' equity		15,458		27,929	
Total liabilities and stockholders' equity	\$	82,258	\$	95,490	

PIERIS PHARMACEUTICALS, INC CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (unaudited, in thousands, except per share data)

	Three	Three Months Ended March 31,		
	202	3	2022	
Revenues	\$	1,936 \$	10,988	
Operating expenses				
Research and development		13,424	14,066	
General and administrative		4,023	4,379	
Total operating expenses		17,447	18,445	
Loss from operations		(15,511	(7,457)	
Interest income		357	(3)	
Grant income		2,028	2,130	
Other income (expense), net		(57	229	
Net loss	\$	(13,183 \$	(5,101)	
Basic and diluted net loss per share	\$	(0.18 \$	(0.07)	
Basic and diluted weighted average shares outstanding		74,519	73,711	

Exhibit 99.2

PIERIS PHARMACEUTICALS



CORPORATE PRESENTATION May 2023

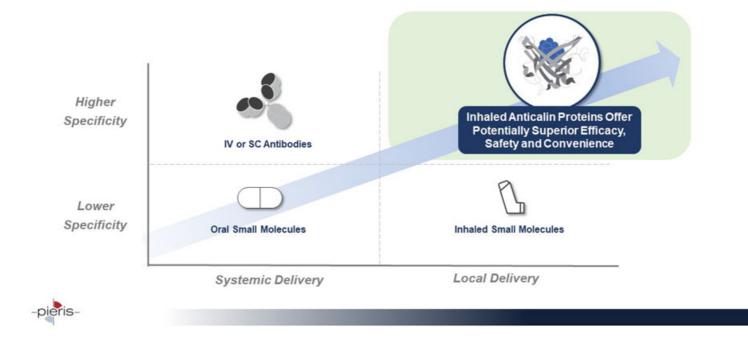


Forward-Looking Statements

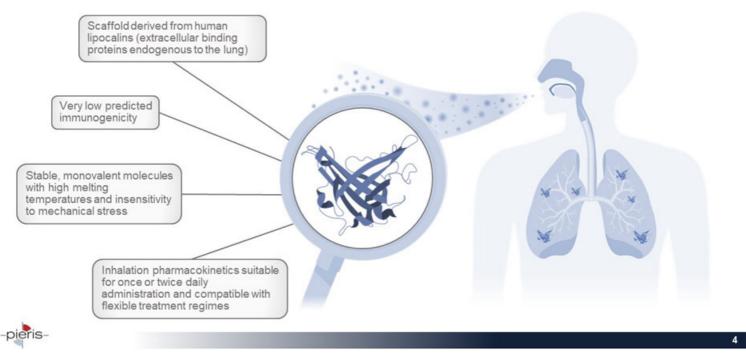
This presentation contains forward-looking statements as that term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Statements in this presentation that are not purely historical are forward-looking statements. Such forward-looking statements include, among other things, our expected cash runway, our product candidates' clinical and therapeutic potential in their intended indications; the receipt of royalty and/or milestone payments provided for in our collaboration agreements; references to novel technologies and methods and our business and product development plans, including the Company's cash resources, the advancement of our proprietary and codevelopment programs into and through the clinic and the expected timing for reporting data, making IND filings or achieving other milestones related to our programs, including elarekibep, PRS-220, PRS-400, PRS-344/S095012, PRS346/SGN-BB228 and PRS-342/BOS-342; our continued progress in the areas of co-stim bispecifics and inhaled therapeutics; the therapeutic potential and safety profile of our Anticalin platform; the unmet need and potential addressable market for our product candidates, the potential advantages of our product candidates over those of existing therapeutics and/or those of our competitors, and the advancement of and funding for our developmental programs generally. Actual results could differ from those projected in any forward-looking statements due to numerous factors. Such factors include, among others, our ability to raise the additional funding we will need, including through partnering transactions, to continue to pursue our business and product development plans; the inherent uncertainties associated with developing new products or technologies and operating as a development stage company, including in collaboration with other parties; our ability to develop, complete clinical trials for, obtain approvals for and commercialize any of our product candidates, including our ability to recruit and enroll patients in our studies; the fact that data and results from preclinical and clinical studies may not necessarily be indicative of future results; our ability to address the requests of the U.S. Food and Drug Administration; competition in the industry in which we operate; delays or disruptions due to COVID-19 or geopolitical issues, including the conflict in Ukraine; and market conditions. These forward-looking statements are made as of the date of this presentation, and we assume no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements, except as required by law. Investors should consult all of the information set forth herein and should also refer to the risk factor disclosure set forth in the reports and other documents we file with the Securities and Exchange Commission (SEC) available at www.sec.gov, including without limitation the Company's most recent Annual Report on Form 10-K, the Company's subsequent Quarterly Reports on Form 10-Q and the Company's other filings from time to time with the SEC.



Inhaled Administration of Biologics Would Address Many Limitations of Currently Approved Respiratory Therapeutics



Anticalin Proteins are Well Suited for Inhaled Administration



Pieris' Inhaled Protein Respiratory Pipeline Includes Partnered and Fully Proprietary Programs

Program	Target	Indication	Discovery	Preclinical	Phase 1	Phase 2	Partner
Elarekibep* (PRS-060/AZD1402)	IL4Rα	Asthma	Phase 2a ful	ly sponsored by	AZ; co-dev opti	on	AstraZeneca
PRS-220	CTGF	IPF#	>50% grant-fu	unded‡			
PRS-400	Jagged-1	COPD-CB ⁰					
AstraZeneca	n.d.	n.d.					AstraZeneca
Genentech	n.d.	n.d.					Genentech A Member of the Roche Group

* Pieris has separate co-development and U.S. co-commercialization options on elarekibep

Idiopathic pulmonary fibrosis ("IPF") and other forms of fibrotic lung diseases

⁺ ~\$17 million grant from the Bavarian government to evaluate PRS-220 in PASC-PF expected to cover more than half of early-stage and phase 1 development costs of PRS-220

°COPD-CB - chronic obstructive pulmonary disease with chronic bronchitis



Pieris is Developing Three Differentiated Inhaled Biologics to Address Significant Unmet Need in Respiratory Diseases

Vision

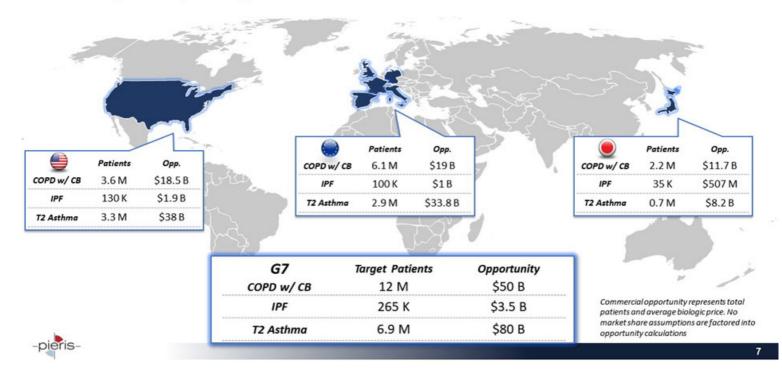
Pieris aspires to be a world-leading inhaled biologics company, developing transformative respiratory therapies that have the potential to materially improve patient quality of life (QoL) over existing therapies by combining the specificity of biologics with the benefit of local administration.

Our current portfolio is well positioned to achieve this vision

Elarekibep (PRS-060) More convenient administration than available therapeutics, potentially improving patient QoL		PRS-220	PRS-400 Novel mode of action that is challenging to target systemically	
		Inhalable, best-in-class anti-CTGF with disease- modifying potential		
MOA	Inhaled IL-4Rα antagonist	Inhaled CTGF antagonist	Inhaled Jagged-1 antagonist	
Lead Indication	Moderate-to-severe T2 asthma	Idiopathic pulmonary fibrosis (IPF)	COPD with Chronic Bronchitis	
Phase of Development	Phase 2a	Phase 1	Preclinical	



Pieris' Respiratory Portfolio Targets Large Opportunity Indications in Both Primary and Specialty Markets

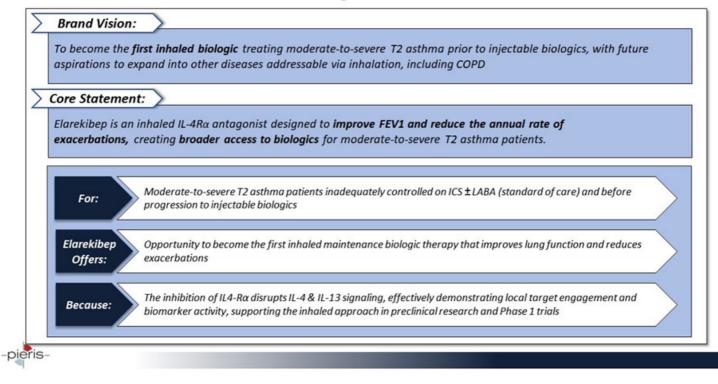


Elarekibep (PRS-060/AZD1402): Inhaled IL-4Rα Antagonist

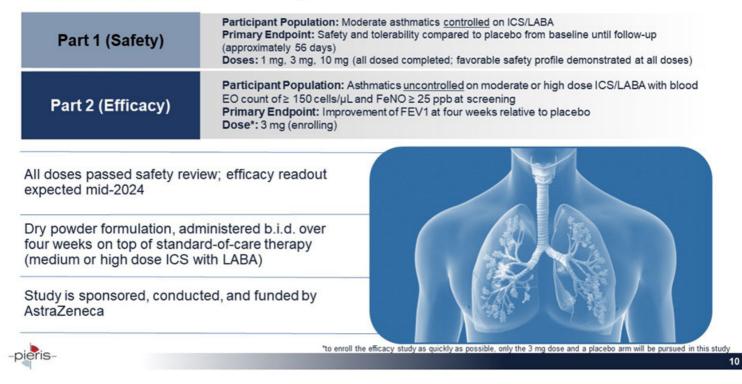
Indications	Moderate-to-severe asthma	
Development	Phase 2a ongoing	
Commercial Rights	Co-development and U.S. co-commercialization options with gross margin share or royalties	Ne



Pieris' Vision for Elarekibep Future Potential



Elarekibep Phase 2a Study



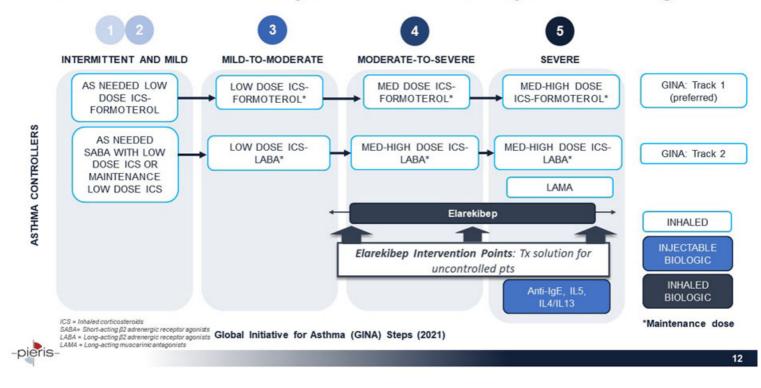
DPI Formulation of Elarekibep Passed Safety Review (Part 1) at Each of Three Tested Doses

Safety Protocol: Moderate asthmatics controlled on standard-of-care therapy (medium dose ICS with LABA) were dosed twice daily over four weeks randomized across three dose levels and placebo

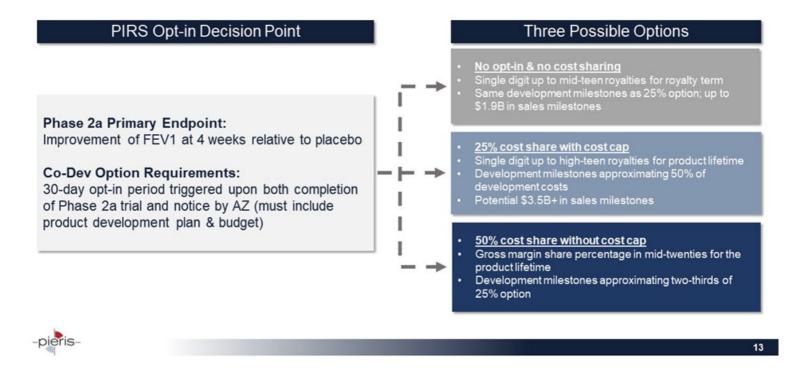
• Part 1a: 31 patients (1mg; 3mg; pbo) Part 1b: 18 patients (10mg; pbo)



Potential Large Market Opportunity in Moderate-to-Severe Asthma not Addressed by ICS/LABA before Injectable Biologics



Co-Development Options for Elarekibep



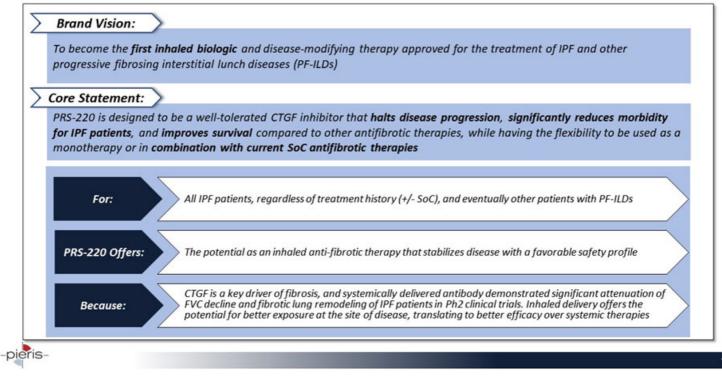
PRS-220: Inhaled CTGF Antagonist

Indications	IPF* and other forms of fibrotic lung diseases	
Development Stage	Phase 1 in healthy volunteers	
Commercial Rights	Fully proprietary	SYC

*IPF - Idiopathic Pulmonary Fibrosis



Pieris' Vision for PRS-220 Future Potential



IPF: High Unmet Medical Need and Significant Commercial Opportunity

Percent surviva

2

Adapted from Cameli, Frontiers in Molecular Biosciences, 2020

Time (days)

A chronic lung disease:

median survival from

the time of diagnosis Hookins, European Respiratory Journal, 2016

approved therapies nintedanib &

benefit with significant side effects

pirfenidone providing modest

ultimately fatal lung disease of unknown cause characterized by progressive scarring of the interstitial lung tissue



tolerated and effective

therapies



-pieris-

3 to 5

years

PRS-220: Rationale for Best-in-Class Potential

Potential key points of differentiation of inhaled PRS-220 compared to systemically delivered CTGF antagonists:

More Efficient Target Saturation	 Avoidance of systemic CTGF sink (in blood) Significantly higher affinity with superior binding profile
Superior Lung Biodistribution	 Local delivery to the site of the disease in the lung via inhalation Increased concentration
Increased Convenience	 Inhalation at home compared to regular visits to infusion centers for intravenous administrations Administration on top of standard of care
-pieris-	

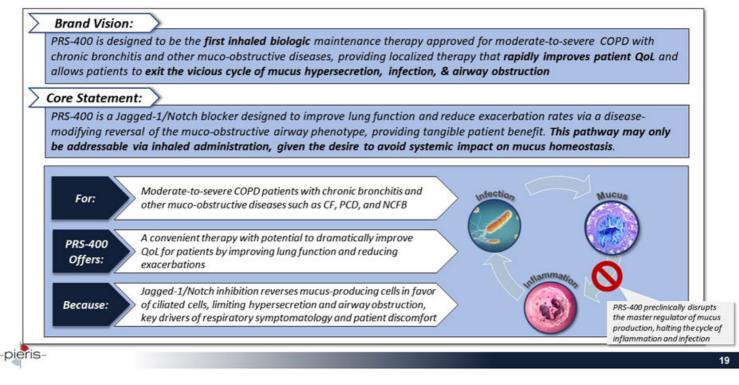
PRS-400: An Inhaled Jagged-1 Antagonist

Indications	COPD, CF, PCD, CRS, Bronchiectasis and Asthma*	Al mar
Development Stage	Preclinical	
Commercial Rights	Fully proprietary	Ne

*COPD - Chronic Obstructive Pulmonary Disease; CF - Cystic Fibrosis; PCD - Primary Ciliary Dyskinesia; CRS - Chronic Rhinosinusitis

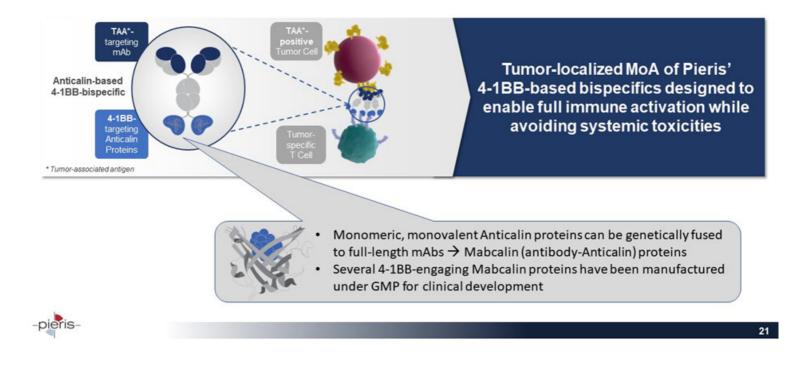


Pieris' Vision for PRS-400 Future Potential





Anticalin Proteins are Also Well Suited to Build Mabcalin™ Bispecific Immune Agonists to Treat Cancer



Pieris' IO Bispecifics Pipeline is Driven by Partnerships and Offers Future Milestone and Royalty Upside

Program	Target	Indication	Discovery	Preclinical	Phase 1	Phase 2	Partner
cinrebafusp alfa*	4-1BB/HER2	HER2+ GC			-		
PRS-344/ S095012	4-1BB/PD-L1	n.d.	~50% co-de	ev cost share			SERVIER .
PRS-346/ SGN-BB228	4-1BB/CD228	n.d.		-			OSeagen
PRS-342/ BOS-342	4-1BB/GPC3	n.d.					BOSTON
SGN programs [‡]	n.d.	n.d.					OSeagen

* Announced stopping enrollment in 3Q22 due to strategic reasons, including focus on respiratory portfolio; spin-out and partnering discussions ongoing

* Two additional active bispecific programs in collaboration with Seagen, with Pieris retaining a U.S. co-promotion option in one of the programs in the collaboration



Successful track record of partnering 4-1BB assets for value

Pieris' Partnerships Have Validated Both Respiratory and IO Franchises and are a Source of Non-Dilutive Capital

	Active Programs	Cash to Date*	Cash Potential*
AstraZeneca	Two (all with co-dev)	\$70.5M	>\$4.3B plus royalties
Genentech A Member of the Roche Group	One (two additional starts available)	\$20M	~\$1.1B plus royalties
SERVIER, moved by you	One co-dev program	~\$41M	~\$20M plus royalties
ÖSeagen	Three (one with U.S. copromotion option)	\$40M	~\$1.2B plus royalties
BOSTON	One	\$10M	~\$350M

*As of May 10, 2023 (date of first quarter earnings and business update press release)



Multiple Inflections are Forecasted Over the Next 12-15 Months

- · Elarekibep:
 - o Phase 2a topline efficacy data (4-week placebo-adjusted FEV1)
 - o Elarekibep: Pieris co-development opt-in decision
- PRS-220
 - o Phase 1 topline data
 - Preclinical PoC demonstrating superior potential of inhaled vs. systemic administration of a CTGF antagonist in IPF
- PRS-400
 - o Drug candidate nomination
 - o Preclinical PoC in therapeutic preclinical model of disease
- 10
 - o Clinical progress & milestone opportunities across partnered pipeline
 - Further partnering and other strategic opportunities, given strength of clinical data (cinrebafusp alfa)



Financial Overview (as of 3/31/23)



225 Franklin Street Boston, MA 02110 USA Zeppelinstraße 3 85399 Hallbergmoos Germany



Nasdaq: PIRS

