UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

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

Date of Report (Date of earliest event reported): November 18, 2021

PIERIS PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

	appropriate box below if the Form 8-K filing is intended to simultaneously satisfy Written communications pursuant to Rule 425 under the Securities Act (17 CF Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 2 Pre-commencement communications pursuant to Rule 14d-2(b) under the Exch Pre-commencement communications pursuant to Rule 13e-4(c) under the Exch egistered pursuant to Section 12(b) of the Act: Title of each class	R 230.425) (40.14a-12) hange Act (17 CFR 240.14d-2(b))	any of the following provisions:	Name of each exchange on which registered
	Written communications pursuant to Rule 425 under the Securities Act (17 CF Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 2 Pre-commencement communications pursuant to Rule 14d-2(b) under the Excl	R 230.425) (40.14a-12) hange Act (17 CFR 240.14d-2(b))	any of the following provisions:	
	Written communications pursuant to Rule 425 under the Securities Act (17 CF Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 2	R 230.425) 440.14a-12)	any of the following provisions:	
	Written communications pursuant to Rule 425 under the Securities Act (17 CF	R 230.425)	any of the following provisions:	
			any of the following provisions:	
eck 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:	
	(Former	N/A r name or former address, if changed sin	ce last report.)	
	Registran	t's telephone number, including area coo	le: 857-246-8998	
	Boston (Address of principal ex	-	(Zip Code)	
	225 State Street,	9th Floor	02109	
Nevada (State or other jurisdiction of Incorporation)		(Commission File Number)		(IRS Employer Identification No.)
		001-37471		30-0784346

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 7.01 Regulation FD Disclosure.

Attached hereto as Exhibit 99.1 and incorporated by reference herein is the November 2021 Investor Presentation of Pieris Pharmaceuticals, Inc.

The information set forth under this "Item 7.01. Regulation FD Disclosure," including Exhibit 99.1 attached 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 Investor Presentation, Dated November 2021.

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.

PIERIS PHARMACEUTICALS, INC.

/s/ Tom Bures
Tom Bures
Chief Financial Officer

Dated: November 18, 2021







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 1944, as amended. Statements in this presentation that are not purely historical are forward-looking statements. Such forward-looking statements include, among other things, the timing for initiation of clinical trials of PRS-220, whether PRS-220 will provide a clinical benefit in the treatment of IPF and PASC-related fibrosis, whether the combination of clinical trials of PRS-220, whether PRS-220 will provide a clinical aneed in HER2 gastric cancer patients who do not respond to traditional HER2-targeted therapies; whether the effects of the combination of clinical trials, whether therapies served in clinical base prevented in the second trials; whether there that from patients encolled to date will be sufficient to inform the recommended phase 2 dose for the Company's planned proof of concept study of clinebafus patif in gastric cancer; the expected timing and potential outcomes of the reporting by the Company of key clinical data from its programs, 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 co-development programs into and through the clinic and the expected timing of the initiation of the next stage of clinebafus patifs development in gastric cancer. 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 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, our ability to develop, complete clinical trials whether exerces and dress the requestion. Such factors include, among others, our ability to dates tor ned questo



Our Formula for Success

We combine leading protein engineering capabilities and deep insights into molecular drivers of disease to develop medicines that drive local biology to produce superior clinical outcomes for patients



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Executive Summary

via Efficient Biology	Improved activity, reduced side effects, increased convenience
Two Focus Areas	 Oral inhaled antagonists for respiratory disease Locally activated immuno-oncology bispecifics 2 POC readouts in '22; several follow-on candidates
Supportive Partnerships	 ~\$200M since 2017 in upfronts, milestones and equity investments Several co-developed and out-licensed programs Clinical supply for combination studies and development expertise

Anticalin[®] Proteins as Therapeutic Modalities

A Novel Therapeutic Class with Favorable Drug-Like Properties

- Human Derived from lipocalins (human extracellular binding proteins)
- Small Monomeric, monovalent, small size (~18 kDa vs ~150kDa mAbs)
- Stable Inhalable delivery
- Simple Bi/multispecific constructs
- Proprietary Broad IP position on platform and derived products

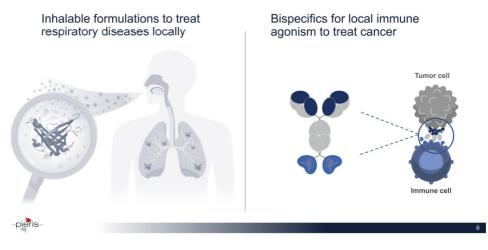
Translational Science Expertise to Deploy Platform in Meaningful Way

- Immunology expertise underpins IO and respiratory focus
- A leader in 4-1BB and costim biology
- Patient phenotyping efforts for improved stratification and novel intervention points in, e.g., asthma



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Two-fold Focus of Anticalin Platform Deployment

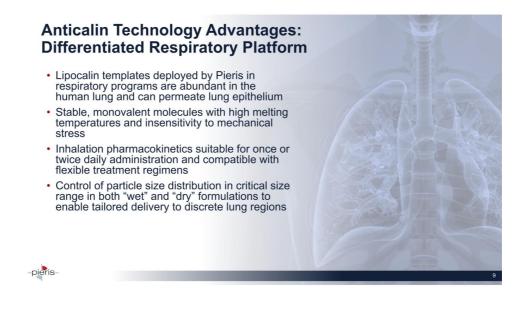


Our Pipeline

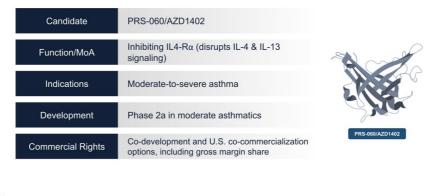
CANDIDATE T	TARGETS	INDICATION	PARTNER	OUR COMMERCIAL RIGHTS	DISCOVERY	PRECLINICAL	PHASE I	PHASE II
PRS-060/AZD1402	IL4-Ra	Asthma	AstraZeneca	Worldwide Profit-Share Option				
PRS-220	CTGF	IPF, PASC-PF	n/a	Worldwide				
AstraZeneca Programs*	n.d.	n.d.	AstraZeneca	Worldwide Profit-Share Options				
Genentech Programs⁺	n.d.	n.d.	Genentech	Royalties				
*4 respiratory programs in collabo	oration with As	straZeneca, 2 of wi	hich carry co-deve	lopment and co-commercialization o	ptions for Pieris			
*Collaboration includes 1 respirato	ory program a	and 1 ophthalmolog	ay program					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
IMMUNO-ONCOLOGY								
CANDIDATE T	TARGETS	INDICATION	PARTNER	OUR COMMERCIAL RIGHTS	DISCOVERY	PRECLINICAL	PHASE I	PHASE II
		HER2-High GC**						
Cinrebafusp Alfa (PRS-343) 4-	4-1BB/HER2	HER2-Low GC**	n/a	Worldwide				
PRS-344/S095012 4-	4-1BB/PD-L1	n.d.	* ===	US Rights; ex-US Royalties				
PRS-352	n.d.	n.d.		Royalties				
PRS-342/BOS-342 4-	4-1BB/GPC3	n.d.	BOSTON	Royalties				
Seagen Programs‡ Co	o-stim Agonist	n.d.	OSeagen	US Co-Promotion Option; Royalties				
*3 bispecific programs in collabora	ration with Sea	agen, with Pieris re	taining a US co-pr	omotion option for the second progr	ram			

Validating Partnerships with Leading Companies





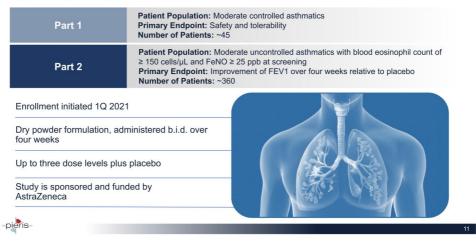
PRS-060/AZD1402: Inhaled IL-4Rα Antagonist



10

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PRS-060 Phase 2a Trial

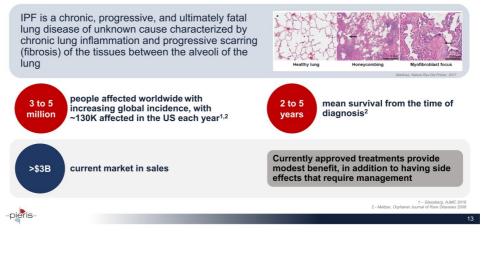


PRS-220: Inhaled CTGF Antagonist

	Candidate	PRS-220
	Function/MoA	Inhibiting CTGF/CCN2
	Indications	IPF and PASC-PF*
	Development	Entering phase 1 in 2022
	Commercial Rights	Fully proprietary
	*Idiopathic Pulmonary Fibrosis a	nd Post-Acute sequelae of SARS-CoV-2 infection (PASC) Pulmonary Fibrosis
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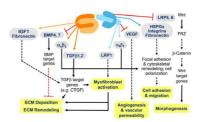
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IPF: High Unmet Medical Need and Significant Commercial Opportunity



CTGF: Clinically Validated Intervention for IPF

- Connective tissue growth factor (CTGF), or CCN2, a protein localized in the extracellular matrix, is a driver of fibrotic remodeling as consequence of an aberrant wound healing process
- Over-expression of the protein in lung tissue is observed in patients suffering from IPF
- Competitor clinical data indicate inhibition of CTGF reduces the decline in lung function among patients with IPF
- Competitor compound requires highdose infusions to effectively target lungresident CTGF

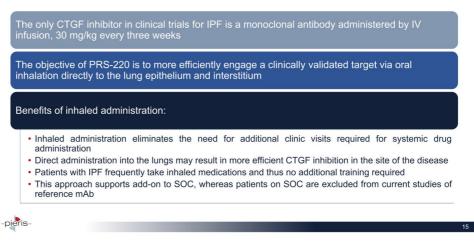


CTGF affects multiple signaling pathways and processes important in pathophysiology. CTGF interacts with a variety of molecules, including cytokines and growth factors, receptors and matrix proteins. These interactions alter signa ransduction pathways, either positively or negatively, which results in changes in cellular resoneses.

(Lipson, Fibrogenesis & Tissue Repair, 201)

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PRS-220: Inhaled Solution



Grant From Bavarian Government to Support Program Acceleration and Evaluation of Efficacy in PASC-PF



approximately 14 million euro grant from the Bavarian government for the research and development of PRS-220 for post-acute sequelae of SARS-CoV-2 infection (PASC) pulmonary fibrosis (PASC-PF)

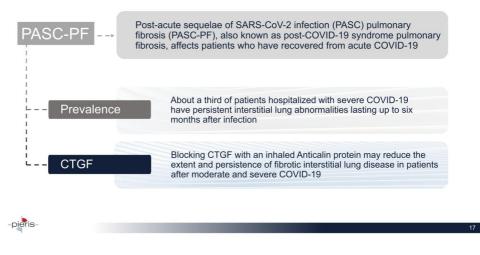
Grant will:

- Allow Pieris to accelerate development of the program IND planned 2022
- Support clinical-readiness activities and initial clinical development for the program, including GLP tox studies, GMP manufacturing, and phase 1 clinical development

 Broaden scope of the program beyond the original IPF indication by including the evaluation of PRS-220 for the treatment of post-COVID-19-related pulmonary fibrosis

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PRS-220 for PASC-PF



Cinrebafusp Alfa (PRS-343): Lead IO Asset

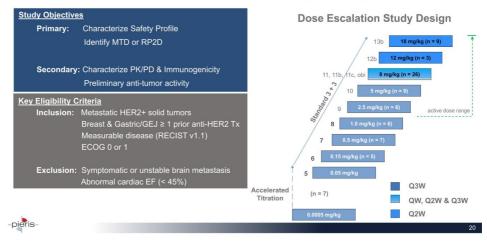
	Candidate	Cinrebafusp alfa (PRS-343)	HER2-Targeting Antibody
	Function/MoA	Tumor-targeted 4-1BB agonism and HER2 antagonism	
	Indications	HER2-high and HER2-low gastric cancer	
	Development	Initiating phase 2	
	Commercial Rights	Fully proprietary	4-1BB-Targeting Anticalin Proteins
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Cinrebafusp Alfa Phase I Summary

- Acceptable profile observed at all doses tested with no dose-limiting toxicities
- Clinical benefit at active dose levels (≥2.5 mg/kg), including confirmed complete response and several confirmed partial responses
- Dose-dependent immune activation and 4-1BB modulation in both HER2-high and HER2-low expressing patients
- Durable anti-tumor activity in heavily pre-treated patient population, including "cold" tumors
- Moving into phase 2 in HER2-high and HER2-low gastric cancer
- As lead IO program, cinrebafusp alfa provides key validation of 4-1BB franchise and follow-on programs, including PRS-344 and PRS-342

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Cinrebafusp Alfa Phase 1 Monotherapy Study



Phase 1 Monotherapy Treatment Related Adverse Events at Active Doses (≥ 2.5 mg/kg)

Treatment Related Adverse Events (TRAEs occurring in > 1 patient; n = 53)	All Grades n (%)	Grade 1-2 n (%)	Grade 3-4 n (%)
Infusion related reaction	13 (25%)	9 (17%)	4 (8%)
Nausea	7 (13%)	7 (13%)	
Chills	6 (11%)	6 (11%)	
Vomiting	6 (11%)	6 (11%)	
Dyspnea	4 (8%)	4 (8%)	
Fatigue	4 (8%)	4 (8%)	
Arthralgia	3 (6%)	2 (4%)	1 (2%)
Decreased appetite	3 (6%)	3 (6%)	
Non-cardiac chest pain	3 (6%)	3 (6%)	
Asthenia	2 (4%)	2 (4%)	
Diarrhea	2 (4%)	2 (4%)	
Dizziness	2 (4%)	2 (4%)	
Headache	2 (4%)	2 (4%)	
Paresthesia	2 (4%)	1 (2%)	1 (2%)
Pruritus	2 (4%)	2 (4%)	
Pyrexia	2 (4%)	2 (4%)	
Rash	2 (4%)	2 (4%)	
1 Gr 3 Ejection Fraction dec and 1 Gr 3 He	eart Failure; both events occ	urred in one patient and reso	Ived w/o sequelae. Data cut-off: 25-Feb-2

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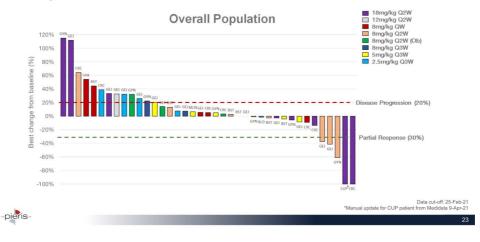
	9	10	11	11b	Obi	11c	12b	13b	Cohort
Total	2.5 mg/kg, Q3W	5 mg/kg, Q3W	8 mg/kg, Q3W	8 mg/kg, Q2W	8 mg/Kg, Q2W	8 mg/kg, QW	12 mg/kg, Q2W	18 mg/kg, Q2W	Best Response
42	5	7	4	7	4	5	2	8	Evaluable Patients
1	-	-	-	-	-	-	-	1	CR
4	-	-	-	3	-	-	-	1	PR
17	2	3	3	3	2	1		3	SD
12%	0%	0%	0%	43%	0%	0%	0%	25%	ORR
52%	40%	43%	75%	86%	50%	20%	0%	63%	DCR

Summary of Responses in Phase 1 Monotherapy Study

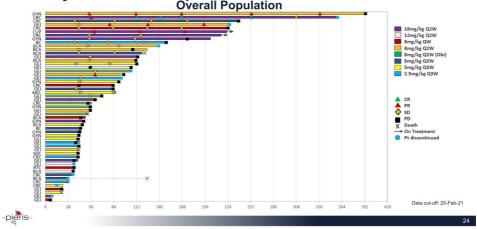
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Data cut-off: 25-Feb-21

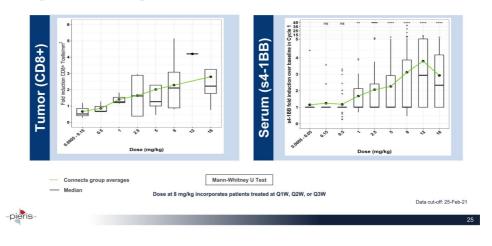
Cinrebafusp Alfa Phase 1 Monotherapy Efficacy Data: Analysis of Patients Treated at Active Doses



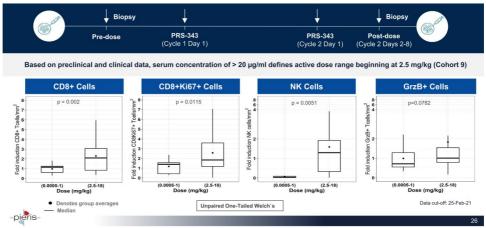
Durable Responses with Cinrebafusp Alfa Among Heavily Pre-treated Population Overall Population

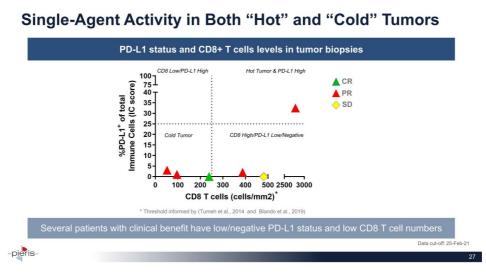


Cinrebafusp Alfa Shows Dose-dependent Activity Across Key Pharmacodynamic Parameters

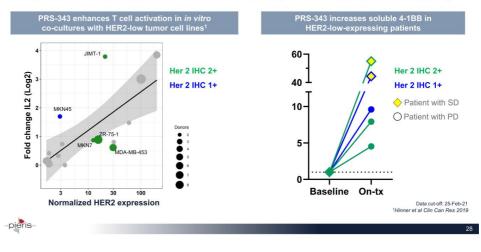


Cinrebafusp Alfa Activates Adaptive and Innate Immunity in the Tumor

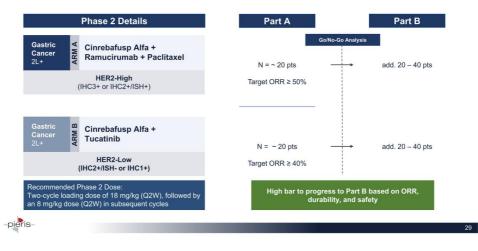




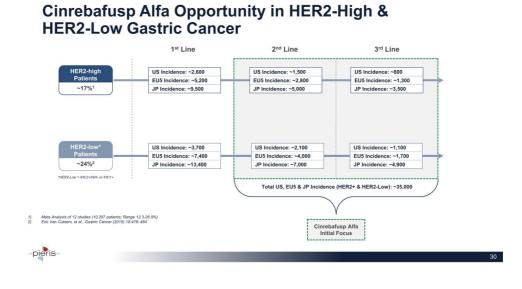
Single-Agent Activity in Both "Hot" and "Cold" Tumors



Signs of Preclinical and Clinical Activity in the HER2-Low Setting

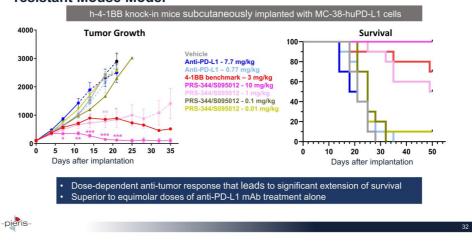


Cinrebafusp Alfa Clinical Development Plan



PRS-344/S095012: Meaningfully Building on Localized MoA of Cinrebafusp Alfa





PRS-344 Drives Strong Anti-tumor Activity in Anti-PD-L1 mAbresistant Mouse Model

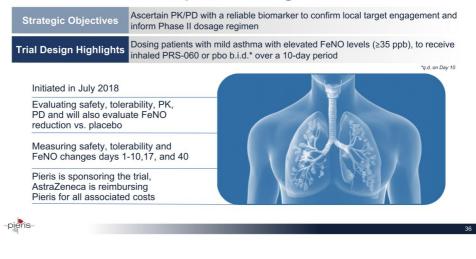
Financial Overview (As of 9/30/21)







PRS-060 Phase I Multiple Ascending Dose Trial



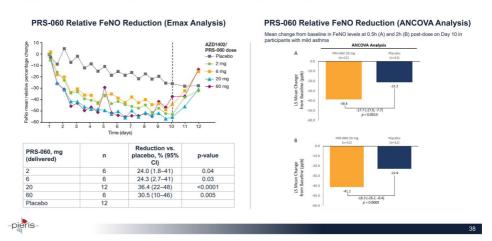
Phase 1b Interim Results: Favorable Safety Profile

- All doses of AZD1402/PRS-060 tested in the study were well tolerated
- No treatment-related serious AEs were observed

System organ class AE Preferred Terms ^b	Placebo (N = 12) n (%) m	AZD1402/PRS-060° (N = 30) n (%) m	Overall (N = 42) n (%) m
Gastrointestinal disorders	4 (33.3) 4	13 (43.4) 14	17 (40.5) 18
Dry mouth	1 (8.3) 1	2 (6.7) 2	3 (7.1) 3
Nausea	1 (8.3) 1	3 (10.0) 3	4 (9.5) 4
Infections and infestations	1 (8.3) 1	7 (23.3) 8	8 (19.0) 9
Upper respiratory tract infection	1 (8.3) 1	3 (10.0) 4	4 (9.5) 5
Nervous system disorders	5 (41.7) 9	13 (43.4) 18	18 (42.9) 27
Headache	3 (25.0) 6	5 (16.7) 7	8 (19.0) 13
Presyncope	0	4 (13.3) 6	4 (9.5) 6
Respiratory, thoracic and mediastinal disorders	6 (50.0) 6	14 (46.7) 15	20 (47.6) 21
Cough	1 (8.3) 1	4 (13.3) 4	5 (11.9) 5
Rhinorrhoea	2 (16.7) 2	1 (3.3) 1	3 (7.1) 3
Wheezing	2 (16.7) 2	4 (13.3) 5	6 (14.3) 7

37

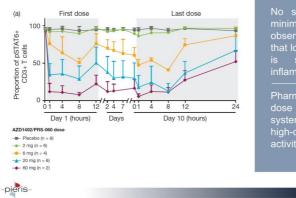
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Phase 1b Interim Results: Robust FeNO Reduction

Phase 1b Interim Results: Pharmacological Versatility

pSTAT6 levels over time following inhalation of PRS-060



No systemic target engagement and minimal systemic exposure was observed at the 2mg dose, suggesting that local target engagement by the drug is sufficient to reduce airway inflammation

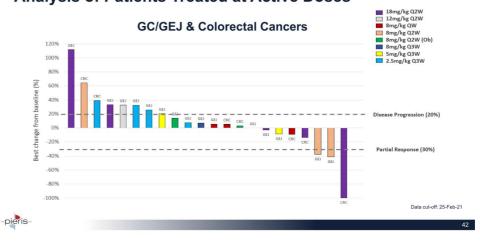
Pharmacological versatility, given lowdose FeNO reduction with no observed systemic activity (pSTAT6) versus high-dose FeNO reduction with systemic activity



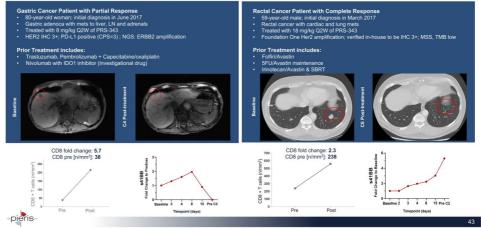
Phase 1 Monotherapy Baseline Characteristics (N = 78)

Characteristic	n (%)	Primary Cancer Type	n (%)	
Age, Median (range)	63 (24–92)	Castroscophagoal	24 (449()	
Gender		Gastroesophageal	34 (44%)	
F	46 (59%)	Breast	16 (21%)	
M	32 (41%)	Diodot	10 (2178)	
ECOG PS		Colorectal	12 (15%)	
0	19 (24%)			
1	59 (76%)	Gynecological	9 (12%)	
Prior Therapy Lines			10 - 22	
1	11 (14%)	Bladder	2 (3%)	
2	10 (13%)	Pancreatic	1 (19()	
3	16 (21%)	Pancreatic	1 (1%)	
4 12 (15%)		Other – Cancer	2 (20/)	
5+	29 (37%)	of Unknown Origin	2 (3%)	
ledian # of anti-HER2 Tx		Other - Salivary Duct	1 (1%)	
Breast	6			
Gastric	2	Melanoma	1 (1%)	
			Data cut-off: 25-Feb-2	

Cinrebafusp Alfa Phase 1 Monotherapy Efficacy Data: Analysis of Patients Treated at Active Doses







Case Study: PR in Cancer of Unknown Primary Patient Profile, Treatment History and Treatment Outcome

liagnosis October 2019 Radi			⊗*	54000000000000000000000000000000000000
		Lesion Si		Timepoint (days)
Lesion Site	Pre-treatment		Post-treatment	
Luna richt lauer labe maar	25			Cycle 6
				0
	20			-100%
Lung, bilateral pulmonary	Present	Not assessed	Present	Present
masses	riesent		Tresent	
	Present	Not assessed	Present	Present
	9 Radia ary Carbo nown nown	ary Carboplatin + gemcitabine underson nown Lesion Site Lung, right lower lobe mass 25 Total 25	9 Radiation ary Carboplatin + gemcitabine Lesion Site Pre-treatment Cycle 2 Lung, right lower lobe mass 25 13 Total 25 13	Lesion Site Pre-treatment Cycle 2 Cycle 4 Lung, right lower lobe mass 25 13 0

Case Study: SD in Colorectal Cancer

Patient Profile,	i reatment r	listory and	Treatment	Outcome	

ear-old female I diagnosis Jan 2009 e 4 Colorectal Adeno cer ival HER2 3+ stable; KRAS, NRAS	Carcinoma Folfin 5-FU BRAF wt Inves antib	or lines of therapy, includi i x + Avastin + bevacizumab uzumab/pertuzumab tigational agent (immune ody conjugate (ISAC) witl uzumab	stimulator	Q.	Story & Story &
Lesions			Lesion S	Size (mm)	iepoint (augo)
	Lesion Site	Pre-treatment		Post-treatment	
			Cycle 2	Cycle 4	Cycle 6*
Target 1	Lung, right upper lobe pulmonary nodule	10	8	8	-
Target 2	Lung, right lower lobe pulmonary nodule	12	11	11	
	Total	22	19	19	-
% Change from Baseline			-14%	-14%	-
	Lung, multiple pulmonary nodules	Present	Present	Present	
Non-target 1		<1.9	1.1	1.3	



Soluble 4-1BB (s4-1BB): Blood-based Biomarker of Cinrebafusp Alfa Engagement

- s4-1BB is an alternatively spliced form of 4-1BB receptor lacking the transmembrane encoding exon (Setareh et al., 1995; Shao et al., 2008)
- s4-1BB is **released by leukocytes in an activation-dependent manner** (Michel et al., 2000; Salih et al., 2001; Schwarz et al., 1996)
- s4-1BB is **produced with a slightly delayed kinetic to pathway activation**. Hypothesized role is as a negative regulator, keeping 4-1BB-mediated co-stimulation in check

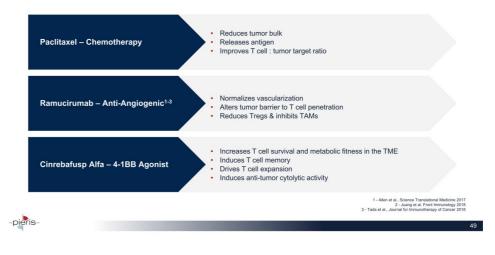
s4-1BB utility as a pathway specific biomarker provides ability to track cinrebafusp target engagement and activity using serum samples

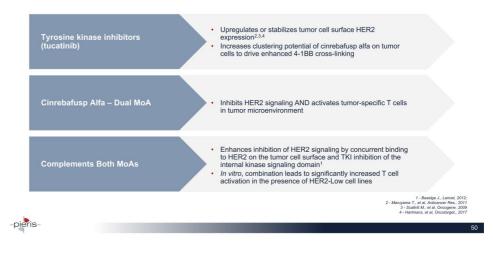
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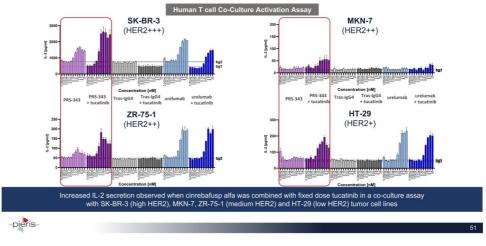


Scientific Rationale for Combining Cinrebafusp Alfa & SoC

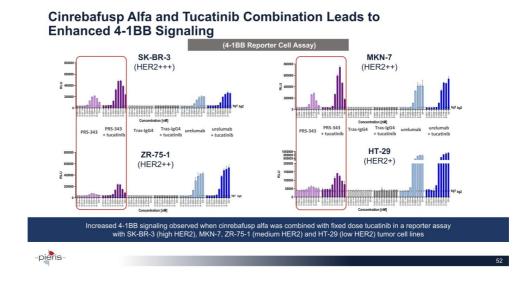




Scientific Rationale for Combining Cinrebafusp Alfa & Tucatinib



Cinrebafusp Alfa and Tucatinib Combination Enhances T-cell Activation



255 State Street Boston, MA 02109 USA Zeppelinstraße 3 85399 Hallbergmoos Germany



NASDAQ: PIRS

