# 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 22, 2019

# PIERIS PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Nevada (State or other jurisdiction of incorporation) 255 State Street, 9th Floor Boston, MA

(Address of principal executive offices)

001-37471 (Commission File Number) 30-0784346 (IRS Employer Identification No.)

02109

(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))

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

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.

On May 22, 2019, Pieris Pharmaceuticals, Inc. presented clinical data related to its phase 1a study of PRS-060 at the American Thoracic Society 2019 International Conference. The poster is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

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 Conference Poster, Dated May 22, 2019.

### 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 22, 2019

PIERIS PHARMACEUTICALS, INC.

/s/ Allan Reine

Allan Reine Chief Financial Officer

# First-in-human data for the inhaled IL-4Ra antagonist AZD1402/PRS-060 reveals a promising clinical profile for the treatment of asthma



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Bruns IB,<sup>1</sup> Fitzgerald MF,<sup>1</sup>Pardali K,<sup>2</sup> Gardiner P,<sup>3</sup>Keeling DJ,<sup>2</sup> Axelsson LT,<sup>2</sup> Jiang F,<sup>2</sup>Lickliter J,<sup>4</sup> Close DR<sup>5</sup> Piers Pharmaceuticals, Boston, MA, USA; "Early Respiratory, Inflarmation and Autoimmunity, R&D Biopharmaceuticals, AstraZeneca, Gothenburg, Sweder; "Clinical Pharmacology and Safety Sciences, R&D Biopharmaceuticals, AstraZeneca, Gothenburg, Sweden; "Nucleus Network, Melbourne, Australia; "Early Respiratory, Inflammation and Autoimmunity, R&D Biopharmaceuticals, AstraZeneca, Cambridge, UK



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thics approval The potent of the subject information and consent form, and other initianet study documentation were approved by the ethics committee (Alted Healt). Molitourne, Australia) before initiano of the study. Proceed amendments were approved by the independence Ethics Committee (ECI/Institution Review Board (PB) before being implemented submitted to the ECI/RB for information as mentioned.

Information, as required. ClinicalTrials gov identifier: NCT00384290.

- PRS-060: 18 were randomized to
- receive placetto.
- motive placetic. Tagit subjects wern allocarbid to each ophort. All 72 emoted subjects completed this study, the mean age way buy both and all subjects were men. The majority of the subjects (56.7%) were write. The mean body mass index was 24.5 light?
- Signary days Subjects are signary days Subjects are signary days of days of days of days of days of the second by the protocol by the yours 1 days of the solution of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares if a state of the second state of the second state of the Subject shares of the second state of the second state of the second state The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 2 mg, magnified; The Thermore, days of costs 3 and 9 second 1 forg and 1 mg, days of the top and 1 mg, days of the top and 1 mg haled doses and angle intravenous doses of AZD1400/PRS-060 were well
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tales in , harring of scottes is constant of a 200423 in five ap registed any similar the basis	encited category. You	Visition disrupti adverse ove	et URTLasser	
Other than Headache and URTI, no oth receiving AZD1402PRS-060 and place – Moderate TGAEs reported by subjec 2 events of URTI. – Noderate TGAEs reported by subjec headache, URTI and Ionalita. No dincatly significant anonrematiliss on	er events coperio cbo. Its receiving plac ta receiving AZD change from ba	inced by subjects were o abo included 1 event of i 1402/PRS-000 included settee in hematisticay, clim	common to those nuscle injury and 1 event each of ical chemistry	
lateratory readity, unralpsis naulta, vis any subjects. • No notable changes in any of the pulme	é signs or 12-lea onary mechanic	d electrocardiogram valu measurements or the fur	es were noted in cod expiratory	
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Figure 3. Securi PK profile of AZD1402/PRS-060 after oral in

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Delivered dos

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- 24 mg

- 190 mg

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	(n mp (n + n)	2 mg (n x n)
AUC in right	187.3 (32.5)	311.6 (23.0)
Com rotel	129.3 (13.1)	201.6 (0.0)
MRT <sub>un</sub> h	1.4 (0.2)	1.5(0.1)
Tuan (11/969, 4933)	10 (0.97.1.1)	1.0 (0.07, 1.0)
6.0	22,078	23 (0.1)
QL UN	5.5 (0.94)	6.4 (0.5)
V <sub>er</sub> L	7.6 (0.69)	9.7 (0.7)
V.L	17.0 (4.0)	21.5 (2.4)

Treebours

Serum PK parameters ofter AZD1402/PR5-080 crail indiation/intravenous indican at the derivered dose for cohorts 4–9 (PK population) Sytomic opcume was doserved from 8 mg derived ricce (cohort 4 and opcume increased with date (Figure 3)

The territical planum mean (signatured deviation (SD(s)) gauged from 4.2 (1.7) hours in cohort 4 (8 mg), to 6.0 (0.7) hours in cohort 7 (160 mg) (Table 3). After intravenous infusion, the mean (SD) (2 mea 2.2 (0.6) hours for ochart 8 and 2.3 (0.1) hours

- ised 0/Table 4
- Issue definition. Issue definition: Issue definition: Issue definition: Issue definition: Issue and Issue and Issue and Issue and Issue and Issue and Issue adoption is and phases 63 hours and 100 hours). The double percentage locatediality of the inteled doors and determined to be believen 7.0%. Issue and Issues.

and 13.05. Urinary escretion of unchanged AZD MO2PRS-003 was not detected after intervences administration or and inhalitor, ascept in time individuals in high-dates and inhalition canbots. These were no confirmed positive anti-AZD1402PRS-000 antibodies in any of the date groups



Figure 4. (a) pSTAT6 levels after inhalation of AZD1402/PRS-060 and (b)

PD analysis to establish target engagement • tribiotor of GTATE and discreted fram cohort a consists (seleven) done 8 mg)/Pgure 4a) • tribiotor of optimic gSTATE and consequencion and adjund with optimic exposure of AED14(30978):500 (Fgure 4) • Nana complete and scattered Infollow rate adjunct with type Trobel diseas.

## Conclusions

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- FeNO, a validated biomarker of detime. This will help to determine the intraled dose levels for evaluation in future cludies of this finat-in-class, intelest Anticalis molecule.

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Bargar Mitrix at J Allergy City International 2012;122:478-22 nowledgments

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Table characteristics were evaluated as an expression retro with notice in any subjects. Table characteristics were evaluated as an expression recipient. — The assessment did not identify any significant table or small associated with the study drug or placebo.