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): September 16, 2017

PIERIS PHARMACEUTICALS, INC.

(Exact Name of Registrant as Specified in its Charter)

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

255 State Street, 9th Floor Boston, MA United States (Address of principal executive offices, including zip code)

Registrant's telephone number, including area code: 857-246-8998

	ck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under 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))						
	cate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 & \$230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).						
Eme	erging Growth Company 🗵						
	emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.						

Item 7.01 Regulation FD Disclosure.

On September 16, 2017, Pieris Pharmaceuticals, Inc. presented on the safety, tolerability and pharmacodynamics of PRS-080. The poster is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated by reference herein.

The information set forth under this "Item 7.01. Regulation FD Disclosure," including the exhibits attached 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 9.01 Financial Statements and Exhibits

(d) Exhibits.

99.1 Conference Poster of Pieris Pharmaceuticals, Inc., dated September 2017.

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: September 18, 2017 PIERIS PHARMACEUTICALS, INC.

By: /s/ Allan Reine

Name: Allan Reine

Title: Chief Financial Officer

EXHIBIT INDEX

Exhibit

No. Description

99.1 Conference Poster of Pieris Pharmaceuticals, Inc., dated September 2017.





Safety, tolerability, and pharmacodynamics of the hepcidin antagonist PRS-080#022-DP after single administration - a phase Ib study in anemic chronic kidney disease patients undergoing hemodialysis





Introduction Hepcidin plays a major role in the regulation of the iron metabolism in patients with functional iron deficiency (FID) anemia. Elevated levels of hepcidin restrict iron availability PRS-080#022 a 20kD Anticalin* protein linked to 30kD linear poly-ethylene-glycol, is developed for the treatment of FID anemia associated with chronic kidney disease. It specifically binds to human hepcidin 25, thereby inhibiting its activity. By antagonizing hepcidin PRS-080#022 has the potential to improve iron availability and erythropoiesis, while avoiding overload with exogenous iron and reducing the administered levels of ESAs [1]. First data of this randomized, placebo controlled phase I study have already been presented on the ERA-EDTA congress in Spain, 2017 [2]. Here we show further results of single doses of PRS-080#022-DP in anemic patients with chronic kidney disease (CKD) requiring hemodialysis.

Mobi inclusion criteria, Chronic hemodilaylas for ≥ 90 days, anima of CKD, stable condition, blood hemoglobin 9.0 to 12.0 g/dt, Mobi enclusion criteria, Chronic hemodilaylas for ≥ 90 days, anima of CKD, stable condition, blood hemoglobin 9.0 to 12.0 g/dt, transferrin saturation (TSAT) < 40%, ferritin > 300; malignate, plasma feeting the heapt tills, to 10 to 15 mmol/L. Mobi enclusion criteria, Amenia of other cause in alignate, infection with heapt tills, to 11 million 11 week prior to

transferrin saturation (TSAT) « Moin exclusion criterio: Anem and after study medication. Study protocol: Single IV injection of study medication; 4 weeks of follow-up; 3 cohor with 8 patients per cohort, each cohort consisting of 6 study drug and 2 placebo treatments: increment doses: 2, 4, and 8 mg/kg from the first to the last cohort.

	Demographic data					at screening		
	N	Mean Body weight Poll	Mean Age [years]	Mean SM (kg/m²) (nalo.)	Gender	Hepcidin Plasma [nM]	TART	Funition (ng/mt)
estnert								
Saceto	6	73.32 ±10.75	54.0 ±13.2	2650 14.13	3 malesi 3 females	313 x 38	22.2 ±8.5	600.0 ±309.3
mg/kg	6	73.00 ±17.62	58.5 ±10.3	26.22 ±5.54	4 males /2 females	18.1 ±7.7	25.5 ±10.9	539.7 ±367.3
mg/kg	0	76.36 ±17.61	58.2 (15.7	24.62 ±6.46	5 males /1 females	22.1 (11.8	21.5 ±7.9	715.0 (404.8)
mgkg	4	85.42 (9.33	49.0 (17.4	28 58 13 82	5 males /1 females	30.719.2	20.8 ±4.3	888.8 x376.3
Tetal	34	77.05 ±14.43	55.4 214.1	26.56 24.88	17 males/?females	26.6 ±15.7	29.3 ±7.9	795.9 1368.7

Pharmacodynamics

um iron concentration and TSAT following treat

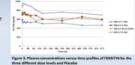
PRS-080#022-DP mobilizes 1 and 2).

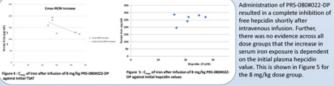
We have previously shown that both iron and TSAT reach maximal levels 19 hours after infusion at all 3 dose levels studied (2, 4, and 8 mg/kg) [2]. We also showed that the magnitude and duration of elevated serum iron levels and TSAT concentrations increase dose-proportionally.

Compared to Placebo, Ferritin levels are not affected by the single administration of PRS-0808022-0P in all three dose groups (Figure 3). In oglobin 9.0 to 12.0 g/dL, addition, initial plasma ferritin concentrations appear to have no influen o75 nmol/L.

on maximal concentration of iron after the different treatments.

Maximum serum iron mobilization appeared to correlate with baseline TSAT levels across all dose groups, such that patients with lower initial TSAT levels showed higher $C_{\rm max}$ iron increases following RPS-0980022-DP mediated hepcidin inhibition. The relationship between initial TSAT and _{ux} of iron is shown in Figure 4 for the 8 mg/kg dose group.

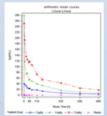




Pharmacokinetics and Safety Mean plasma concentrations of Total and Free

Pharmacokinetics and Safety Mean plasma concentrations of Total and Free PRS-080002-2-DP show a dose-dependent increase after administration of 2, 4 and 8 mg/kg PRS-080002-0.P T_{max} of Total and Free PRS-080002-2-DP occur at about 1 to 1.085 hours (median). (Figure 6) PRS-0800020 was safe and well tolerated. The only reported serious adverse event (worsening of dry gangrene) after active treatment (2 mg/kg bw dose) was assessed as not related to PRS-080002-2DP by the investigator. No injection site reactions and no dose-dependent increase of AEs was observed within the 3 dose groups.

Conclusion The excellent safety profile and the confirmed activity of PRS-080#022-DP on iron metabolism observed in anemic dialysis dependent end-stage chronic kidney disease patients warrant further investigation of PRS-080#022-DP.



As shown in Figure 1, following treatment with PRS-0808022-DP 8 mg/kg, iron levels rise and then return to baseline values between 5 and 7 days after the end of the infusion, which is a longer duration of iron mobilization when compared to the 2 and 4 mg/kg doses [2]. As also shown in Figure 1 and 2 for patients receiving 8 mg/kg PRS-0808022-DP, the TSAT and iron levels show identical time profiles, indicating that most of the iron is transferrin bound.