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 4, 2015

PIERIS PHARMACEUTICALS, INC.

(Exact Name of Registrant as Specified in its Charter)

Nevada (State of Incorporation) 333-190728 (Commission File Number) EIN 30-0784346 (IRS Employer Identification No.)

Lise-Meitner-Strasse 30 85354 Freising-Weihenstephan, Germany (Address of principal executive offices, including zip code)

Registrant's telephone number, including area code: +49 81 6114 11400

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))

Item 7.01 Regulation FD Disclosure.

Attached hereto as Exhibits 99.1 and 99.2 and incorporated by reference herein are industry conference presentations of Pieris Pharmaceuticals, Inc.

The information set forth under this "Item 7.01. Regulation FD Disclosure," including the exhibit 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 Industry Conference Presentation of Pieris Pharmaceuticals, Inc. at BIO-Europe 2015, dated November 4, 2015.
- 99.2 Industry Conference Presentation of Pieris Pharmaceuticals, Inc. at PEGs Europe Protein & Antibody Engineering Summit, dated November 4, 2015.

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: November 4, 2015

PIERIS PHARMACEUTICALS, INC.

By: /s/ Darlene Deptula-Hicks

Name: Darlene Deptula-Hicks Title: Chief Financial Officer

EXHIBIT INDEX

Exhibit No.	Description
99.1	Industry Conference Presentation of Pieris Pharmaceuticals, Inc. at BIO-Europe 2015, dated November 4, 2015.
99.2	Industry Conference Presentation of Pieris Pharmaceuticals, Inc. at PEGs Europe Protein & Antibody Engineering Summit,

dated November 4, 2015.



PRS-300 Series – Multispecific Anticalin® Fusions in Immuno-Oncology

BioEurope – Munich November 04, 2015

Forward Looking Statements



Statements in this presentation that are not descriptions of historical facts are forward-looking statements that are based on management's current expectations and assumptions and are subject to risks and uncertainties. In some cases, you can identify forward-looking statements by terminology including "anticipates," "believes," "can," "continue," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "projects," "should," "will," "would" or the negative of these terms or other comparable terminology. Factors that could cause actual results to differ materially from those currently anticipated include, without limitation, risks relating to the results of our research and development activities, including uncertainties relating to the discovery of potential drug candidates and the preclinical and clinical testing of our drug candidates; the early stage of our drug candidates presently under development; our ability to obtain and, if obtained, maintain regulatory approval of our current drug candidates and any of our other future drug candidates; our need for substantial additional funds in order to continue our operations and the uncertainty of whether we will be able to obtain the funding we need; our ability to retain or hire key scientific or management personnel; our ability to protect our intellectual property rights that are valuable to our business, including patent and other intellectual property rights; our dependence on third-party manufacturers, suppliers, research organizations, testing laboratories and other potential collaborators; competition in our industry; regulatory developments in the U.S. and foreign countries; as well as those risks more fully discussed in the "Risk Factors" section of our Current Report on Form 8-K filed with the SEC on December 18, 2014, the Company's annual report on Form 10-K for the fiscal year ended December 31, 2014, the Company's quarterly reports on Form 10-Q, and the other reports we file with the SEC. In light of these risks, uncertainties and assumptions, the forward-looking statements regarding future events and circumstances discussed in this report may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. The forward-looking statements included in this presentation speak only as of the date hereof, and except as required by law, we undertake no obligation to update publicly any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations.

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015



Company & Anticalin® Technology

Pieris Pharmaceuticals, Inc.





Proprietary Next-generation Therapeutic Proteins With Several Degrees of Validation

Human data demonstrating desired drug-like properties

- 26 solid tumor patients with VEGF-A antagonist
- 36 healthy volunteers with hepcidin antagonist
- Several R&D partnerships generating \$40+ M in revenue
 - Potential for future milestone and royalties
 - Retained commercial rights in major markets









High Caliber Investors

- OrbiMed Advisors (~19%), Tekla Capital Management (~10%), Lombard Odier (~6.5%); Ally Bridge Group, Auriga, Emerald Mutual Fund, Forbion, Gilde, GLSV, Novo Nordisk, Sphera Funds, Zydus
- \$110M equity capital raised

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015



Human Lipocalins – Scaffold for Novel Anticalin® Therapeutics





PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Going Beyond Anticalin Proteins -
Multispecific Drug Candidate FormatsPure Anticalin formatsImage: Colspan="3">Image: Colspan="3">Image: Colspan="3">Image: Colspan="3">Image: Colspan="3" Image: Colspan="3">Image: Colspan="3" Image: Colspan

Binding site geometry can be adjusted to biological need

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Anticalin® Product Pipeline



	Product	Target(s)	Indication	Partner	Discovery	Preclinical	Phase 1	Phase 2
	PRS-080	Hepcidin	Anemia	-pieris-	pegylated Anticalin			
Fully	PRS-060	IL4Ra	Asthma	-pieris-	inhalable Anticalin			
Owned	PRS-343	CD137/HER2	Immuno-	-pieris-	mAb-Anticalin	fusion		
	PRS-300s	n.d.	Oncology	-pieris-	bi-/multispecific	s		
	PRS-110	cMet	Oncology	Zydus				
Co-	PRS-NN	n.d.	n.d.	Zydus	Partner fund		er funded*	
ment	PRS-NN	n.d.	Ophthal-	Stelis			Major rig	hts retained
	PRS-NN	n.d.	mology	Stelis				
	Daiichi Sankyo	n.d.	n.d.	Datichi-Sankyo				
Fully Partnered		n.d.	n.d.	Dalichi-Sarkyo			Partne Milestone	er funded s & Royalties
	Sanofi	n.d.	n.d.	SANOFI				
	* Until end of Phase 1		n.d. = nc	t disclosed				

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015



PRS-300 Series: Multispecifics for Immuno-Oncology

Pieris' Immuno-Oncology Approach – Localized Immune Activation





Challenges

- Systemic mAbs often show narrow therapeutic window
- mAbs are poor agonists for certain activating receptors and depend on Fc receptor clustering



Pieris is pursuing both activating and inhibitory IO targets

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Costimulatory T cell Engagement in Tumor Microenvironment





PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

PRS-300 Series Differentiates from Current IO Approaches



Approach	Tumor- targeted activation	TcR- mediated specificity	Toxicity	Delivery
PRS-300	Yes	Yes	Expected low	Injection
Agonistic mAbs	No	Yes	Low to significant	Injection
BITE	Yes	No	Observed	Slow infusion
CAR-T	Yes	No	Observed	Individualized adoptive therapy

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Bispecific Geometry May Create Different Pharmacodynamic Effects





PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Pieris IO Pipeline Progressing Multiple Shots on Goal







PRS-343: First-in-class HER2-CD137 Bispecific

PRS-343: HER2-CD137 Bispecific Multiple Formats Under Preclinical Evaluation



targeting mAb (Trastuzumab derived)

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PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

CD137-Targeting Anticalin® Has Demonstrated Agonistic Properties



Lead CD137-targeting Anticalin identified (several backups available)

- Affinity: KDhCD137 = 2nM
- "Non-competitive" CD137 engagement preserves ligand-binding capability to CD137L
- Leads to T-cell activation in ex vivo human donor cell assay

 Good biophysical properties: 100% monomeric, high melting temperature (74°C), fully stable at 37°C in PBS or plasma



PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

HER2-CD137 Bispecific Formats Retain Target Binding Capacity





Bispecific formats behave similarly to CD137 and HER2 building blocks
Simultaneous target engagement confirmed for bispecific formats

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015





PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

PoC: T Cell Activation by HER2-CD137 Bispecifics is HER2 Target-Dependent





PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Pharmacokinetics of HER2-CD137 Bispecifics in Mice Comparable to Trastuzumab





- 10mg/kg of bispecifics or Trastuzumab were injected i.v. in male CD-1 mice (3 mice per timepoint)
- Terminal half-lives of bispecifics range from 15-21 days compared to 13 days for Trastuzumab
- > Beneficial half-life of parental antibody is preserved for all bispecifics or even exceeded

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Preclinical Validation of Tumor-Localized Activation of CD137 (4-1BB)



Tumor Targeted Costimulation With Bi-specific aptamers



- Tumor-targeting CD137 bispecific aptamer leads to tumor growth inhibition and survival advantage *in vivo* compared to combination therapy
- Supports Pieris' bispecifics Mode of Action:
 - Tumor-specific activation of CD137 positive T cells

Pastor et al, Molecular Therapy: 2011, 10: 1878-1886

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

PRS-343 – Status & Path Forward



PRS-343: HER2-CD137 Bispecifics

- Exhibit excellent binding and drug-like properties with long half lives in mice
- Induce strong T cell activation via tumor target-dependent costimulatory T cell engagement

Are expected to drive potent local activation of tumor-specific T cells with low systemic toxicity

PRS-343: Path to Clinic

- Cell line development initiated
- Drug candidate nomination planned for YE 2015
 - > Further ex vivo profiling:
 - Impact of clustering / receptor density on T cell / NK cell activation
 - Killing of target positive tumor cells
 - Testing of different target-positive tumor cells, different T cell subtypes, etc.
 - > In vivo evaluation
 - Various animal models including patient derived xenograft (PDX) models
- Initiate IND enabling studies in 2016
- Aim to perform clinical trial in HER2 positive cancer in 2017

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015

Summary of Pieris' Immuno-Oncology Efforts



Multispecifics to address non-responding patients and broaden therapeutic window

- Trafficking immunomodulation to tumor microenvironment
- Ability to test for optimal synapse through varied geometry

Various formats

- mAb-Anticalin fusions (e.g., PRS-343)
- Anticalin-Anticalin fusions (undisclosed)

Multiple targets

- Prioritization of costimulatory targets
- Multiple checkpoint inhibitors also being investigated
- Each immunomodulatory target combinable with different tumor targets

External collaborations complementing internal expertise and resources to advance drug candidates

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015





Pieris Pharmaceuticals, Inc.

255 State Street Boston, MA 02109 USA info@pieris.com

PRS-300 Series in Immuno-Oncology - BIO EUROPE 2015



Bispecific Anticalin Fusion Proteins for Localized Targeting of Immune Cells for Application in Immuno-Oncology

Christine Rothe, Ph.D. PEGS Europe Summit, Nov 4, 2016

Forward Looking Statements



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Company and Technology Overview

Pieris Pharmaceuticals, Inc.

- Anticalins are a novel class of protein therapeutics, proprietary to Pieris, with several degrees of validation
- Human data demonstrating desired drug-like properties
 - 26 solid tumor patients with VEGF-A antagonist
 - 36 healthy volunteers with hepcidin antagonist
- Proven track record for successful collaborations with Pharma



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pieris





Human Lipocalins – Scaffold for Novel Anticalin® Therapeutics



High-affinity (pM)

Anticalin bound to

Human lipocalin "template"



- Human, natural binding proteins
- Low molecular weight (~1/8 of mAb size)
- Extracellular
- Non-immunogenic
- Very stable "cuplike" structure

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- Highly diverse phage display libraries (>10¹¹) of potential drug candidates
- Automated selection and screening technology
- Deep protein engineering know-how to yield ideal drug candidates

Small target Small target Medium target

Going Beyond Anticalin Proteins – Multispecific Drug Candidate Formats



Anticalin® Product Pipeline



	Product	Target(s)	Indication	Partner	Discovery	Preclinical	Phase 1	Phase 2
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Fully	PRS-060	IL4Ra	Asthma	-pieris-	inhalable Anticalin			
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	PRS-110	cMet	Oncology	Zydus techcometric				
Co-	PRS-NN	n.d.	n.d.	Zydus decelicative			Partne	r funded*
ment	PRS-NN	n.d.	Ophthal-	Stelis			Major rig	hts retained
	PRS-NN	n.d.	mology	Stelis				
	Daiichi Sankyo	n.d.	n.d.	Cusic for Survivo				
Fully Partnered		n.d.	n.d.	Curiche Sanige			Partne Milestone	er funded s & Royalties
	Sanofi	n.d.	n.d.	SANOFI				

* Until end of Phase 1

n.d. = not disclosed

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	Product	Target(s)	Indication	Partner	Discovery	Preclinical	Phase 1	Phase 2
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PRS-300 Series: Multispecifics for Immuno-Oncology

Pieris' Immuno-Oncology Approach – Localized Immune Activation





Challenges

- Systemic mAbs often show narrow therapeutic window
- mAbs are poor agonists for certain activating receptors and depend on Fc receptor clustering



 Increased efficacy in patients unresponsive to tumor-targeted therapies

Pieris is pursuing both activating and inhibitory IO targets

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Costimulatory T cell Engagement in Tumor -pieris-







HER2-CD137 Bispecific Anticalin Fusion Proteins

PRS-343: HER2-CD137 Bispecifics Multiple Formats Under Preclinical Evaluation





CD137 Targeting Lead Anticalin® Has Demonstrated Agonistic Properties



Binding to CD137

- Affinity: $KD_{hCD137} = 2nM$
- "Non-competitive" CD137 engagement preserves ligand-binding capability to CD137L

Biophysical properties

- 100% monomeric expression
- $TM = 74^{\circ}C (DSC)$
- Fully stable after 1 week at 37°C in PBS, hu or mu plasma

In vitro functional testing





Bispecific formats show similar binding to CD137 and HER2 as building blocks

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HER2-CD137 Bispecific Formats Bind Both Targets at the Same Time





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No change in SEC profile and full recovery of activity in qELISA

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Plasma and Storage Stability Confirmed -pieris-





HER2-CD137 Bispecifics Mode of Action – Pieris– Relevance of Fc-γ Receptor Interaction



minimize FcyR binding

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Engineered IgG4 Backbone Ensures Reduced FcyRI & FcyRIII Interaction – FcRn Interaction Retained



pieris-

PoC: T Cell Activation by HER2-CD137 Bispecifics is HER2 Target-Dependent

- Her-2 positive SKBR3 cells were grown on 96-well culture dishes, precoated with aCD3 antibody
- T cells from healthy donor PBMCs were added together with HER2 CD137 bispecifics to activate T cells
- Excess of trastuzumab inhibits binding of HER2 CD137 bispecifics and activation of T cells

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PoC: T Cell Activation by HER2-CD137 Bispecifics is HER2 Target-Dependent

Pharmacokinetics of HER2-CD137 Bispecifics in Mice are Comparable to Trastuzumab

- 10mg/kg of bispecifics or trastuzumab were injected i.v. in male CD-1 mice (3 mice per timepoint)
- Terminal half-lives of bispecifics range from 15-21 days compared to 13 days for trastuzumab
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Summary and Path Forward

PRS-343: HER2-CD137 Bispecifics

- Exhibit excellent binding and drug-like properties with long half lives in mice
- Induce strong T cell activation via tumor target-dependent costimulatory T cell engagement
- Expected to allow potent local activation of tumor-specific T cells with low toxicity

PRS-343 Path to Clinic

- Drug candidate nomination planned for YE 2015
- Initiate IND enabling studies in 2016
- Aim to perform clinical trial in HER2-positive cancer in 2017

Pieris' IO pipeline focusing on multiple targets

- Pieris is pursuing both activating and inhibitory IO targets
- Each immunomodulatory target combinable with different tumor targets

Bispecifics approach for tumor localized immune activation

Variable bispecific geometry facilitates optimal engagement for all receptors

Pieris Pharmaceuticals, Inc.

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Thanks to the Pieris Team!

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