



March 23, 2017

## **Peregrine Pharmaceuticals Announces Five Abstracts Accepted for Presentation at AACR 2017 Annual Meeting**

TUSTIN, Calif., March 23, 2017 (GLOBE NEWSWIRE) -- Peregrine Pharmaceuticals, Inc. (NASDAQ:PPHM) (NASDAQ:PPHMP), a biopharmaceutical company committed to improving patient lives by manufacturing high quality products for biotechnology and pharmaceutical companies, and advancing its proprietary R&D pipeline, today announced that four preclinical abstracts and one clinical abstract have been accepted for presentation at the Annual Meeting of the American Association for Cancer Research (AACR), to be held April 1 - 5, 2017 in Washington, D.C.

Peregrine scientists and collaborators will present positive findings from multiple studies of the company's phosphatidylserine (PS)-targeting antibodies in combination with other anti-tumor agents, including results from two Memorial Sloan Kettering Cancer Center studies that evaluate the use of a bavituximab equivalent in combination with immune stimulating therapies. The following abstracts will be presented:

**Abstract Number:** 574

**Session:** PO.IM02.02 - Checkpoints 1

**Presentation Title:** Phosphatidylserine targeting antibody in combination with tumor radiation and immune checkpoint blockade promotes anti-tumor activity in mouse B16 melanoma

**Presentation Day/Time:** Sunday, April 2, 2017, 1:00 - 5:00 PM Eastern

**Location:** Section 25

**Poster Board Number:** 8

**Author Institutions:** Memorial Sloan Kettering Cancer Center, New York, NY; Peregrine Pharmaceuticals, Inc., Tustin, CA

**Abstract Number:** 1651

**Session:** PO.IM02.08 - Tumor Microenvironment and Checkpoints

**Presentation Title:** Targeting phosphatidylserine in combination with adoptive T cell transfer eliminates advanced tumors without off-target toxicities in a melanoma preclinical model

**Presentation Day/Time:** Monday, April 3, 2017, 8:00 - 12:00 PM Eastern

**Location:** Section 27

**Poster Board Number:** 29

**Author Institutions:** Memorial Sloan Kettering Cancer Center, New York, NY; Peregrine Pharmaceuticals, Inc., Tustin, CA

**Abstract Number:** CT159

**Session:** PO.CT02 - Phase III Clinical Trials and Phase II/III Clinical Trials in Progress

**Presentation Title:** IFN- $\gamma$  analysis in blood and tissue as a potential prognostic and/or predictive biomarker

**Presentation Day/Time:** Monday, Apr 3, 2017 1:00 - 5:00 PM Eastern

**Location:** Section 33

**Poster Board Number:** 25

**Author Institution:** Peregrine Pharmaceuticals, Tustin, CA

**Abstract Number:** 3652

**Session:** PO.IM02.05 - BITES Bispecifics and Checkpoints

**Presentation Title:** Combinational activity of LAG3 and PD-1 targeted therapies is significantly enhanced by the addition of phosphatidylserine targeting antibodies and establishes an anti-tumor memory response in murine triple negative breast cancer

**Presentation Day/Time:** Tuesday, April 4, 2017, 8:00 - 12:00 PM Eastern

**Location:** Section 26

**Poster Board Number:** 25

**Author Institution:** Peregrine Pharmaceuticals, Tustin, CA

**Abstract Number:** 3657

**Session:** PO.IM02.05 - BITES Bispecifics and Checkpoints

**Presentation Title:** Phosphatidylserine-targeting antibodies enhance anti-tumor activity of a tumor vaccine in a HPV-induced tumor model

**Presentation Day/Time:** Tuesday, April 4, 2017, 8:00 - 12:00 PM Eastern

**Location:** Section 26

**Poster Board Number:** 30

**Author Institutions:** Immunovaccine, Inc., Halifax, NS, Canada; Peregrine Pharmaceuticals, Inc., Tustin, CA

Bavituximab is an investigational monoclonal antibody that targets PS. Signals from PS inhibit the ability of immune cells to recognize and fight tumors. Bavituximab is believed to override PS mediated immunosuppressive signaling by blocking the engagement of PS with its receptors as well as by sending an alternate immune activating signal. Previous studies demonstrated PS-targeting antibodies shift the functions of immune cells in tumors, resulting in multiple signs of immune activation and anti-tumor responses.

Peregrine's clinical development strategy for bavituximab currently focuses on small, early-stage, proof-of-concept trials evaluating the drug in combination with other cancer treatments. As part of this approach the National Comprehensive Cancer Network (NCCN) has awarded grants to support three different clinical trials of bavituximab treatment combinations. These trials will evaluate novel bavituximab combinations in glioblastoma, head and neck cancer, and hepatocellular carcinoma including an immunotherapy combination. Additionally, Peregrine continues to advance its pre-clinical collaboration with Memorial Sloan Kettering Cancer Center with the goal of evaluating combinations of bavituximab with other checkpoint inhibitors and immune stimulatory agents. The intent behind this strategy is to focus our research and development spending to further validate bavituximab's combination potential as we seek to advance the program through a pharmaceutical or biotechnology partner.

#### **About Peregrine Pharmaceuticals, Inc.**

Peregrine Pharmaceuticals, Inc. is a biopharmaceutical company committed to improving the lives of patients by delivering high quality pharmaceutical products through its contract development and manufacturing organization (CDMO) services and through advancing and licensing its investigational immunotherapy and related products. Peregrine's in-house CDMO services, including cGMP manufacturing and development capabilities, are provided through its wholly-owned subsidiary Avid Bioservices, Inc. ([www.avidbio.com](http://www.avidbio.com)), which provides development and biomanufacturing services for both Peregrine and third-party customers. The company is also working to evaluate its lead immunotherapy candidate, bavituximab, in combination with immune stimulating therapies for the treatment of various cancers, and developing its proprietary exosome technology for the detection and monitoring of cancer. For more information, please visit [www.peregrineinc.com](http://www.peregrineinc.com).

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