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): January 9, 2012

Ohr Pharmaceutical, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other Jurisdiction of Incorporation)

333-88480 (Commission File Number)

#90-0577933 (IRS Employer Identification No.)

489 5th Ave, 28th Floor, New York, NY (Address of Principal Executive Offices)

Registrant's telephone number, including area code: (212)-682-8452

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))

10017

(Zip Code)

ITEM 7.01. Regulation FD Disclosure.

Ohr Pharmaceutical Inc. (the "Company") will be making a presentation to potential investors and executives at the Biotech Showcase conference on January 9, 2012 at 4:30pm PST. The slide address is attached to this Current Report on Form 8-K as exhibit 99.1. The slide address will provide those in attendance with, among other things, an update on our active clinical development programs, the Company's business outlook, select financial and operational metrics, and expected milestones for 2012. The slide address will be available at www.ohrpharmaceutical.com

The information contained herein is being furnished pursuant to Item 7.01 of Form 8-K, "Regulation FD Disclosure." This information shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

99.1 Slide address for presentation on January 9, 2012 at the Biotech Showcase conference

SIGNATURES

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.

OHR PHARMACEUTICAL, INC.

Dated: January 9, 2012

By: /s/ Irach Taraporewala

Dr. Irach Taraporewala, President and CEO



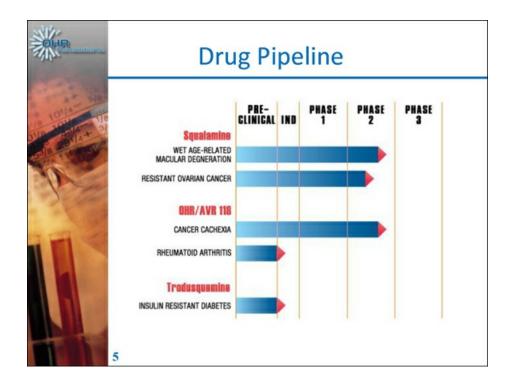


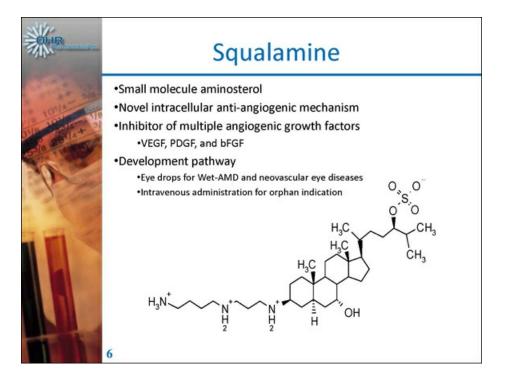
Safe Harbor Statement

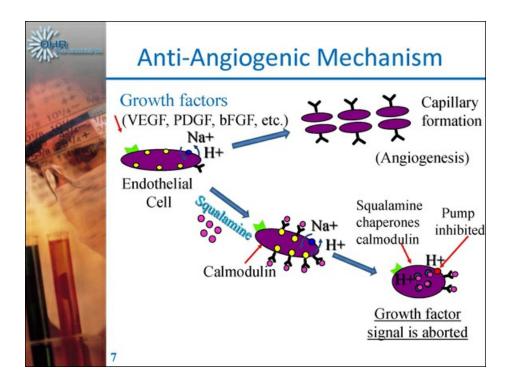
This presentation contains forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These forward looking statements are made only as the date thereof, and Ohr undertakes no obligation to update or revise the forward looking statement whether as a result of new information, future events or otherwise. Our actual results may differ materially and adversely from those expressed in any forward-looking statements as a result of various factors and uncertainties, including the future success of our scientific studies, our ability to successfully develop products, rapid technological change in our markets, changes in demand for our future products, legislative, regulatory and competitive developments, the financial resources available to us, and general economic conditions. For example, there can be no assurance that Ohr will be able to sustain operations for expected periods. Shareholders and prospective investors are cautioned that no assurance of the efficacy of pharmaceutical products can be claimed or assured until final testing; and no assurance or warranty can be made that the FDA will approve final testing or marketing of any pharmaceutical product. Ohr's most recent Annual Report and subsequent Quarterly Reports discuss some of the important risk factors that may affect our business, results of operations and financial condition. We disclaim any intent to revise or update publicly any forward-looking statements for any reason.

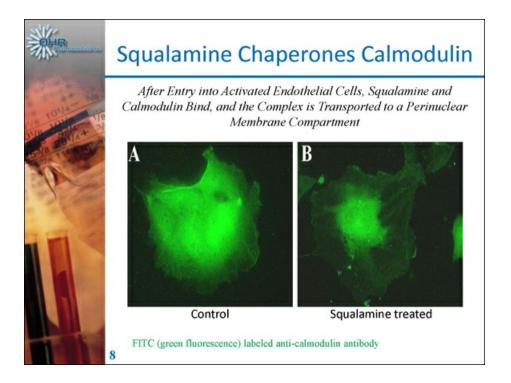


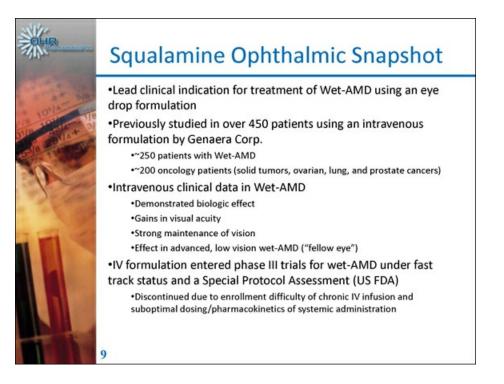


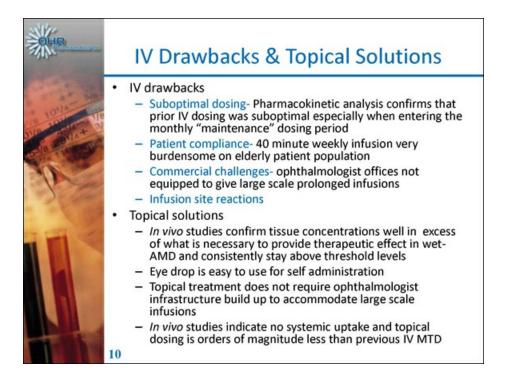


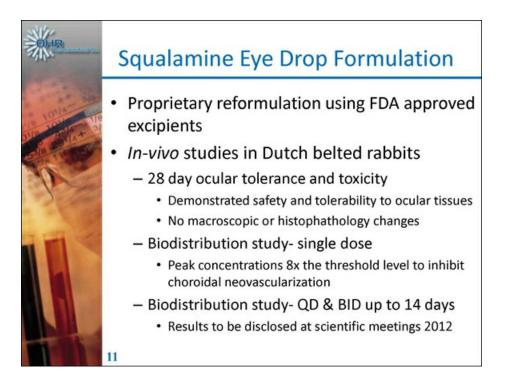


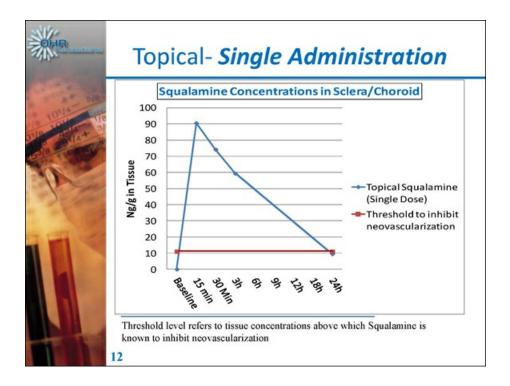


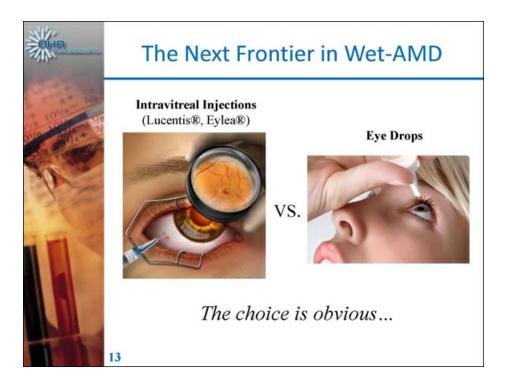


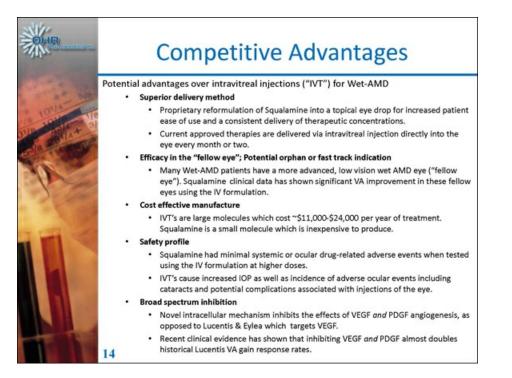












	Topical Path Forward
	 CMC and regulatory preparations underway Clinical site selection ongoing Trial design crafted with input from KOL's in the wet-AMD space Trial will focus on newly diagnosed wet-AMD patients Randomized, placebo controlled study (n=120) Adjunct therapy to anti-VEGF treatment (Lucentis) Initial focus on lengthening interval and limiting number of intravitreal injections Potential parallel path and indication: Fellow eye (low vision, advanced wet-AMD) Potential Orphan Drug or Fast Track indication Discuss sponsored pilot Phase II with the National Eye Institute Shorter path to approval; currently no efficacious options for this population Revenue generation to fund future wet-AMD trials and additional ophthalmic indications
and the second	15

Resistant Ovarian Cancer Indication

Primary mechanism

-Interaction with endothelial cells indicate that it binds with cell membranes and inhibits the membrane Na⁺/H⁺ antiporter, thus creating entry points in the cell membrane for chemotherapeutic agents to enter

-Secondary anti-angiogenic activity, blocking the tumor's ability to obtain additional nutrients

Comparison to standard of care

	Doxil	Hycamtin	Squalamine + Carboplatin
Objective Response Rate	12.3%	6.5%	34%*
Complete Response Rate	0.8%	0.8%	15%*
Median PFS (Weeks)	9.1	13.6	To be presented at
Median Overall Survival (weeks)	35.6	41.3	scientific meeting 2012
N=	130	124	26

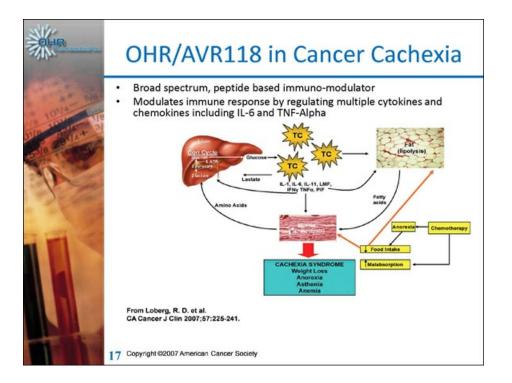
· Awarded Orphan Drug Status for resistant ovarian cancer

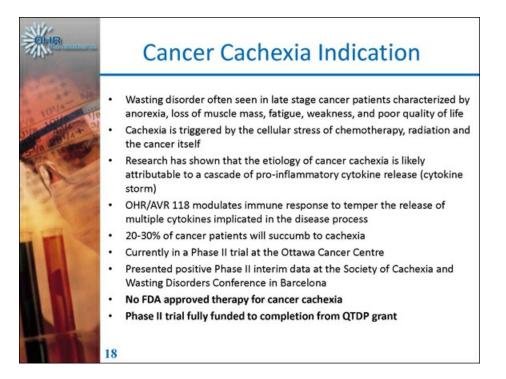
Development Plan

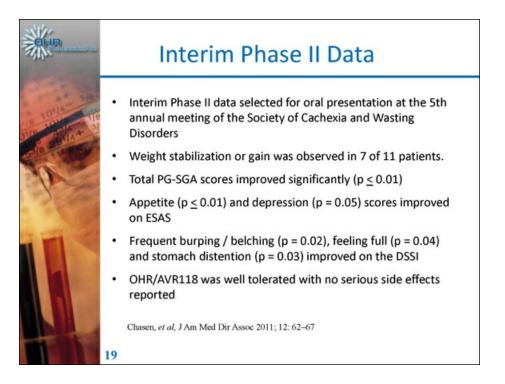
 Planning to conduct a sponsored Phase IIb study at a cancer research center or enter into a strategic partnership to further this indication

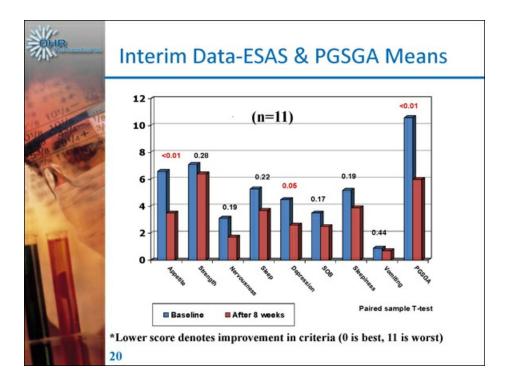
16 *Presented at ASCO











Competitive Advantages- OHR/AVR 118
 Addresses underlying etiology Broad spectrum modulation of pro-inflammatory cytokine response cascade that is the root cause of cancer cachexia, as opposed to therapies that target a single cytokine or just one of the cachexia symptoms Mitigates multiple symptoms By modulating the underlying immune response to the cachexia symptoms Allows concomitant chemotherapy Ohr's trial allows concomitant chemotherapy as opposed to the other investigational drugs which do not. Chemotherapy has been shown to exacerbate the cytokine response in cachectic patients, thereby accelerating the wasting syndrome Safety profile Good safety profile demonstrated in all clinical trials to date First mover advantage OHR/AVR 118 is at the forefront of clinical development for cancer cachexia

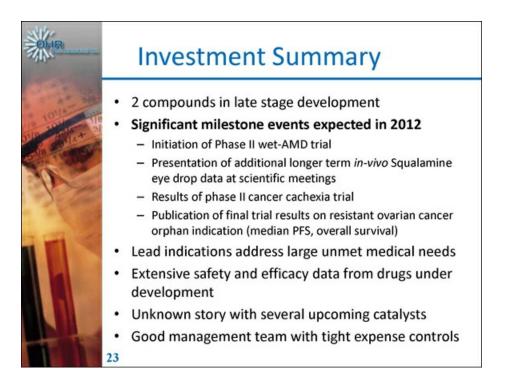


Financial Highlights

Ticker	OTCBB: OHRP	
Recent Share Price (1-5-12)	\$0.70	
Market Capitalization (1-5-12)	~\$29mm	
Average Daily Volume (90 day)	11,124	
Cash on Hand (12-31-11)	~\$1.3mm	
Debt (12-31-11)	\$0	
Shares outstanding (12-31-11)	41,535,922	
Preferred Shares* (12-31-11)	5,583,333	
Fully Diluted** (12-31-11)	76,241,702	

*Convertible 1:1 into common stock at the holders option, no coupon **Preferred + Warrants & options at strike prices ranging from \$0.50 to \$1.19. ~12mm warrant tranche exercisable at \$1.19 expiring 10/31/12

Potential proceeds from warrant exercises are ~\$18.4mm





Thank You!

<u>Company Contact:</u> Sam Backenroth Vice President, Business Development <u>sam@ohrpharmaceutical.com</u> Tel: 212-682-8452