

**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) March 28, 2011

A.P. Pharma, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-33221
(Commission File Number)

94-2875566
(I.R.S. Employer
Identification No.)

123 Saginaw Drive
Redwood City CA
(Address of principal executive offices)

94063
(Zip Code)

Registrant's telephone number, including area code (650) 366-2626

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 (see General Instruction A.2. below):

- 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 2.02 Results of Operations and Financial Condition

On March 28, 2011, A.P. Pharma, Inc. (the "Company") reported its results of operations for the quarter and year ended December 31, 2010. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K (the "Report"). The press release should be read in conjunction with the note regarding forward-looking statements, which is included in the text of the press release.

The information in this Item 2.02 and attached as Exhibit 99.1 to this Report will not be treated as "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section. This information will not be incorporated by reference into any filing under the Securities Act of 1933, as amended, or into another filing under the Exchange Act, unless that filing expressly incorporates this information by reference.

ITEM 9.01 Financial Statements and Exhibits

(d) Exhibits.

<u>Exhibit No.</u>	<u>Document Description</u>
99.1	Press Release of A.P. Pharma, Inc., dated March 28, 2011.

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.

Date: March 28, 2011

A.P. Pharma, Inc.

/s/ John B. Whelan

John B. Whelan

Acting Chief Executive Officer

A.P. Pharma Announces Fourth Quarter and Full Year 2010 Financial Results and Provides Corporate Update

REDWOOD CITY, Calif. – March 28, 2011 – A.P. Pharma, Inc. (NASDAQ: APPA), a specialty pharmaceutical company, today reported financial results for its fourth quarter and full year ended December 31, 2010 and provided a corporate update.

“Since receiving the Complete Response Letter on our APF530 New Drug Application, A.P. Pharma’s management and staff have been working to address the issues raised by the Food and Drug Administration (FDA) and to prepare for meetings with the FDA,” said John Whelan, A.P. Pharma’s acting chief executive officer. “Company representatives met with the FDA in February and have another meeting scheduled for this week. We believe that our discussions with the FDA will provide the necessary clarity for what work and information will be needed to best address the topics outlined in the Complete Response Letter. Following our meetings with the FDA, we expect to be in a position to determine the resources and timeline needed for resubmitting the APF530 New Drug Application.”

Clinical Update

The Company met with the FDA in February 2011. At this meeting, the Company presented information concerning the clinical pharmacology of APF530 and a revised presentation format for certain clinical data from the Company’s Phase 3 study. The FDA indicated that the revised presentation format for the clinical data was acceptable for resubmission and did not request any additional efficacy studies. The FDA has requested that a thorough QT study be included in the New Drug Application (NDA) resubmission and clarified the requirements for a previously requested metabolism study. The FDA agreed both studies could be structured as a single clinical study conducted in healthy volunteers. Once initiated, this study is anticipated to take approximately six months to complete.

A second FDA meeting is scheduled for the end of March 2011 to address the dosing system and the characterization and manufacturing of APF530. During this meeting, the Company will be presenting the results of additional analytical work it has completed since receipt of the Complete Response Letter.

Corporate Developments

The Company is in negotiations for a bridge loan, which may be executed following the upcoming meeting with the FDA. The bridge loan is intended to fund Company operations until additional longer-term financing is secured. Following the FDA meeting at the end of March and the assumed funding of the bridge loan, the Company plans to seek additional financing in the form of equity, debt or collaboration

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agreements to fund operations through the potential approval of APF530. Multiple factors, including the outcome of the second FDA meeting and general market conditions, preclude any assurance that the Company will be able to obtain adequate financing to support its operations, or that such financing will be on terms favorable to A.P. Pharma or its stockholders.

The Company has notified The NASDAQ Stock Market (NASDAQ) that it will not be proceeding with the plan it presented to the NASDAQ Listing Qualifications Panel in January 2011. As a result, the Company anticipates it will receive a notice from NASDAQ that its shares will be delisted from The NASDAQ Capital Market and transferred to the OTCQB, which is operated by OTC Markets, Inc.

Results of Operations

A.P. Pharma's net loss for the fourth quarter of 2010 was \$1.6 million, or \$0.04 per share, compared with a net loss of \$1.9 million, or \$0.05 per share, for the fourth quarter of 2009. Net loss was lower in the current fiscal quarter primarily due to the receipt of a \$0.2 million non-taxable grant under the Qualifying Therapeutics Discovery Project program and \$0.3 million of lower spending resulting from continuing cost containment actions undertaken by the Company. These reductions to the current quarter loss were partially offset by a \$0.2 million increase in loss from discontinued operations.

Net loss for the fiscal year 2010 was \$7.3 million, or \$0.19 per share, compared with a net loss of \$10.0 million, or \$0.31 per share, for 2009. The lower net loss is primarily due to a royalty milestone payment of \$2.5 million received in the first quarter of 2010.

Cash and cash equivalents as of December 31, 2010 were \$2.1 million, compared with \$7.6 million at December 31, 2009. The Company believes it has sufficient cash resources to fund operations into May 2011 as it continues to defer certain discretionary activities.

About APF530

A.P. Pharma's lead product, APF530, prevents both acute-onset and delayed-onset chemotherapy-induced nausea and vomiting (CINV). APF530 contains the 5-HT₃ antagonist, granisetron, formulated in the Company's proprietary Biochronomer™ drug delivery system, which allows therapeutic drug levels to be maintained for five days with a single subcutaneous injection. Granisetron was selected because it is widely prescribed by physicians based on a well-established record of safety and efficacy.

About A.P. Pharma

A.P. Pharma is a specialty pharmaceutical company developing products using its proprietary Biochronomer™ polymer-based drug delivery technology. The Company's primary focus is on its lead product, APF530, for the prevention of CINV. A.P. Pharma received a Complete Response Letter on the APF530 NDA in March 2010 and is in the process of preparing a resubmission responsive to the deficiencies listed in the Complete Response Letter. The Company has additional clinical and preclinical stage programs

in the area of pain management, all of which utilize its bioerodible injectable and implantable delivery systems. Further work on these programs has been deferred while the Company focuses on the approval of APF530. For further information, please visit the Company's web site at www.appharma.com.

(financial tables follow)

A.P. Pharma, Inc.
Condensed Statements of Operations
(in thousands, except per share amounts)
(Unaudited)

	Three Months Ended December 31,		Twelve Months Ended December 31,	
	2010	2009	2010	2009
Contract revenue	\$ 179	\$ 122	\$ 1,301	\$ 1,261
Operating expenses:				
Research and development	1,502	1,419	7,264	7,796
General and administrative	410	803	3,971	3,707
Total operating expenses	<u>1,912</u>	<u>2,222</u>	<u>11,235</u>	<u>11,503</u>
Operating loss	(1,733)	(2,100)	(9,934)	(10,242)
Other income (expenses):				
Gain on sale of royalty interest	-	-	2,500	-
Other income (loss), net	240	(6)	240	(5)
Interest income (expense), net	(1)	3	(2)	29
Total other income (expense)	<u>239</u>	<u>(3)</u>	<u>2,738</u>	<u>24</u>
Loss from continuing operations before income taxes	(1,494)	(2,103)	(7,196)	(10,218)
Income tax benefit	-	122	-	122
Loss from continuing operations	<u>(1,494)</u>	<u>(1,981)</u>	<u>(7,196)</u>	<u>(10,096)</u>
Income (loss) from discontinued operations	(102)	68	(150)	68
Net loss	<u>\$ (1,596)</u>	<u>\$ (1,913)</u>	<u>\$ (7,346)</u>	<u>\$ (10,028)</u>
Basic and diluted net loss per share:				
Loss from continuing operations	<u>\$ (0.04)</u>	<u>\$ (0.06)</u>	<u>\$ (0.18)</u>	<u>\$ (0.31)</u>
Net loss	<u>\$ (0.04)</u>	<u>\$ (0.05)</u>	<u>\$ (0.19)</u>	<u>\$ (0.31)</u>
Shares used to compute basic and diluted net loss per share	<u>39,813</u>	<u>37,325</u>	<u>39,671</u>	<u>32,625</u>

A.P. Pharma, Inc.
Condensed Balance Sheets
(in thousands)
(Unaudited)

	December 31, 2010	December 31, 2009
Assets		
Current assets:		
Cash and cash equivalents	\$ 2,109	\$ 7,593
Accounts receivable	110	171
Prepaid expenses and other current assets	282	549
Total current assets	<u>2,501</u>	<u>8,313</u>
Property and equipment, net	357	510
Other long-term assets	53	128
Total assets	<u>\$ 2,911</u>	<u>\$ 8,951</u>
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 159	\$ 162
Accrued expenses	461	1,080
Deferred revenue	237	92
Accrued disposition costs	703	553
Total current liabilities	<u>1,560</u>	<u>1,887</u>
Deferred revenue	35	268
Total liabilities	<u>1,595</u>	<u>2,155</u>
Stockholders' equity:		
Common stock	401	394
Additional paid-in capital	149,340	147,481
Accumulated deficit	(148,425)	(141,079)
Total stockholders' equity	<u>1,316</u>	<u>6,796</u>
Total liabilities and stockholders' equity	<u>\$ 2,911</u>	<u>\$ 8,951</u>

Forward-looking Statements

This news release contains "forward-looking statements" as defined by the Private Securities Litigation Reform Act of 1995. These forward-looking statements involve risks and uncertainties, including uncertainties associated with capital resources and liquidity, timely development and regulatory approval of product candidates, satisfactory completion of clinical studies, progress in research and development programs, launch and acceptance of new products and other risks and uncertainties identified in the Company's filings with the Securities and Exchange Commission. We caution investors that forward-looking statements reflect our analysis only on their stated date. We do not intend to update them except as required by law.

Contacts

Corporate Contact:

A.P. Pharma, Inc.
John B. Whelan, Acting Chief Executive Officer and Chief Financial Officer
650-366-2626

and

Media Relations:

Corporate Communications Alliance, LLC
Edie DeVine
209-814-9564
