

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): May 10, 2006

A.P. PHARMA, INC.

(Exact name of Registrant as specified in its charter)

DELAWARE

1-16109

94-2875566

(State or other jurisdiction
of incorporation)

(Commission
File Number)

(IRS Employer
Identification No.)

123 SAGINAW DRIVE, REDWOOD CITY, CALIFORNIA 94063

(Address of principal executive offices)

(Zip code)

Registrant's telephone number, including area code:

(650) 366-2626

N/A

(Former Name or Former Address, if Changed Since Last Report)

INFORMATION TO BE INCLUDED IN THE REPORT

ITEM 2.02 Results of Operations and Financial Condition

On May 10, 2006, the Registrant issued a press release announcing its financial results for the first quarter ended March 31, 2006. The press release is attached hereto as Exhibit 99.1.

The information in this Current Report on Form 8-K, including the exhibit, is furnished pursuant to Item 2.02 and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities under that Section. Furthermore, the information in the Current Report on Form 8-K, including the exhibit, shall not be deemed to be incorporated by reference into the filings of the Company under the Securities Act of 1933, as amended.

ITEM 9.01 Financial Statements and Exhibits.

(c) Exhibits

99.1 Press release dated May 10, 2006.

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.

A.P. PHARMA, INC.

Date: May 10, 2006

By: /S/ Michael O'Connell

Michael P. J. O'Connell,
President and Chief
Executive Officer

EXHIBIT INDEX

99.1 Press release dated May 10, 2006.

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A.P. Pharma Logo

News Release

A.P. PHARMA REPORTS 2006 FIRST QUARTER RESULTS

- Phase 3 Clinical Trial for APF530 Initiated -

REDWOOD CITY, Calif. (May 10, 2006) - A.P. Pharma, Inc. (NASDAQ NM: APPA), a specialty pharmaceutical company, today reported financial results for the three months ended March 31, 2006.

Recent and Financial Highlights

- * Royalty interests sold for up to \$30 million; \$25 million cash received at closing.
- * APF530 Phase 3 clinical trial protocol finalized following FDA input
- * IRB approval received and initiation of sites begun.
- * Enrollment expected to be completed by year's end.
- * Study will enroll approximately 1,350 patients who are being treated with either highly or moderately emetogenic chemotherapy.

Financial Results

During the quarter, the Company completed the sale of its interests in royalties on sales of Retin-A Micro(R) and Carac(R) effective October 1, 2005. The company received \$25 million at the closing of the transaction and is entitled to receive an additional \$5 million on the satisfaction of certain predetermined milestones. As a result of the sale, no royalty revenues were recorded for the first quarter of 2006 compared with \$1,282,000 in royalty revenues for the first quarter of the prior year.

Research and development expense was \$3,469,000 for the first quarter of 2006, an increase of 90% compared with \$1,822,000 in the prior year first quarter. Higher research and development expense in the 2006 quarter reflects preparations for the Phase 3 clinical trial for APF530 which has recently been initiated, as announced on April 27, 2006.

General and administrative expense was \$932,000 for the first quarter of 2006, an increase of 10% compared with \$849,000 in the prior year first quarter, due primarily to increased legal and consulting fees.

The Company recorded a gain on the sale of its interests in royalties from sales of Retin-A Micro and Carac of \$23,421,000 in the first quarter of 2006.

Income from continuing operations was \$19,292,000 for the first quarter of 2006, compared with a loss from continuing operations of \$1,250,000 in the prior year quarter. Net income for the first quarter of 2006 was \$19,299,000, or \$0.76 per fully diluted share, compared with a net loss for the first quarter of 2005 of \$1,256,000, or \$0.05 per share.

Cash, cash equivalents and marketable securities totaled \$26,172,000 as of March 31, 2006.

Clinical Update

As reported on April 27, 2006, the Company initiated a Phase 3 clinical trial using APF530, its product candidate for the prevention of chemotherapy-induced nausea and vomiting (CINV) in patients undergoing either moderately or highly emetogenic chemotherapy. APF530 contains the 5HT3 antagonist anti-nausea drug granisetron formulated with the Company's proprietary Biochronomer(TM) drug delivery system.

The APF530 Phase 3 pivotal trial protocol includes a total of approximately 1,350 patients with approximately half receiving moderately emetogenic chemotherapy agents in one group and approximately half receiving highly emetogenic chemotherapeutic agents in another group. In each group there will initially be three arms of approximately 225 patients each; two arms will be treated with APF530, high and low dose form and a third arm will be treated

with the currently approved dose of palonosetron (brand name ALOXI(R)). The study's primary endpoint is to establish the efficacy of APF530 for the prevention of acute onset (first 24 hours) and delayed onset (4-5 days) CINV in patients receiving either moderately or highly emetogenic chemotherapy. No other 5HT3 antagonist is currently approved for the prevention of both acute and delayed CINV for both moderately and highly emetogenic chemotherapy.

Conference Call

As noted during the conference call on March 15, 2006 for year-end results, the Company will not hold a conference call to discuss first quarter 2006 results. The Company expects to hold conference calls in the future to provide updates on the progress of the APF530 Phase 3 clinical trial.

About A.P. Pharma

A.P. Pharma is a specialty pharmaceutical company focused on the development of ethical (prescription) pharmaceuticals utilizing its proprietary polymer-based drug delivery systems. The Company's primary focus is the development and commercialization of its bioerodible injectable and implantable systems under the trade name Biochronomer. Initial target areas of application for the Company's drug delivery technology include anti-nausea, pain management, anti-inflammation and DNA/RNAI applications. For further information visit the Company's web site at www.appharma.com.

Forward-looking Statements

Except for historical information, this news release contains certain forward-looking statements that involve risks and uncertainties including, among others, uncertainty associated with timely development, approval, launch and acceptance of new products, satisfactory completion of clinical studies, establishment of new corporate alliances and progress in research and development programs. Other risks and uncertainties associated with the Company's business and prospects are identified in the Company's filings with the Securities and Exchange Commission. The Company does not undertake to revise these forward-looking statements to reflect events or circumstances occurring in the future.

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(Financial tables follow)

A.P. PHARMA, INC.
Income Statement Highlights
(in thousands, except per share data)
(Unaudited)

	Three Months Ended March 31, 2006	March 31, 2005
	-----	-----
Royalties	\$ 0	\$ 1,282
Contract Revenues	0	78
	-----	-----
Total Revenues	0	1,360
Operating Expenses:		
Research & Development	3,469	1,822
General & Administrative	932	849
	-----	-----
Total Operating Expenses	4,401	2,671
Operating Loss	(4,401)	(1,311)

Interest Income, Net	262	72
Gain on Sale of Interest in Royalties	23,421	0
Other Income (Expense)	10	(11)
	-----	-----
Income (Loss) from Continuing Operations	19,292	(1,250)
Loss from Discontinued Operations	0	(18)
Gain on Disposition of Discontinued Operations	7	12
	-----	-----
Net Income (Loss)	\$19,299	\$(1,256)
	=====	=====
Basic Earnings (Loss) Per Share:		
Income (Loss) from Continuing Operations	\$ 0.77	\$ (0.05)
	=====	=====
Net Income (Loss)	\$ 0.77	\$ (0.05)
	=====	=====
Diluted Earnings (Loss) Per Share:		
Income (Loss) from Continuing Operations	\$ 0.76	\$ (0.05)
	=====	=====
Net Income (Loss)	\$ 0.76	\$ (0.05)
	=====	=====
Shares used in Calculating Earnings (Loss) Per Share:		
Basic	25,207	25,046
	=====	=====
Diluted	25,483	25,046
	=====	=====

A.P. PHARMA, INC.
Balance Sheet Highlights
(in thousands)

	March 31, 2006 ----- (Unaudited)	December 31, 2005(1) -----
Assets		
Cash, Cash Equivalents and Marketable Securities	\$26,172	\$ 5,809
Accounts Receivable, Net	75	1,519
Other Current Assets	365	320
	-----	-----
Total Current Assets	26,612	7,648
Property and Equipment, Net	1,095	1,164
Other Non-Current Assets	139	157
	-----	-----
Total Assets	\$27,846	\$ 8,969
	=====	=====
Liabilities and Stockholders' Equity		
Current Liabilities	\$ 2,218	\$ 2,766
Stockholders' Equity	25,628	6,203
	-----	-----
Total Liabilities and Stockholders' Equity	\$27,846	\$ 8,969
	=====	=====

(1) Derived from our audited financial statements for the year ended December 31, 2005 included in the Company's 2005 Annual Report on Form 10-K filed with the Securities and Exchange Commission.