Raptor Pharmaceutical Corp Form 424B3 April 14, 2011

> Prospectus Supplement No. 2 Filed Pursuant to Rule 424(b)(3) Registration No. 333-162374

Prospectus Supplement No. 2 dated April 13, 2011 (To Prospectus dated December 1, 2010)

3,747,558 SHARES OF COMMON STOCK SERIES A WARRANTS TO PURCHASE UP TO 1,873,779 SHARES OF COMMON STOCK SERIES B WARRANTS TO PURCHASE UP TO 1,873,779 SHARES OF COMMON

This prospectus supplement no. 2 supplements that certain prospectus dated December 1, 2010, as supplemented by that certain prospectus supplement no. 1, dated January 14, 2011 (collectively, the "Prospectus") of Raptor Pharmaceutical Corp., a Delaware corporation (the "Company") relating to the offering for sale of 3,747,558 units, consisting of (i) 3,747,558 shares of the Company's common stock, (ii) warrants to purchase an aggregate of up to 1,873,779 shares of the Company's common stock (and the shares of common stock issuable from time to time upon exercise of such warrants), exercisable, subject to its terms, at \$2.45 per share, during the period beginning on June 20, 2010 and ending on December 22, 2014, and (iii) warrants to purchase an aggregate of up to 1,873,779 shares of the Company's common stock (and the shares of common stock issuable from time to time upon exercise of such warrants), exercisable, subject to its terms, at \$2.45 per share, during the period beginning on June 20, 2010 and ending on June 22, 2011.

This prospectus supplement no. 2 contains the Quarterly Report on Form 10-Q for the quarterly period ended February 28, 2011 filed by the Company with the Securities and Exchange Commission on April 13, 2011 (the "10-Q"). This prospectus supplement no. 2 is not complete without, and may not be delivered or used except in connection with, the Prospectus. This prospectus supplement no. 2 is qualified by reference to the Prospectus except to the extent that the information in this prospectus supplement no. 2 updates and supersedes the information contained in the Prospectus, including any supplements or amendments thereto.

INVESTING IN THE COMPANY'S COMMON STOCK INVOLVES SUBSTANTIAL RISKS. SEE THE SECTION TITLED "RISK FACTORS" BEGINNING ON PAGE 9 OF THE PROSPECTUS AND THE SECTION TITLED "RISK FACTORS THAT MAY AFFECT FUTURE RESULTS" BEGINNING ON PAGE 55 OF THE 10-Q TO READ ABOUT FACTORS YOU SHOULD CONSIDER BEFORE BUYING SHARES OF THE COMPANY'S COMMON STOCK.

NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THESE SECURITIES OR PASSED UPON THE ADEQUACY OR ACCURACY OF THE PROSPECTUS OR THIS PROSPECTUS SUPPLEMENT NO. 2. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

The date of this prospectus supplement is April 13, 2011.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 10-Q

[X]	[X] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934			
	For the quarterly period ended Fe	bruary 28, 2011		
[]	or TRANSITION REPORT PURSUANT TO SECTION 13 (SECURITIES EXCHANGE ACT OF 1934 For the transition period from			
	Commission File Number:	000-25571		
Raptor Pharmaceutical Corp. (Exact name of registrant as specified in its charter)				
Delaware (State or other jurisdiction of incorporation or organization)		86-0883978 (I.R.S. Employer Identification No.)		
	9 Commercial Blvd., Suite 200, Novato, CA 9 (Address of principal executive offices) (Zip 0			
	(415) 382-8111 (Registrant's telephone number, including area	a code)		
((Former name, former address and former fiscal year, if chan	ged since last report)		
the Sec was red	te by check mark whether the registrant: (1) has filed all repourities Exchange Act of 1934, during the preceding 12 mo quired to file such reports), and (2) has been subject to su No []	nths (or for such shorter period that the registrant		

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to

No []

submit and post such files). Yes []

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.:

Large accelerated filer []			Accelerated filer []
Non-accelerated filer	[] (Do not check if a smaller repo	orting company)	Smaller reporting company [X]
Indicate by check man	rk whether the registrant is a shell	company (as defined in Rule 1	2b-2 of the Exchange Act).
There were 32,540,318 2011.	3 shares of the registrant's common	stock, \$.001 par value per share	, outstanding at March 31,

RAPTOR PHARMACEUTICAL CORP.

FORM 10-Q FOR THE QUARTER ENDED FEBRUARY 28, 2011

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PART I – FINANCIAL INFORMATION

Item 1. Financial Statements.

Raptor Pharmaceutical Corp. (A Development Stage Company) Condensed Consolidated Balance Sheets

	February 28, 2011	August 31, 2010
ASSETS	(unaudited)	(1)
Current assets:		
Cash and cash equivalents	\$ 16,480,598	\$ 16,953,524
Restricted cash	113,748	-
Prepaid expenses and other	162,707	285,898
Total current assets	16,757,053	17,239,422
Intangible assets, net	3,435,792	3,512,542
Goodwill	3,275,404	3,275,403
Fixed assets, net	78,808	93,249
Deposits	104,906	102,906
Deferred offering costs	-	166,015
Total assets	\$ 23,651,963	24,389,537
LIABILITIES AND STOCKHOLDERS' EQUITY		
Liabilities		
Current liabilities:		
Accounts payable	\$ 714,646	\$ 637,321
Accrued liabilities	1,113,782	1,129,810
Common stock warrant liability	19,696,623	15,780,216
Deferred rent	22,845	2,673
Capital lease liability – current	4,814	4,865
Total current liabilities	21,552,710	17,554,885
Capital lease liability - long-term	-	1,811
Total liabilities	21,552,710	17,556,696
Commitments and contingencies		
Stockholders' equity: Preferred stock, \$0.001 par value, 15,000,000 shares authorized, zero shares issued		
and outstanding	32,416	30,077
	32,410	30,077

Common stock, \$0.001 par value, 150,000,000 shares authorized, 32,415,318 and 30,076,758 shares issued and outstanding as at February 28, 2011 and August 31, 2010, respectively Additional paid-in capital 55,971,044 47,617,449 Accumulated other comprehensive loss (2,305)(7,854)Deficit accumulated during development stage (53,901,902) (40,806,831) Total stockholders' equity 2,099,253 6,832,841 Total liabilities and stockholders' equity \$ 23,651,963 \$ 24,389,537

(1) Derived from the Company's audited consolidated financial statements as of August 31, 2010.

The accompanying notes are an integral part of these financial statements.

Raptor Pharmaceutical Corp. (A Development Stage Company) Condensed Consolidated Statements of Operations (Unaudited)

	For the three month periods from		
	December 1, 2010 to	December 1, 2009 to	
	February 28, 2011	February 28, 2010	
Revenues:	\$ -	\$ -	
Operating expenses:			
General and administrative	1,126,512	981,272	
Research and development	3,669,246	2,162,004	
Total operating expenses	4,795,758	3,143,276	
Loss from operations	(4,795,758)	(3,143,276)	
Interest income	11,756	7,145	
Interest expense	(356)	(811)	
Foreign currency transaction loss	(159)	-	
Adjustment to fair value of			
common stock warrants			