Delaware (State or Other Jurisdiction

of Incorporation)

SECURITIES

SECURI	TIES AND EXCHANGE COMM	ISSION
	Washington, D.C. 20549	
	FORM 8-K/A (Amendment No. 1)	
	CURRENT REPORT	
	Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934	
I	Date of report (Date of earliest event reported): August 3, 2004	
	NANOGEN, INC.	
	(Exact Name of Registrant as Specified in Charter)	
elaware Other Jurisdiction	000-23541 (Commission	33-0489621 (IRS Employer
corporation)	File Number)	Identification No.)
	nter Court, San Diego, California Principal Executive Offices)	92121 (Zip Code)

Registrant s telephone number, including area code: (858) 410-4600

Item 12. Results of Operations and Financial Condition.

This Amendment No. 1 amends the Current Report on Form 8-K filed on August 3, 2004 by Nanogen, Inc. (the Company) to correct an inadvertent error stemming from a non-routine, non-cash entry to record the purchase price allocation related the acquisition of SynX Pharma Inc. which was included in the preliminary financial statements contained in the Company's earnings release. The Company's press release dated August 3, 2004 which was attached as an exhibit to the Current Report stated that research and development expenses for the three months ended June 30, 2004 were \$3.5 million, but should have stated that research and development expenses for the three months ended June 30, 2004 were \$4.0 million. As a result of this correction, the Company's total costs and expenses, loss from operations, net loss and accumulated deficit have each been increased by \$545,000, and the net loss per share has been increased by \$0.01 and \$0.02 per share for the three and six months ended June 30, 2004, respectively. In addition, the June 30, 2004 balances in goodwill, acquired technology rights and additional paid-in capital were reported as \$13.1 million, \$2.3 million and \$274.0 million, respectively, but should have been reported as \$13.0 million, \$2.0 million and \$274.2 million, respectively. The Company's revised financial statements are set forth below. No other changes are being made to the financial information reported by the Company on August 3, 2004, and the Company reiterates its financial guidance issued on that date.

NANOGEN, INC.

CONSOLIDATED BALANCE SHEETS

(in thousands, except share data)

	June 30, 2004	December 31, 2003	
	(unaudited)		
ASSETS	(
Current assets:			
Cash and cash equivalents	\$ 8,543	\$ 8,550	
Short-term investments	51,777	20,564	
Receivables, net	1,860	1,415	
Inventories, net	2,706	4,774	
Other current assets	1,673	1,590	
Total current assets	66,559	36,893	
Property and equipment, net	7,372	4,277	
Acquired technology rights, net	1,983	2,508	
Restricted cash	753	14	
Other assets, net	796	157	
Goodwill	13,001	137	
Occurring the second se			
	\$ 90.464	\$ 43,849	
	\$ 90,464	\$ 45,849	
LIABILITIES AND STOCKHOLDERS EQUITY			
Current liabilities:			
Accounts payable	\$ 1,889	\$ 290	
Accrued liabilities	3,240	4,519	
Deferred revenue	404	469	
Current portion of capital lease obligations	552	743	
Total current liabilities	6,085	6,021	
Capital lease obligations, less current portion	545	586	
Other long-term liabilities	5,451	4,419	
	<u> </u>		
Total long-term liabilities	5,996	5,005	
Stockholders equity:			
Convertible preferred stock, \$0.001 par value, 5,000,000 shares authorized; no shares issued and			
outstanding at June 30, 2004 (unaudited) and December 31, 2003			
Common stock, \$0.001 par value, 50,000,000 shares authorized; 33,846,250 and 24,867,325 shares			
issued and outstanding at June 30, 2004 (unaudited) and December 31, 2003, respectively	34	25	
Additional paid-in capital	274,184	209,014	
Accumulated other comprehensive income	(226)	1,136	
Deferred compensation	(170)	(175)	
Accumulated deficit	(194,517)	(176,255)	
Treasury stock, at cost, 500,189 shares at June 30, 2004 (unaudited) and December 31, 2003	(922)	(922)	
Treasury stock, at cost, 500,107 shares at June 50, 2007 (unaudited) and December 51, 2005	(922)	(922)	
T-6-1-61414	70.202	22.022	
Total stockholders equity	78,383	32,823	

\$ 90,464	\$ 43,849

NANOGEN, INC.

CONSOLIDATED STATEMENTS OF OPERATIONS

(unaudited)

(in thousands, except per share data)

	Three months ended June 30,		Six months ended June 30,	
	2004	2003	2004	2003
Revenues:				
Product sales	\$ 477	\$ 662	\$ 1,609	\$ 890
License	38		190	
Sponsored research	125	375	500	750
Contracts and grant	478	657	978	1,254
Total revenues	1,118	1,694	3,277	2,894
Costs and expenses:				
Cost of product sales	1.940	524	2,854	798
Research and development	4,040	4,483	8,388	9,193
Selling, general and administrative	4,234	4,130	7,809	8,196
Charge for acquired in-process research and development	3,758	,	3,758	,
Total costs and expenses	13,972	9,137	22,809	18,187
Loss from operations	(12,854)	(7,443)	(19,532)	(15,293)
Interest income, net	129	113	231	308
Other income (loss)	(100)	11	(120)	43
Gain/(loss) on sale of investments	(6)	32	(6)	(3,568)
Gain/(loss) on foreign currency translations	(17)	(11)	1,204	(16)
Loss on sale of fixed assets	(41)	(153)	(41)	(153)
Minority interest in loss of consolidated subsidiary		558		1,106
Net loss	\$ (12,889)	\$ (6,893)	\$ (18,264)	\$ (17,573)
Net loss per share basic and diluted	\$ (0.39)	\$ (0.32)	\$ (0.61)	\$ (0.82)
Number of shares used in computing net loss per share basic and diluted	32,798	21,543	29,870	21,492

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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.

NANOGEN, INC.

Dated: August 13, 2004 By: /s/ Nicholas J. Venuto

Nicholas J.Venuto, Senior Director, Finance