Common Stock

Common Stock

Common Stock

01/04/2013

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FORM 5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Form 3 Holdings Reported.

Form 4 Transactions Reported.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL OMB Number: 3235-0362 Estimated average burden hours per response: 1.0

> By Neta Bahcall

By Safi R. Bahcall

Irrevocable Trust⁽¹⁾

2012 Irrevocable Trust⁽¹⁾

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Addre Bahcall Safi	2. Issuer Name and Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner V Officer (give title Other (specify						
(Last) (First) (Middle) C/O SYNTA PHARMACEUTICALS CORP.		3. Statement fo 12/31/2012	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2012						e Other (specify below) ent and CEO				
		02421 (Zip)	4. If Amendmer	4. If Amendment, Date of Original Filed (Month/Day/Year)						dividual or Joint/Group Filing (Check Applicable) Grown filed by One Reporting Person Form filed by More than One Reporting Person			
		ole I - Non-Deriv	vative Securiti	es Acauire	d. Disposed	of. or	Benefi	cially	v Owned				
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5				5. Amount of Securities Beneficially	6. Ownership Form:	7. Nature of Indirect Beneficial		
					Amount	(A) or (D)	Price		Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)		
Common Stock		01/12/2011		G	5,600	A	\$0		5,600	I	By Neta Bahcall 2006 Irrevocable Trust ⁽¹⁾		
Common Stock		09/26/2012		G	59,400	A	\$0		65,000	I	By Neta Bahcall 2006 Irrevocable Trust ⁽¹⁾		
Common Stock		01/04/2013		G	65,000	D	\$0		0	I	By Neta Bahcall 2006 Irrevocable Trust ⁽¹⁾		

G

65,000

A

\$<mark>0</mark>

65,000

2,383,135

15,000

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)														
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	of Ex		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. The Reporting Person disclaims beneficial ownership of these shares except to the extent of any pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of the beneficial ownership of all of the reported shares for purposes of Section 16 or for any other purpose.

/s/ Brian Keane, Attorney-in-Fact 02/14/2013

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.