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.

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

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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

Form 4	Transactions F	Reported.	Filed	or Section 30								ł					
1. Name a Bahca	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								
(Last) C/O SYN	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2013								Х		Officer (give title below) Presiden		belov	r (specify v)			
45 HAR'	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)								
(Street) LEXINGTON MA 02421			02421	-								X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Sta																
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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. 8)		4. Securities Acqui Disposed Of (D) (Ir					5. Amount of Securities Beneficially		6. Ownership Form:	ership l	7. Nature of Indirect Beneficial
			(Month/Day/fear)					Amou		(A) or (D)	Price	Owned		at end of Fiscal	Direct (D) or Indirect (I) (Instr. 4)	t (D) or 0 ect (I) (Ownership (Instr. 4)
Common Stock			05/08/2013			G		100),000	D	D \$0		1,95	3,135		D	
Common Stock			05/08/2013			G		100),000	A	\$0		100	100,000		I I	By Princeton-A Frust ⁽¹⁾
Common Stock			05/08/2013			G		100),000	D	\$0		1,85	3,135		D	
Common Stock			05/08/2013		G			100),000	A	\$0)	100,000			I I	By Princeton-B Trust ⁽¹⁾
Common Stock												15,000			I H	By Safi R. Bahcall rrevocable Trust ⁽¹⁾	
Common Stock													65,000			I I	By Neta Bahcall 2012 rrevocable Frust ⁽¹⁾
Common Stock													400	9,000		I I	By Princeton BRAT ⁽¹⁾
	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,	4. 5 Transaction o Code (Instr. D 8) A (/ D 0 ((1 a	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Da Expi (Mon	te Exercisable and ration Date th/Day/Year) Expiration Date		Amount of Securities Underlying Derivative Security (Inst 3 and 4) Amou or Numb		r.	Price f erivative ecurity nstr. 5)	9. Numbe derivative Securitie Beneficia Owned Followin Reported Transacti (Instr. 4)	e s Illy g	10. Ownershi Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial Ownership
<u> </u>	1	1	1	1 10	A)	(D)			1	1		- 1				1	1

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.

** 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.