FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20040	

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL 3235-0287 Estimated average burden hours per response: 0.5

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

		Reporting Person* OHN A JR		2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]								elationship o eck all applic Director	able)	g Perso	on(s) to Issu 10% Ow Other (s	ner	
C/O INVIVO THERAPEUTICS HOLDINGS CORP. ONE KENDALL SQUARE, SUITE B14402				3. Date of Earliest Transaction (Month/Day/Year) 04/16/2013								below)		- :	below)		
(Street) CAMBR (City)			02139 (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)								ndividual or Joint/Group Filing (Check Applicable X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		•	ble I - Non-	-Deriva	tive S	ecuritie	s A	cauired. D	Disp	osed (of. or Ben	eficiall	/ Owned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					ction 2A. Deemed Execution Date			3. Transact	3. 4. Secur Transaction Dispose Code (Instr. 5)		rities Acquired (A) or ed Of (D) (Instr. 3, 4 ar		5. Amoun Securities Beneficia Owned Fo	Fo lly (D	Form: (D) or	orm: Direct o) or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount	(A) or (D)	Price	Reported Transacti (Instr. 3 a			"	Instr. 4)
	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)	Conversion Date Ex or Exercise (Month/Day/Year) if a		3A. Deemed Execution Dat if any (Month/Day/Ye	Cod	nsaction le (Instr.	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable Expiration Date (Month/Day/Year)		of Securities		S Derivative	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e S Illy	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				Cod	le V	(A)	(D)	Date Exercisable	Exp Date	oiration e	Title	Amount or Number of Shares					
STOCK OPTION (RIGHT TO BUY)	\$3.24	04/16/2013		A		50,000		(1)	04/1	16/2023	COMMON STOCK	50,000	\$0	50,000	0	D	

Explanation of Responses:

1. Option vests in 12 equal monthly installments on each monthly anniversary of the date of grant until fully vested on the first anniversary of the date of grant.

/S/ ELIZABETH FRASER, AS ATTORNEY IN FACT

04/18/2013

** 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.