FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: 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

1. Name and Address of Reporting Person* REYNOLDS FRANCIS						2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]											p of Reportin blicable) ctor	g Pers	10% C)wner
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP.						3. Date of Earliest Transaction (Month/Day/Year) 06/27/2013									X	Officer (give title below) CEO, CFO				
ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Day/Year) if		2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)			and Secur Benef Owne		cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership
								Code	v	Amount		(A) or (D)	Pric	е	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
COMMON STOCK 06/27/2					7/2013	2013		S ⁽¹⁾		12,000	0	D	\$4.	27 ⁽²⁾ 13		047,020		D		
COMMON STOCK 06/28/2					3/2013	2013			S ⁽¹⁾		12,000	0	D	\$4.	16 ⁽³⁾	13,	13,035,020		D	
COMMON STOCK															23,488			I	By 401(k) plan	
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) (Month/Day/Sear) (Month/Day/Sear) (Month/Day/Sear) (Month/Day/Sear)		Date, Transaction Code (Ins.		Instr	n of Deriv Secu Acqu (A) o Disport (D	r osed) r. 3, 4	Expiratio (Month/D	Date Exercisable and Expiration Date Month/Day/Year) Date Expiration Date Expiration Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Numbe of Shares				9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	O F D OI (I)	D. wnership orm: irect (D) r Indirect) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.
- 2. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$4.11 to \$4.42, inclusive. The reporting person undertakes to provide InVivo Therapeutics Holdings Corp. ("InVivo"), any security holder of InVivo, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes 2 through 4.
- 3. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$4.10 to \$4.33, inclusive.

/s/ Francis Revnolds 06/28/2013

** 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.