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
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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 plicable) ctor	ig Per: X	,		
(Last)	(Fi	rst)	(Middle)					,							X	Offic belov	er (give title w)		Other below)	(specify	
C/O INVIVO THERAPEUTICS HOLDINGS CORP.						3. Date of Earliest Transaction (Month/Day/Year) 05/16/2013											CEO), CF(0		
ONE KENDALL SQUARE, SUITE B14402					4. If A	If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable						
(Street)															Line)	Forn	n filed by One	e Repo	orting Pers	on	
CAMBR	IDGE M	A	02139												Form filed by More than One Reporting Person						
(City)	(St	ate)	(Zip)																		
		Tab	le I - Noi	า-Deriv	ative S	Sec	uritie	s Ac	quired,	Dis	posed o	f, o	r Be	nefic	cially	Owne	ed				
Date			Date	ate lonth/Day/Year) i		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)				4 and Secu Bend Own		icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount		(A) oi (D)	r _{Pri}	ce	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
COMMO	N STOCK			05/16	05/16/2013 s ⁽¹⁾ 4,250 D \$2.86 ⁽²⁾ 13,255,520 D				D												
COMMO	N STOCK			05/17	/2013				S ⁽¹⁾		4,250		D	\$2	2.87(3)	13,	251,270	251,270 D			
COMMO	N STOCK	CK 23,488 I					I	By 401(k) plan													
		Ta	able II - I)								sed of, onvertib					wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	4. Transactior Code (Instr. 8)		n of		6. Date Exercisi Expiration Date (Month/Day/Yea		•	7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)		of s ng e	Deri Sec (Ins	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transactions (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership form: Direct (D) r Indirect	Beneficial Ownership (Instr. 4)	
					Code \	, _ -	(A)	(D)	Date Exercisal		Expiration	Titl	0 0	Amoun or Numbe of Shares							

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 \$2.84 to \$2.87, 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 \$2.85 to \$2.89, inclusive.

/s/ Francis Revnolds 05/17/2013

** 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.