FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
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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				IN	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]										all app		Person	10% C	wner	
CORP.		APEUTICS HO		;		3. Date of Earliest Transaction (Month/Day/Year) 08/19/2013										Office below	′	Other (sp below)), CFO		
ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									. Indivi ine) X	,					
(City)	(St		(Zip)	a Doriv	yativo	- So	ouriti	ος Λο.	nuirod	Dic	nosod o	of O	Pon	oficia	ally (Dwne	.d			
1. Title of Security (Instr. 3) 2. Tran			2. Trans	action 2/ E Day/Year) if		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transa Code (ction					or 5. Amount of Securities Beneficially Owned Following			6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount		(A) or (D)	Price	.	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
COMMON STOCK				08/19/2013		3			S ⁽¹⁾		12,000	0	D	\$4.0)8 ⁽²⁾	12,627,020		D		
COMMON STOCK 08/2					/2013				S ⁽¹⁾		12,000	0	D	\$4.1 ⁽³⁾		12,615,020		D		
COMMON STOCK 08.				08/21	/2013				S ⁽¹⁾		12,000	0	D	\$4.19(4)		12,603,020		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)	3A. Deem Execution if any (Month/Da	Date,	Code (Ins		on of		6. Date E Expiratio (Month/D	n Date	е	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		str. 3		vative urity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	n: ct (D) direct	Beneficial Ownership (Instr. 4)
				Code	v					Expiration Date	Title	or Nur of	nber							

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 \$4.05 to \$4.21, 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 \$4.07 to \$4.14, inclusive.
- 4. 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 \$4.26, inclusive.

/s/ Francis Reynolds 08/21/2013

** 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.