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:	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

1. Name and Address of Reporting Person* REYNOLDS FRANCIS						2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]										Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner					
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP.						3. Date of Earliest Transaction (Month/Day/Year) 12/19/2012									-	X	Offic belov	,		other (s	specify
ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139					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						
(City)		(Sta		Zip)	Davis				: 0-	i	Dia			Dava	- 6 - 6	- 11	0	- d			
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transa Date (Month/D						2A. Deemed Execution Date, if any (Month/Day/Year)		3. Trans Code	3. Transaction Code (Instr.		4. Securities Acquired (ADISPOSED OF (D) (Instr. 3		d (A) o	r	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)	Pric	e	Repor Transa (Instr.	ted action(s) 3 and 4)			(Instr. 4)
COMMON STOCK 12					12/19	19/2012				S ⁽¹⁾		1,650	0	D	\$1.6		14,337,760		D		
COMMON STOCK 12						19/2012				S ⁽¹⁾		600		D	\$1.61		14,337,160		D		
COMMON STOCK 12/2						.9/2012				S ⁽¹⁾		800	800		\$1.62		14,336,360		D		
COMMON STOCK 12/1						9/2012				S ⁽¹⁾		1,200	0	D	\$1.65		14,335,160		D		
COMMON STOCK 12/20)/2012				S ⁽¹⁾	S ⁽¹⁾		0	D	\$1.62		14,332,910		D		
COMMON STOCK 12/20						/2012			S ⁽¹⁾		2,000		D	\$1.64		14,330,910		D			
COMMON STOCK																1	3,603	I		By 401(k) Plan	
			Ta	able II - D								sed of, onvertib					vned				
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security (Instr. 3) 3. Transaction Date Execution Date, if any (Month/Day/Year)				Date,	4. Transa Code (8)		n of De Se Ac (A) Dis of (In	posed	6. Date E Expiration (Month/E	on Date		7. Title and Amount of Securities Underlying Derivative Security (Inst and 4)		ount	Deri Seci	rice of ivative derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)		Owner Form: Direct or Indi (I) (Ins	(D) rect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	(A)	(D)	Exercisa		Date	Title		nares						

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 on December 4, 2012.

/S/ ELIZABETH FRASER, AS 12/21/2012 **ATTORNEY IN FACT**

** 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.