FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	VAL						
OMB Number:	3235-0287						
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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	<u> I</u>	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]							(Chec	k all app Dired	olicable)	g Person(s) to Is X 10% C			
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP. ONE KENDALL SQUARE, SUITE B14402	UTICS HOLDINGS 3. Date of Earliest Tr. 01/24/2013									X		below) CEO, CFO			
Street) CAMBRIDGE MA 02139 (City) (State) (Zip)	4	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Ind Line) X					
Table I - Nor	n-Derivativ	ve Se	curitie	s Acc	uired,	Disp	osed o	f, or	Benef	ficially	Owne	ed			
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			A) or s, 4 and	5. Amount of Securities Beneficially Owned Follow Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	Amount	(A (I	A) or D)	Price	Transa	action(s) 3 and 4)		(,	
COMMON STOCK	01/24/20)13			S ⁽¹⁾		3,250)	D	\$2.48	14,	238,410	D		
COMMON STOCK	01/24/2013				S ⁽¹⁾		1,000)	D	\$2.5	14,	237,410	D		
COMMON STOCK	01/25/2013				S ⁽¹⁾		1,000)	D	\$2.37	14,	236,410	D		
COMMON STOCK	01/25/20)1/25/2013			S ⁽¹⁾		1,250		D	\$2.4	14,	235,160	D		
COMMON STOCK	01/25/20)13			S ⁽¹⁾		1,929		D	\$2.41	1 14,233,231		D		
COMMON STOCK	01/25/20	2013		S ⁽¹⁾		30		D	\$2.43		233,201	D			
COMMON STOCK	01/25/20	013		S ⁽¹⁾		41		D	\$2.44	14,	233,160	D			
COMMON STOCK	01/28/20)13	13		S ⁽¹⁾		4,250		D	\$2.38	8 14,228,910		D		
COMMON STOCK										1	3,603	I	By 401(k) Plan		
Table II - C ((Derivative e.g., puts,										wned				
1. Title of Derivative Security Instr. 3) 2. Conversion or Exercise Price of Derivative Security Security 1. Title of Conversion Date (Month/Day/Year) Date (Month/Day/Year) (Month/Day/Year)	Date, Tran	nsactio le (Instr	5. Number 6		Expiration	Date Exercisab Expiration Date Month/Day/Year)		ble and 7. Title and Amount of		Der Sed (Ins	Price of rivative curity str. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Explanation of Responses:	Cod	le V	(A)		Date Exercisal		Expiration Date	Title	Amou or Numb of Share	er					

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 01/28/2013 **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.