FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPROVAL					
	OMB Number:	3235-0287				
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	hours per response:	0.5				

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>II</u>	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]							(Chec	S. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner Officer (give title Check (page))					
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP.		3. Date of Earliest Transac 02/20/2013				action (Month/Day/Year)					Officer (give title below) CEO, CFO Other (specify below)				
ONE KENDALL SQUARE, SUITE B14402 (Street)	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line)	l '				
CAMBRIDGE MA 02139										X		filed by More	e than One Rep		
(City) (State) (Zip)															
Table I - Non	-Derivativ	/e Se	ecuritie	s Acc	uired,	Dis	posed o	f, or	Bene	ficially	Owne	ed			
	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			A) or , 4 and	Securi Benefi Owned	eficially ned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
					Code	v	Amount		A) or D)	Price	Report Transa (Instr.	ted action(s) 3 and 4)		(Instr. 4)	
COMMON STOCK	02/20/201	13			S ⁽¹⁾		3,000		D	\$1.73	13,	761,310	D		
COMMON STOCK	02/20/201	13			S ⁽¹⁾		1,230		D	\$1.75	13,	760,080	D		
COMMON STOCK 02/20					S ⁽¹⁾	S ⁽¹⁾		20 D		\$1.79	1.79 13,760,060		D		
COMMON STOCK	02/21/201	13			S ⁽¹⁾		1,200		D	\$1.64	13,	758,860	D		
COMMON STOCK	02/21/201	13			S ⁽¹⁾		50		D	\$1.65	13,	758,860	D		
COMMON STOCK	02/21/201	13			S ⁽¹⁾		1,000		D	\$1.68	13,	757,810	D		
COMMON STOCK	02/21/201	13			S ⁽¹⁾		1,000		D	\$1.69	13,	756,810	D		
COMMON STOCK	02/21/201	13			S ⁽¹⁾		1,000		D	\$1.7	13,755,810		D		
COMMON STOCK	02/22/201	13			G	V	171,00	00	D	\$0	13,	584,810	D		
COMMON STOCK	02/22/201	/2013			S ⁽¹⁾		2,200		D	\$1.64	13,	582,610	D		
COMMON STOCK	02/22/201	2013			S ⁽¹⁾		660 D		D	\$1.65	13,581,950		D		
COMMON STOCK	02/22/201	/2013			S ⁽¹⁾		390 D		D	\$1.68	13,581,560		D		
COMMON STOCK 02/22/					S ⁽¹⁾		1,000		D	\$1.69	13,	580,560	D		
COMMON STOCK											1	9,579	I	By 401(k) Plan	
Table II - D (é	erivative e.g., puts,										wned				
1. Title of Derivative Security (Instr. 3) 1. Title of Conversion or Exercise Price of Derivative Security	d 4. Date, Trans	sactio e (Instr	5. Number 6		6. Date E Expiratio (Month/D	xercis n Date	able and 7. Title and Amount of		8. P Der Sec (Ins	rivative de curity Se str. 5) Be Ov Fo Re Tr	9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Date Exercisal		Expiration Date	Title	Amou or Numl of Share	per							

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 02/22/2013 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.	