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
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OMB APPROVAL OMB Number: N BENEFICIAL OWNERSHIP

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	INV	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]									k all app Dired	olicable) ctor	g Person(s) to Is X 10% C)wner
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP.		3. Date of Earliest Transaction (Month/Day/Year) 12/11/2012								X	Offic belo			er (specify ow)
ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139 (City) (State) (Zip)	4. If A	Amendr	ment, [Date of	Original	Filed	(Month/Da	y/Yea	ar)	6. Ind Line)	Forn	n filed by One n filed by Mor	Filing (Check A Reporting Pers Te than One Rep	on
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
	2. Transaction Date (Month/Day/Yeal	Exe r) if ar			3. Transa Code (8)		4. Securit Disposed 5)	Of (C	O) (Instr.		Secur Benef Owne Repor	icially d Following ted	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
		\perp			Code	V	Amount	\dashv	(A) or (D)	Price	(Instr.	action(s) 3 and 4)		
COMMON STOCK	12/11/2012	+			S ⁽¹⁾		3,420		D	\$1.67	1	361,490	D	
COMMON STOCK	12/11/2012	+			S ⁽¹⁾		30	4	D	\$1.7	+	361,460	D	
COMMON STOCK	12/11/2012				S ⁽¹⁾		800		D	\$1.73	1	360,660	D	
COMMON STOCK	12/12/2012	+			S ⁽¹⁾		1,550		D	\$1.61	+	359,110	D	
COMMON STOCK	12/12/2012	+			S ⁽¹⁾		700	_	D	\$1.62	1	358,410	D	
COMMON STOCK	12/12/2012	+			S ⁽¹⁾		350		D	\$1.65	+ -	358,060	D	
COMMON STOCK	12/12/2012	+			S ⁽¹⁾		1,650	-	D	\$1.7	1	356,410	D	
COMMON STOCK	12/13/2012	+			S ⁽¹⁾		4,250		D	\$1.6	14,	352,160	D	
COMMON STOCK											1	13,603	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) (Month/Day/Year) 3. Transaction Date (Month/Day/Year) Execution E (Month/Day/Year) (Month/Day/Year)	Date, Transac Code (Ir	action of E		6. Date Exercisable a Expiration Date (Month/Day/Year)		Amo Seco Und Deri Seco		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)			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)	
Explanation of Responses:	Code	v	(A)		Date Exercisab		xpiration ate	Title	or Nun of	nber res				

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 12/13/2012 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.