FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	)VAL
	OMB Number:	3235-0287
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l	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(h)

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 <b>and</b> 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. ONE BROADWAY, 14TH FLOOR							3. Date of Earliest Transaction (Month/Day/Year) 12/28/2011									Officer (give title below)  CEO, CFO				
,						4. If Amendment, Date of Original Filed (Month/Day/Year) 12/30/2011								6. Indi Line) X	Forn Forn	ridual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)  2. Transact Date (Month/Day						Execution		Date,	3. Transa Code (1 8)			es Acquired (A) or Of (D) (Instr. 3, 4 au (A) or (D) Price		and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
COMMON STOCK, \$0.00001 PAR VALUE 12/29/20						)11 <sup>(1)</sup>		S		95,000	D	\$2	.516 <sup>(2)</sup>	14,909,160			D			
	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. Conversior or Exercise Price of Derivative Security	se (Month/Day/Year)	Execution Date, if any		4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercis Expiration Date (Month/Day/Yea		te	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)		Der Sec (Ins	rice of ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ov Fo Dii or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amour or Number of Shares	er						

## Explanation of Responses:

- 1. This amendment is filed to correct the Transaction Date in column 2, line 2, of the original Form 4 filed on December 30, 2011.
- 2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.45 to \$2.60, inclusive.

/S/ ELIZABETH FRASER, AS ATTORNEY IN FACT

\*\* Signature of Reporting Person D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.