FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL OMB Number: 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

Name and Address of Reporting Person*     REYNOLDS FRANCIS					INV	2. Issuer Name <b>and</b> Ticker or Trading Symbol  INVIVO THERAPEUTICS HOLDINGS										5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
,					<u>CO</u>	RP	<u>.</u> [ NV	IV ]							X	Office		X		wner (specify		
(Last)	(F	irst)	(Middle)												X	belov	er (give title v)		below)			
C/O INVIVO THERAPEUTICS HOLDINGS CORP.				3. Date of Earliest Transaction (Month/Day/Year) 03/21/2013												CEO	, CFC	)				
ONE KENDALL SQUARE, SUITE B14402					4 If /	4. If Amendment, Date of Original Filed (Month/Day/Year)										idual o	r Joint/Group	Eiling	(Chock A	pplicable		
(Ctroot)					4. 11 /	AIIIC	nument,	Date 0	i Original	riieu	(IVIOIIIII)	ty/ Te	ai)		ine)	nuuai 0	i John Group	rilliy	(CHECK A	pplicable		
(Street) CAMBRIDGE MA 02139															X Form filed by One Reporting Person  Form filed by More than One Reporting							
(City)	(S	tate)	(Zip)													Pers	on					
		Tab	le I - Nor	า-Deriva	ative	Sed	curitie	s Acc	quired,	Dis	posed o	f, o	r Ber	efici	ally	Owne	ed					
Date				Date	ate		2A. Deemed Execution Date, if any (Month/Day/Year)		Code (	Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				Securi Benefi Owner	cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
COMMON STOCK				03/21/2013					S <sup>(1)</sup>		4,250		D	\$2.4	14 <sup>(2)</sup>	13,	499,810		D			
COMMO	N STOCK			03/22/	2013				S <sup>(1)</sup>		4,250		D	\$2.4	18 <sup>(3)</sup>	13,	495,560	5,560 D				
COMMON STOCK																19,579			I	By 401(k) plan		
		Ta	able II - I								sed of, onvertib					vned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execution	Date,	I. Fransaction Code (Instr. I)			ative rities ired osed	6. Date E Expiratio (Month/D	n Date	•	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		J	Deri Secu	rice of ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Or Fo Di or (I)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or Nu of	nount mber ares	er							

## **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.
- 2. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.42 to \$2.47, inclusive. The reporting person undertakes to provide InVivo Therapeutics Holdings Corp. ("InVivo"), any security holder of InVivo, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes 2 through 3.
- 3. 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 \$2.49, inclusive.

/s/ Francis Revnolds 03/22/2013

\*\* 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.