FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

TATEMENT OF CHANCES IN DENETICIAL OW

OMB APPROVAL									
OMB Number:	3235-0287								
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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				IN	2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]										all app		g Perso	10% C	wner		
CORP.	IVO THEF	RAPEUTICS HO				3. Date of Earliest Transaction (Month/Day/Year) 04/01/2013										Office	icer (give title Other (specify below) CEO, CFO				
ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139					4. If Amendment, Date of Original Filed (Month/Day/Year)										Indivi ne) X	dual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S		Zip)											<u>.</u>							
Table I - Non-Deriv. 1. Title of Security (Instr. 3) 2. Transa Date (Month/D				2A. Deemed Execution Date,			3. Transa Code (ction	4. Securities Acquired (A) Disposed Of (D) (Instr. 3,) or 5. Amount of Securities Beneficially Owned Follo			Form:	nership Direct Indirect tr. 4)	7. Nature of Indirect Beneficial Ownership			
						Code	v	Amount	(A) or D)	Price		Transa	Reported Fransaction(s) Instr. 3 and 4)			(Instr. 4)				
COMMON STOCK				04/01/	04/01/2013				S ⁽¹⁾		4,250		D	\$2.27(2)		13,474,310		D			
COMMON STOCK 04/0					/2013				S ⁽¹⁾		4,250		D	\$2.27		13,470,060		D			
COMMON STOCK 04/0				04/03/	/2013				S ⁽¹⁾		4,250) D		\$2.2	8(4)	13,465,810		D			
COMMON STOCK														19,579			I	By 401(k) plan			
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																				
Security or Exercise (Month/Day/Year) if any				Date,	4. Transaction Code (Instr. 3)		of I		6. Date E Expiratio (Month/D	n Date	•	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)				vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ow For Oir or (I)	vnership rm: ect (D) Indirect (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code					Expiration Date	Title	of	nber res									

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 \$2.25 to \$2.37, 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 4.
- 3. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.24 to \$2.30, inclusive.
- 4. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.22 to \$2.34, inclusive.

/s/ Francis Reynolds 04/03/2013

** 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.