#### **REYNOLDS FRANCIS**

Form 4

December 31, 2012

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average

**OMB APPROVAL** 

burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* **REYNOLDS FRANCIS** 

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

**INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]** 

(Check all applicable)

CEO, CFO

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

12/27/2012

\_X\_\_ Director X\_ Officer (give title below)

\_X\_\_ 10% Owner \_\_ Other (specify

C/O INVIVO THERAPEUTICS **HOLDINGS CORP., ONE** KENDALL SQUARE, SUITE

(Street)

(State)

B14402

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

CAMBRIDGE, MA 02139

(City)	(State) (Zi	p) Table 1	I - Non-De	rivative S	ecurit	ies Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed 3. 4. Securities Acquired Execution Date, if Transaction(A) or Disposed of (D) any Code (Instr. 3, 4 and 5)  (Month/Day/Year) (Instr. 8)		d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
COMMON STOCK	12/27/2012		Code $V$ $S_{\underline{(1)}}$	Amount 4,250	or (D) D	Price \$ 1.8	(Instr. 3 and 4) 14,313,910	D	
COMMON STOCK	12/28/2012		S(1)	2,000	D	\$ 1.815	14,311,910	D	
COMMON STOCK	12/28/2012		S <u>(1)</u>	2,250	D	\$ 1.85	14,309,660	D	
COMMON STOCK	12/31/2012		S <u>(1)</u>	2,250	D	\$ 1.8	14,307,410	D	

of

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STOCK	12/31/2012	S(1)	2,000	D	\$ 1.84	14,305,410	D	
COMMON STOCK						13,603	I	By 401(k) Plan

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

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 control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

# 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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code (Instr. 8	5. tionNumber of ) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	<b>:</b>	ate	7. Title Amour Underl Securit (Instr.	nt of ying	8. Price of Derivative Security (Instr. 5)
				Code V	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
<b>FS</b>	Director	10% Owner	Officer	Other		
REYNOLDS FRANCIS C/O INVIVO THERAPEUTICS HOLDINGS CORP. ONE KENDALL SQUARE, SUITE B14402 CAMBRIDGE, MA 02139	X	X	CEO, CFO			

## **Signatures**

**COMMON** 

/S/ ELIZABETH FRASER, AS ATTORNEY IN FACT 12/31/2012

\*\*Signature of Reporting Person Date

## **Explanation of Responses:**

- \* 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).
- (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.

Reporting Owners 2

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