FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-028							

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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* MCCARTHY JOHN A JR					2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]										all applic	cable) or (give title	g Pers	on(s) to Issi 10% Ow Other (s below)	ner
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP. ONE KENDALL SQUARE, SUITE B14402					3. Date of Earliest Transaction (Month/Day/Year) 12/10/2015									Indiv	,		Filing		plicable
(Street) CAMBR (City)			02139 (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)								ne) X	Form fi	I or Joint/Group Filing (Check Applicable orm filed by One Reporting Person orm filed by More than One Reporting erson				
			le I - Non-			_			 										
Date				2. Transact Date (Month/Day	Execution Da			Date,	Code (Instr					4 and Securiti Benefic		es Fori ally (D) Following (I) (I		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership
							Code V		Amount	(A) or (D)	Price	•	Transact (Instr. 3 a	ction(s)			(Instr. 4)		
	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 Da if any (Month/Day/Y	Cod	Transactio Code (Inst				6. Date Exercisable Expiration Date (Month/Day/Year)		of Securities		ies g Security	Do	3. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e (10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Cod	le V	(4	(A)	(D)	Date Exercisable	Ex Da	piration ate	Title	Amoun or Numbe of Shares	r					
Stock Option (Right to Buy)	\$7.37	12/10/2015		A		1	12,500		(1)	12	/10/2025	Common Stock	12,50	0	\$0	12,500)	D	

Explanation of Responses:

1. Option vests in 12 equal monthly installments on each monthly anniversary of the date of grant until fully vested on the first anniversary of the date of grant.

/s/ Elizabeth W. Fraser, Attorney-in-Fact

12/11/2015

** Signature of Reporting Person

Date

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

- * 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.