## SEC Form 5

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Check this box if no longer subject Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	to
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Form 3 Holdings Reported.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number:	3235-0362
Estimated average burd	len
hours per response:	1.0

Form 4 Transactions Reported.	File	d pursuant to Secti or Section 30(h		e Securities Exchange Ement Company A							
1. Name and Address of Reporting Person* <u>PERRIN MARK D</u>	2. Issuer Name and Ticker or Trading Symbol <u>INVIVO THERAPEUTICS HOLDINGS</u> <u>CORP.</u> [NVIV]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (N	/iddle)						X Officer (give title below)	e Oth bel	ier (specify ow)		
C/O INVIVO THERAPEUTICS HOI CORP.	LDINGS	3. Statement for 12/31/2015	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2015					CHIEF EXECUTIVE OFFICER			
ONE KENDALL SQUARE, SUITE	4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Individual or Joint/Group Filing (Check Applicable					
	2139 Zip)				Lin	e) X 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											
Date [ (Month/Day/Year) i		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr.	4. Securities Acquired (A) or Dispos Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial Ownership		
		(monthinday) real)	8)	Amount	(A) or (D)	Price	Issuer's Fiscal Year (Instr. 3 and 4)	Indirect (I) (Instr. 4)	(Instr. 4)		
Common Stock		<b>A</b> <sup>(1)</sup>	1,053	A	\$6.12	58,195	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. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	of Derive Secur Acqui (A) or Dispo of (D) (Instr.	of Expiration Date Derivative (Month/Day/Year) Securities Acquired (A) or Disposed		7. Title Amoun Securit Underly Derivat Securit and 4)	t of ies /ing	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. These shares were acquired under the Issuer's Employee Stock Purchase Plan. This transaction is exempt under both Rule 16b-3(d) and Rule 16b-3(c).

<u>/s/ Elizabeth W. Fraser,</u> <u>Attorney-in-Fact</u>

\*\* Signature of Reporting Person

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.

<u>01/22/2016</u>

erson Date