

INVIVO THERAPEUTICS HOLDINGS CORP.
 Form 4
 December 11, 2014

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
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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(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 JOSEPH TAMARA L

(Last) (First) (Middle)

C/O INVIVO THERAPEUTICS HOLDINGS CORP., ONE KENDALL SQUARE, SUITE B14402

(Street)

CAMBRIDGE, MA 02139

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]

3. Date of Earliest Transaction (Month/Day/Year)
 12/10/2014

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 SVP, General Counsel

6. Individual or Joint/Group Filing(Check Applicable Line)
 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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V Amount (D) Price			
Common Stock	12/10/2014		A	15,428 A 11	15,428	D	

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

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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)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Stock Option (Right To Buy)	\$ 1.05	12/10/2014		A	137,500	(2) 12/10/2024	Common Stock 137,500

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

JOSEPH TAMARA L
C/O INVIVO THERAPEUTICS HOLDINGS CORP.
ONE KENDALL SQUARE, SUITE B14402
CAMBRIDGE, MA 02139

SVP, General Counsel

Signatures

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

12/11/2014

**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) Represents shares of common stock received as a component of an incentive bonus payment.

(2) The option is exercisable as to 25% of the shares on the first anniversary of the date of grant, and the remaining shares vest thereafter on a monthly basis in 36 equal monthly installments.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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