FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| STATEMENT | OF CHANGES | S IN BENEFICIAL | . OWNERSHIP |
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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).

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* CHRISTOPHER RICHARD | | | | | 2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV] | | | | | | | | | Check | all app | | | Person(s) to Issuer 10% Owner Other (specify | | | |
|--|--|--|---|---|---|-----------------|---|----------|---|----------------------------------|------|------------------|---|-------------|---|----------------------|---|---|---|---------------------------------------|--|
| (Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDINGS CORP. | | | | 3. Date of Earliest Transaction (Month/Day/Year) 09/25/2019 | | | | | | | | | X Officer (give title Other (speci below) below) CFO and Treasurer | | | | | | | | |
| ONE KENDALL SQUARE, SUITE B14402 (Street) CAMBRIDGE MA 02139 (City) (State) (Zip) | | | | | 4. If | Ame | ndment | , Date o | of Orig | ginal Fil | ed (| (Month/Da | ıy/Yea | r) | | . Indiv ine) X | Form | r Joint/Group n filed by One n filed by Mor on | e Repor | ting Pers | on |
| | | Tab | le I - Nor | n-Deriva | ative | Se | curitie | s Ac | quir | ed, Di | sp | osed o | f, or | Bene | eficia | ally | Owne | ed | | | |
| 1. Title of Security (Instr. 3) 2. Transa Date (Month/D | | | | ay/Year) Execu | | Execution f any | Deemed ecution Date, ny onth/Day/Year) | | 3. Transaction Code (Instr. 8) | | | | (A) or 3, 4 a | nd | 5. Amount of Securities Beneficially Owned Following Reported | | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | | | | | | ode V | | Amount | | A) or D) | Price | • | Transaction(s) (Instr. 3 and 4) | | | | (Instr. 4) |
| Common Stock ⁽¹⁾ 09/25/ | | | | | /2019 | | | A | | 47,500 | | A | \$ | \$0 4 | | 47,500 | | 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. Deeme Execution if any (Month/Da | Date, | Code (Instr. | | | | Expi | ate Exer ration D nth/Day/ | ate | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) | | str. 3 | Deri Secu | ivative urity tr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ownersl Form: Direct (D or Indire (I) (Instr. | nership rm: ect (D) Indirect | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | (| Code | v | (A) | (D) | Date Exer | : cisable | | xpiration ate | Title | or | ount nber res | | | | | | |

Explanation of Responses:

1. The shares vest 100% on September 25, 2022.

/s/ Richard Christopher

09/27/2019

** 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.