

Unninayar Kamalam  
Form 4  
November 27, 2018

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
Unninayar Kamalam

2. Issuer Name and Ticker or Trading Symbol  
HARVARD BIOSCIENCE INC  
[HBIO]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)  
  
\_\_\_\_ Director      \_\_\_\_ 10% Owner  
 Officer (give title below)      \_\_\_\_ Other (specify below)  
Chief Financial Officer

(Last)      (First)      (Middle)  
  
C/O HARVARD BIOSCIENCE,  
INC., 84 OCTOBER HILL ROAD  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/26/2018

HOLLISTON, MA 01746

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

(City)      (State)      (Zip)

**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                    | 11/26/2018                           |  | A                              |   | 18,469 (1)  | A  | \$ 0 18,469 (2) D                 |

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

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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| 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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock option (right to buy)                | \$ 3.79  | 11/26/2018                           |  | A                              | 44,585  | <sup>(3)</sup> 11/26/2028                                | Common Stock, par value \$0.01 per share                      | 44,585                        |

**Reporting Owners**

| Reporting Owner Name / Address   | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| Unninayar Kamalam<br>C/O HARVARD BIOSCIENCE, INC.<br>84 OCTOBER HILL ROAD<br>HOLLISTON, MA 01746 |               |           | Chief Financial Officer |       |

**Signatures**

/s/ Chad Porter, by power of attorney 11/27/2018  
\*\*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 a deferred stock award of restricted stock units which shall vest in four equal annual installments on January 1, 2019, 2020, 2021 and 2022.
- (2) Includes a deferred stock award of 18,469 restricted stock units which vest in four equal annual installments on January 1, 2019, 2020, 2021 and 2022.
- (3) This stock option vests in four equal annual installments on November 1, 2019, 2020, 2021 and 2022.

**Remarks:**

This form has been signed under power of attorney.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.