

BIO IMAGING TECHNOLOGIES INC  
 Form 4  
 August 13, 2007

**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 \*  
 STACK DAVID M

(Last) (First) (Middle)

C/O BIO-IMAGING TECHNOLOGIES, INC., 826 NEWTOWN-YARDLEY ROAD

(Street)

NEWTOWN, PA 18940

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 BIO IMAGING TECHNOLOGIES INC [BITI]

3. Date of Earliest Transaction (Month/Day/Year)  
 08/10/2007

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)

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 (A) or (D) Price                                                                       |                                                          |                                   |
| Common Stock                    | 08/10/2007                           |                                                    | S                              |                                                                   | 3,000<br>(1)                                                                                  | D                                                        |                                   |
|                                 |                                      |                                                    |                                |                                                                   | \$ 6.69<br>(2)                                                                                |                                                          |                                   |
|                                 |                                      |                                                    |                                |                                                                   | 31,500                                                                                        | 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)

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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) | 8. Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Option to purchase common stock            | \$ 0.63                                                | 08/10/2007                           |                                                    | M                              | 1,405                                                                                   | 01/18/2000 01/18/2010                                    | Common Stock                                                  | 1,405                         |
| Options to purchase common stock           | \$ 0.66                                                | 08/10/2007                           |                                                    | M                              | 95                                                                                      | 07/01/2000 07/01/2010                                    | Common Stock                                                  | 95                            |

## Reporting Owners

| Reporting Owner Name / Address                                                                       | Relationships |           |         |       |
|------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                                                      | Director      | 10% Owner | Officer | Other |
| STACK DAVID M<br>C/O BIO-IMAGING TECHNOLOGIES, INC.<br>826 NEWTOWN-YARDLEY ROAD<br>NEWTOWN, PA 18940 | X             |           |         |       |

## Signatures

/s/ David M. Stack 08/13/2007

\*\*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) Such options were exercised and sales were made pursuant to a Rule 10b5-1 trading plan entered into by Mr. Stack on November 17, 2006.
- (2) Such amount represents the average closing price of the common stock sold. The breakdown is as follows: 1,000 shares at \$6.72; 1,000 shares at \$6.70 and 1,000 shares at \$6.65.

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(3) Includes multiple option grants with different exercise prices and vesting dates.

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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