| FORM | 4 |
|------|---|
|------|---|

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

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

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response... 0.5

#### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Print or Type Response                   | s)  |  |  |             |     |  |          |   |                                      |             |             |
|---|---|--|--|-------------|-----|--|----------|---|--------------------------------------|-------------|-------------|
| 1. Name and Address of<br>CARUSO JAMES V  | 2. Issuer Name <b>an</b><br>Cellectar Bioscie |  |  | •••         | ol  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>X Director 10% Owner |          |   |                                      |             |             |
| (Last)<br>C/O CELLECTAR I<br>CAMPUS DRIVE | DIG 100                                       | 3. Date of Earliest Transaction (Month/Day/Year)<br>01/17/2019 |  |             |     |  |          | X_Officer (give title below)Other (specify |                                      |             |             |
| FLORHAM, NJ 079                           |   | 4. If Amendment, Date Original Filed(Month/Day/Year)           |  |             |     |  |          | 6. Individual or Joint/Group Filing(Check Applicable Line)<br>_X_Form filed by One Reporting Person<br>Form filed by More than One Reporting Person   |                                      |             |             |
| (City)                                    | (State)                                       | (Zip)  | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Own |             |     |  |          |   |                                      | vned        |             |
| 1.Title of Security                       |   | 2. Transaction   | 2A. Deemed   | 3. Transact | ion | 4. Securi  | ties Acq | uired   | 5. Amount of Securities Beneficially | 6.          | 7. Nature   |
| (Instr. 3)                                |   | Date   | Execution Date, if   | Code        |     | (A) or Disposed of (D)   |          | of (D)  | Owned Following Reported             | Ownership   | of Indirect |
| (Month/Day/Year                           |   |  | any  | (Instr. 8)  |     | (Instr. 3, 4 and 5)  |          |   | Transaction(s)                       | Form:       | Beneficial  |
|   |   |  | (Month/Day/Year)   |             |     |  |          |   | (Instr. 3 and 4)                     | Direct (D)  | Ownership   |
|   |   |  |  |             |     |  |          |   |                                      | or Indirect | (Instr. 4)  |
|   |   |  |  |             |     |  | (A) or   |   |                                      | (I)         |             |
|   |   |  |  | Code        | V   | Amount   | (D)      | Price   |                                      | (Instr. 4)  |             |

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

Persons who respond to the collection of information SEC 1474 (9-02) contained in this form are not required to respond unless the form displays a currently valid OMB control number.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

|                              | (e.g., puts, calls, warrants, options, convertible securities) |                  |                    |            |      |                      |         |                         |              |                       |              |                              |              |            |             |
|------------------------------|--|------------------|--------------------|------------|------|----------------------|---------|-------------------------|--------------|-----------------------|--------------|------------------------------|--------------|------------|-------------|
| 1. Title of                  | 2.   | 3. Transaction   | 3A. Deemed         | 4.         |      | 5. Numb              | ber     | 6. Date Exercisable and |              | 7. Title and          |              | 8. Price of                  | 9. Number of | 10.        | 11. Nature  |
| Derivative                   | Conversion   | Date             | Execution Date, if | Transact   | tion | of                   |         | Expiration Date         |              | Amount of             |              | Derivative                   | Derivative   | Ownership  | of Indirect |
| Security                     | or Exercise  | (Month/Day/Year) |                    | Code       |      | Derivati             | ve      | (Month/Day/Year)        |              | Underlying            |              | Security                     | Securities   | Form of    | Beneficial  |
| (Instr. 3)                   | Price of   |                  | (Month/Day/Year)   | (Instr. 8) | )    | Securitie            | urities |                         |              | Securities (Instr. 5) |              | Beneficially                 | Derivative   | Ownership  |             |
|                              | Derivative   |                  |                    |            |      | Acquire              | d       |                         | (Instr. 3 an |                       | d 4)         |                              |              | 2          | (Instr. 4)  |
|                              | Security   |                  |                    |            |      | (A) or               |         |                         |              |                       |              | 0                            | Direct (D)   |            |             |
|                              |  |                  |                    |            |      | Dispose              | d of    |                         |              |                       |              | 1                            | or Indirect  |            |             |
|                              |  |                  |                    |            |      | (D)<br>(Instr. 2     | 4       |                         |              |                       |              | Transaction(s)<br>(Instr. 4) | · /          |            |             |
|                              |  |                  |                    |            |      | (Instr. 3,<br>and 5) | , 4,    |                         |              |                       |              |                              | (111501. 4)  | (Instr. 4) |             |
|                              |  |                  |                    |            |      | and 5)               | 1       |                         |              |                       |              |                              |              |            |             |
|                              |  |                  |                    |            |      |                      |         |                         | Amount       |                       |              |                              |              |            |             |
|                              |  |                  |                    |            |      |                      |         |                         | Expiration   | Title                 | or<br>Number |                              |              |            |             |
|                              |  |                  |                    |            |      |                      |         | Exercisable             | Date         | The                   | of           |                              |              |            |             |
|                              |  |                  |                    | Code       | v    | (A)                  | (D)     |                         |              |                       | Shares       |                              |              |            |             |
| Stock<br>option<br>(right to | \$ 1.99  | 01/17/2019       |                    | A          | -    | 75,000               |         |                         | 01/17/2029   | Common<br>Stock       |              | \$ 0                         | 75,000       | D          |             |
| buy)                         |  |                  |                    |            |      |                      |         |                         |              | STOCK                 |              |                              |              |            |             |

## **Reporting Owners**

| Derrorting Orangen Neuros (Address   | Relationships |           |                   |       |  |  |  |  |
|--|---------------|-----------|-------------------|-------|--|--|--|--|
| Reporting Owner Name / Address   | Director      | 10% Owner | Officer           | Other |  |  |  |  |
| CARUSO JAMES V<br>C/O CELLECTAR BIOSCIENCES, INC.<br>100 CAMPUS DRIVE<br>FLORHAM, NJ 07932 | Х             |           | President and CEO |       |  |  |  |  |

### **Signatures**

| /s/ Christina Blakley, attorney-in-fact for James V. Caruso | 01/18/2019 |  |  |
|---|------------|--|--|
| **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).
- This option grant is a contingent grant subject to the following conditions: (i) approval by Cellectar's stockholders of an increase in shares available under the Amended and Restated
   2015 Stock Incentive Plan at the Corporation's 2019 annual meeting of stockholders or other special meeting of stockholders called for such purpose; and (ii) to the extent
   stockholder approval is received, the grant shall vest over a period of three years from the grant date, with 1/3 vesting on the first anniversary of the grant date and the remainder vesting in 24 equal monthly installments over a 24 month period beginning on the first anniversary of the grant date.

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.