

UNITED STATES SECURITIES AND EXCHANGE **COMMISSION**

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

| OMB APPRO | VAL |
|-----------------|-------|
| OMB | 3235- |
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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 * | State | 2. Date of Event Requiring Statement (Month/Day/Year) | | 3. Issuer Name and Ticker or Trading Symbol Cellectar Biosciences, Inc. [CLRB] | | | | | |
|---|---|--|--|--|---|----------------------|--|---|--|
| BERNS PAUL L | | | | | | | | | |
| (Last) (First) (Mic | 08/1 | 08/14/2014 | | 4. Relationship of Reporting | | | 5. If Amendment, Date Original | | |
| C/O CELLECTAR | | | Pe | rson(s) to I | | | Filed(Mont | h/Day/Year) | |
| BIOSCIENCES, INC., 3301 | | | , | | all applicable | | | | |
| AGRICULTURE DRIVE | | | X Director 10% Owner Officer (give Other (specify | | | | | | |
| (Street) | | | title | e below) | below) | | 6. Individ | ual or Joint/Group | |
| | | | | | | | | eck Applicable Line) | |
| MADISON, WI 53716 | | | | | | | | ed by One Reporting Person ed by More than One Reporting | |
| (City) (State) (Z | ip) | Tab | le I - Non- | -Derivati | ve Securiti | es Be | neficially | Owned | |
| 1.Title of Security (Instr. 4) | | _, _, | nount of Section of Section of Section of Section (1997) and the section (1997) and the section of Section (1997) and the section (19 | | 3. Ownership Form: Direc | Own | nership | rect Beneficial | |
| | | | , | | (D) or | | , | | |
| | | | | | Indirect (I) (Instr. 5) | | | | |
| | no respond | ass of securitie to the colleged | ction of in | formation | (Instr. 5) | in thi | is form are | SEC 1473 (7-02) | |
| Persons winot require number. | no respond d to respor | to the colled ad unless the | ction of in e form disp | formatior plays a c | (Instr. 5) lirectly or ind contained urrently val | in thi id OM | is form are IB control | | |
| Persons w not require number. Table II - Derivative | no respond d to respor | to the collected unless the content of the collected of th | ction of interest of the control of | formatior plays a co | (Instr. 5) lirectly or ind a contained urrently val | in thi | is form are IB control convertible | securities) | |
| Persons who not require number. Table II - Derivative 1. Title of Derivative Security | no respond d to respons Securities Bo | to the collected unless the eneficially Owner cisable and | vned (e.g., p | formation plays a coouts, calls, | (Instr. 5) lirectly or ind a contained urrently value warrants, op | in thi id OM otions, | is form are IB control convertible 5. | securities) 6. Nature of Indirect | |
| Persons w not require number. Table II - Derivative | no respond d to respor | to the collected unless the eneficially Own reisable and Date | ction of interest of the control of | formation plays a control play | (Instr. 5) lirectly or ind a contained urrently value warrants, op | in thi id OM | is form are IB control convertible | securities) | |
| Persons who not require number. Table II - Derivative 1. Title of Derivative Security | no respond d to respons Securities Bo 2. Date Exerition I | eneficially Owrcisable and Date ar) Expiration | rned (e.g., p 3. Title and Securities Uperivative | formation plays a control play | (Instr. 5) lirectly or ind a contained arrently val warrants, op f 4. Conversor Exer Price of Derivat Security | in thi id OM | convertible 5. Ownership Form of | securities) 6. Nature of Indirect Beneficial Ownership | |

Reporting Owners

| Reporting Owner Name / Address | | Relationships | | | |
|--|----------|---------------|---------|-------|--|
| Reporting Owner Name / Address | Director | 10% Owner | Officer | Other | |
| BERNS PAUL L C/O CELLECTAR BIOSCIENCES, INC. 3301 AGRICULTURE DRIVE MADISON, WI 53716 | X | | | | |

Signatures

| /s/ Paul Bork,attorney-in-fact for Paul L. Berns | | 08/14/2014 |
|--|--|------------|
|--|--|------------|

| **Signature of Reporting Person | Date |
|---------------------------------|------|
| Signature of Reporting Person | |
| | |
| | |

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) Option vests in equal quarterly increments over a period of two years from the date of grant. Option expires on the tenth anniversary of the date of grant.

Remarks:

Exhibit 24 - 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.

CONFIRMING STATEMENT

This Statement confirms that the undersigned has authorized and designated Paul Bork, Matthew Eckert, Chad Kolean and Christina Blakley, each acting singly, to execute and file on the undersigned's behalf a Form ID and all Forms 3, 4, and 5 (including any amendments thereto) that the undersigned may be required to file with the U.S. Securities and Exchange Commission as a result of the undersigned's ownership of or transactions in securities of Cellectar Biosciences, Inc. The authority of Paul Bork, Matthew Eckert, Chad Kolean and Christina Blakley under this Statement shall continue until the undersigned is no longer required to file Forms 3, 4, and 5 with regard to the undersigned's ownership of or transactions in securities of Cellectar Biosciences, Inc. unless earlier revoked in writing. The undersigned acknowledges that Paul Bork, Matthew Eckert, Chad Kolean and Christina Blakley are not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

obligations with respect to securities of Cellectar Biosciences, Inc. who is not named herein, and this Statement replaces and supersedes any such prior confirming statement.

Dated: August 8, 2014 Signed: /s/ Paul L. Berns

Print Name: Paul L. Berns

This Statement revokes the authority of any person named in any prior confirming statement relating to the undersigned's filing