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

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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 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person * MARXE AUSTIN W & GREENHOUSE DAVID M			2. Issuer Name and Ticker or Trading Symbol Cellectar Biosciences, Inc. [CLRB]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner							
(Last) (First) (Middle) C/O SPECIAL SITUATIONS FUNDS, 527 MADISON AVENUE, SUITE 2600				3. Date of Earliest Transaction (Month/Day/Year) 02/03/2015							Director Officer (g	ive title below)		10% Owner Other (specify b	elow)	
(Street) NEW YORK, NY 10022			4. If Amendment, Date Original Filed(Month/Day/Year)							6. Individual or Joint/Group Filing(Check Applicable Line) X. Form filed by One Reporting Person Form filed by More than One Reporting Person						
(Cit	у)	(State)	(Zip)	Table I - Non-Derivative Securities Acq					uired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year)	any	ion Date	if Co	(Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		of (D)	Owned Follow Fransaction(s)	1		Ownership I Form:	Beneficial
				(Month/Day/Yea		ar)	Code	V	Amount	(A) or (D)		(Instr. 3 and 4)	+)		Direct (D) or Indirect I) Instr. 4)	Ownership (Instr. 4)
Common	ommon Stock										1	1,142,368	1 (2)	l		By Limited Partnerships (1) (2)
Reminder:	Report on a	separate line for eac	h class of securities l	benefici	ally own	ed dire		Perso	ons who			he collection			nined SI	EC 1474 (9-02)
Reminder:	Report on a	separate line for eac	th class of securities l	- Deriva	ative Sec	ırities	Acquire	Perso in thi displ	ons who s form a ays a cu	are not urrentl f, or Be	t require y valid (neficially	ed to respon OMB contro	d unless t		ained SI	EC 1474 (9-02)
1. Title of	2.	3. Transaction	Table II -	- Deriva (e.g., p	ative Secuts, calls	ırities	Acquire	Person in thi displayed, Dis- tions,	ons who s form a ays a cu posed of convertil isable an	are not urrentl f, or Be ble second	t require y valid (neficially urities) 7. Title ar	ed to respon OMB control y Owned	d unless to number. 8. Price of	he form 9. Number o	f 10.	11. Nature
1. Title of	•	3. Transaction Date	Table II - 3A. Deemed Execution Date, if	- Deriva (e.g., p 4. Transac Code	stive Sec uts, calls 5. Notion of Det Sec Acc (A) Dis of (Ins	urities warive ivative urities uired or posed	Acquire rants, op r 6. Date Expirat (Month	Person in thi displayed, Dis- tions, Exerc- tion Date	ons who s form a ays a cu sposed of convertion isable an ate	are not urrentl f, or Be ble second	t require y valid (neficially urities) 7. Title ar	ed to respon OMB control y Owned and Amount of ng Securities	d unless t I number.	he form 9. Number o	f 10. Ownersl Form of Derivati Security Direct (l or Indire	11. Nature Indirect Beneficial Ownership (Instr. 4)
Title of Derivative Security	2. Conversion or Exercise Price of Derivative	3. Transaction Date	Table II - 3A. Deemed Execution Date, if any	- Deriva (e.g., p 4. Transac Code	stive Sec uts, calls 5. Notion of Det Sec Acc (A) Dis of (Ins	nrities, warniumber ivativurities uired or coosed D) tr. 3, and 5)	Acquire rants, op r 6. Date Expirat (Month	Perso in thi displ ed, Dis tions, Exerc ion Day/	ons who s form a ays a cu sposed of convertion isable an ate	are not urrentl f, or Be ble second	t require y valid (neficially urities) 7. Title ar Jnderlyin	ed to respon OMB control y Owned and Amount of ng Securities	8. Price of Derivative Security	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(f 10. Ownersl Form of Derivati Security Direct (I or Indire s) (I)	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Keporung Owners

Reporting Owner Name / Address	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NY 10022		X				

Signatures

Adam C. Stettner	02/03/2015
**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 is a joint filing by Austin W. Marxe (Marxe), David M. Greenhouse (Greenhouse) and Adam C. Stettner (Stettner). Special Situations Fund III QP, L.P. (SSFQP), Special Situations Cayman Fund, L.P. (CAYMAN) and Special Situations Life Sciences Fund, L.P. (SSLS and together with SSFQP and CAYMAN, the Funds) hold shares of Common Stock of the Issuer (1) Cayman Fund, L.P. (CAYMAN) and special situations Life Sciences Fund, E.F. (GSES and objects with SSE & Land College and the power to dispose of the Shares held by each of the Funds. (the Shares). AWM Investment Company, Inc. (AWM), the investment adviser to the Funds, holds the power to vote and the power to dispose of the Shares held by each of the Funds. Marxe, Greenhouse and Stettner are the controlling principals of AWM.
- While the Shares held by each of the Funds were previously reported by Marxe, Greenhouse and Stettner on Form 3 and Form 4, reference should be made to AWM (CIK #0001002856) (2) for any future filings with the Securities and Exchange Commission relating to the Shares held by each of the Funds. Marxe, Greenhouse and Stettner disclaim beneficial ownership of the Shares, except to the extent of their pecuniary interest therein. This report shall not be deemed an admission that Marxe, Greenhouse and Stettner are the beneficial owners of the Shares of the Issuer held by the Funds for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- This is a joint filing by Austin W. Marxe (Marxe), David M. Greenhouse (Greenhouse) and Adam C. Stettner (Stettner). Special Situations Fund III QP, L.P. (SSFQP), Special Situations (3) Cayman Fund, L.P. (CAYMAN) and Special Situations Life Sciences Fund, L.P. (SSLS and together with SSFQP and CAYMAN, the Funds) holds Warrants to purchase shares of the

Issuer (the Shares). AWM Investment Company, Inc. (AWM), the investment adviser to the Funds, holds the power to vote and the power to dispose of the Shares held by each of the Funds. Marxe, Greenhouse and Stettner are the controlling principals of AWM.

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.