

GENOCEA BIOSCIENCES, INC.  
 Form 4  
 February 11, 2014

**FORM 4**

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

OMB APPROVAL

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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 \*  
 George Simeon

2. Issuer Name and Ticker or Trading Symbol  
 GENOCEA BIOSCIENCES, INC.  
 [GNCA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/10/2014

Director  10% Owner  
 Officer (give title below)  Other (specify below)

C/O S.R. ONE LIMITED, 161 WASHINGTON STREET, SUITE 500

(Street)

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

CONSHOHOCKEN, PA 19428

(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	(A) or (D)	Price			
Common Stock	02/10/2014		P <sup>(1)</sup>		143,773	A	\$ 12 <u>(1)</u>	143,773	I	See footnote <u>(2)</u>
Common Stock	02/10/2014		C		775,694	A	<u>(3)</u>	919,467	I	See footnote <u>(2)</u>
Common Stock	02/10/2014		C		344,473	A	<u>(4)</u>	1,263,940	I	See footnote <u>(2)</u>

Common Stock	02/10/2014	C	407,727	A	(5)	1,671,667	I	See footnote (2)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
					Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date			
				Code	V	(A)	(D)		Title	Amount or Number of Shares	
Series A Preferred Stock	(3)	02/10/2014		C		9,230,769		(3)	(3)	Common Stock	775,694
Series B Preferred Stock	(4)	02/10/2014		C		4,099,231		(4)	(4)	Common Stock	344,473
Series C Preferred Stock	(5)	02/10/2014		C		4,851,958		(5)	(5)	Common Stock	407,727

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
George Simeon C/O S.R. ONE LIMITED 161 WASHINGTON STREET, SUITE 500 CONSHOHOCKEN, PA 19428		X		

## Signatures

/s/ Robert E. Farrell, Jr., as attorney-in-fact for Simeon George	02/11/2014
**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) Shares issued upon the closing of the Issuer's initial public offering at the initial public offering price of \$12.00 per share.
- (2) Shares are held by S.R. One, Limited, an indirect, wholly-owned subsidiary of GlaxoSmithKline PLC. Simeon J. George is a Vice President at S.R. One, Limited and an employee of GlaxoSmithKline LLC, a wholly-owned subsidiary of GlaxoSmithKline plc.
- (3) The shares of Series A Preferred Stock converted automatically into Common Stock, on a 1-for-11.9 basis, upon the closing of the Issuer's initial public offering, and had no expiration date.
- (4) The shares of Series B Preferred Stock, including all accrued cumulative and unpaid dividends thereon, converted automatically into Common Stock, on a 1-for-11.9 basis, upon the closing of the Issuer's initial public offering, and had no expiration date.
- (5) The shares of Series C Preferred Stock converted automatically into Common Stock, on a 1-for-11.9 basis, upon the closing of the Issuer's initial public offering, and had no expiration date.

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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