#### GENOCEA BIOSCIENCES, INC.

Form 4

February 12, 2014

# FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005 Estimated average

**OMB APPROVAL** 

Form 4 or Form 5 obligations may continue.

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

burden hours per response... 0.5

*See* Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * GLAXOSMITHKLINE PLC	2. Issuer Name <b>and</b> Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
	GENOCEA BIOSCIENCES, INC. [GNCA]				
(Last) (First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner Officer (give titleX Other (specify			
980 GREAT WEST ROAD	02/10/2014	below) below) Former 10% Shareholder			
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person			
RRENTEORD		Form filed by More than One Reporting			

Person

### BRENTFORD MIDDLESEX, X0 TW8 9GS

(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)	ransaction(A) or Disposed of (D) ode (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock	02/10/2014		P(1)	143,773	A	\$ 12 (1)	143,773	I	See Footnote (2)	
Common Stock	02/10/2014		C	775,694	A	<u>(3)</u>	919,467	I	See Footnote	
Common Stock	02/10/2014		C	344,473	A	<u>(4)</u>	1,263,940	I	See Footnote	
Common	02/10/2014		C	407,727	A	<u>(5)</u>	1,671,667	I	See	

Stock Footnote (2)

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

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

(9-02)

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 or 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	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	<u>(4)</u>	02/10/2014		C		4,099,231	<u>(4)</u>	<u>(4)</u>	Common Stock	344,473
Series C Preferred Stock	<u>(5)</u>	02/10/2014		C		4,851,958	<u>(5)</u>	(5)	Common Stock	407,727

# **Reporting Owners**

Relationships Reporting Owner Name / Address

Director 10% Owner Officer Other

**GLAXOSMITHKLINE PLC** 980 GREAT WEST ROAD BRENTFORD MIDDLESEX, X0 TW8 9GS

Former 10% Shareholder

# **Signatures**

/s/ Simon Dingemans, Chief Financial Officer

02/12/2014

\*\*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).

Reporting Owners 2

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- (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.
- (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 on February 10, 2014, and had no expiration date.
- The shares of Series B Preferred Stock, including all accrued cumulative and unpaid dividends thereon, converted automatically into
- (4) Common Stock, on a 1-for-11.9 basis, upon the closing of the Issuer's initial public offering on February 10, 2014, 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 on February 10, 2014, 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. 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.