GENOCEA BIOSCIENCES, INC.

Form SC 13G/A February 10, 2016

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Genocea Biosciences, Inc. (Name of Issuer)

Common Stock, \$0.001 par value per share (Title of Class of Securities)

372427104 (CUSIP Number)

December 31, 2015 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

ý Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*}The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

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PERSON

1.

NAME OF REPORTING

| 3. | CVF, LLC CHECK THE APPROPRIATE BOX IF A MEMBER(b) OF A GROUP SEC USE ONLY | |
|--|---|---|
| 4. | CITIZENSHIP OR PLACE OF ORGANIZATION | |
| | Delaware 5. | SOLE VOTING POWER |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 6. 7 | 1,226,320 SHARED VOTING POWER |
| | 7 | SOLE DISPOSITIVE POWER |
| | 8. | 1,226,320 SHARED DISPOSITIVE POWER |
| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON | |
| 10. | 1,226,320 CHECK BOX IF " THE AGGREGATE | |

AMOUNT

IN ROW

(9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF CLASS REPRESENTED BY

AMOUNT IN ROW (9)

4.36%

TYPE OF REPORTING

PERSON

12.

OO

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Item 1(a). Name of Issuer:

Genocea Biosciences, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

100 Acorn Park Drive, Fifth Floor, Cambridge, Massachusetts 02140

Item 2(a). Name of Person Filing:

CVF, LLC ("CVF")

Item 2(b). Address of Principal Business Office or, if none, Residence:

222 N. LaSalle Street, Suite 2000, Chicago, Illinois 60601

Item 2(c). Citizenship:

Delaware

Item 2(d). Title of Class of Securities:

Common Stock, \$0.001 par value per share

Item 2(e). CUSIP Number:

372427104

If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), indicate type of person filing.

Item 3.

Not applicable.

Item 4. Ownership.

- (a) Amount beneficially owned: See row 9 of the cover page.
- Percent of class: See row 11 of the cover page.
- Number of shares as to which such person has:
 - Sole power to vote or direct the vote: See row 5 of the cover page.
 - Shared power to vote or direct the vote: See row 6 of the cover page.
 - (iii) Sole power to dispose or to direct the disposition of: See row 7 of the cover page.
 - (iv) Shared power to dispose or to direct the disposition of: See row 8 of the cover page.

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Percent of

class is based

on (i) the

number of

shares held by

CVF as of

December 31,

2015 and

(ii) the

number of

shares of

common

stock

outstanding as

of

November 3,

2015

(28,115,036

shares) as

reported by

the Issuer in

its most recent

Quarterly

Report on

Form 10-Q

filed with the

Securities and

Exchange

Commission

on

November 5,

2015.

Ownership of

Five Percent

Item 5. or Less of a

Class.

If this

statement is

being filed to

report the fact

that as of the

date hereof

the reporting

person has

ceased to be

the beneficial

owner of more than 5 percent of the class of securities, check the following ý.

Ownership of
More than
Five Percent
Item 6. on Behalf of
Another
Person.

Not applicable.

Identification and Classification of the Subsidiary Which Acquired the Security

Item 7. Security
Being
Reported on
by the Parent
Holding
Company or
Control

Person.

Not applicable.

Identification

Item 8. and Classification of Members of the Group.

Not applicable.

Notice of
Dissolution of
Group.

| | Not applicable. |
|-------|-----------------|
| | Certifications. |
| | Not applicable. |
| - 4 - | |

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

CVF, LLC

February 10, 2016 By: /s/Richard H. Robb

Name: Richard H. Robb

Title: Manager

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