

ZOGENIX, INC.  
Form SC 13G/A  
February 17, 2015

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549

SCHEDULE 13G

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

Zogenix, Inc.  
(Name of Issuer)

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

98978L105  
(CUSIP Number)

December 31, 2014  
(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)

Rule 13d-1(d)

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\*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.

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).

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CUSIP  
No 98978L105

1. NAME OF REPORTING PERSONS  
I.R.S.  
IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Armistice  
Capital,  
LLC

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  
(a)   
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

SHARED

6. VOTING  
POWER

9,400,000

SOLE

7. DISPOSITIVE  
POWER

0

SHARED

8. DISPOSITIVE  
POWER

9,400,000

AGGREGATE  
AMOUNT

9. BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON

9,400,000

CHECK

BOX IF

THE

AGGREGATE

AMOUNT

10. IN ROW (9)

EXCLUDES

CERTAIN

SHARES

(SEE

INSTRUCTIONS)

PERCENT

OF CLASS

REPRESENTED

11. BY

AMOUNT

IN ROW (9)

6.1%

12.

TYPE OF  
REPORTING  
PERSON  
(SEE  
INSTRUCTIONS)

OO

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CUSIP  
No 98978L105

1. NAME OF  
REPORTING  
PERSONS  
I.R.S.  
IDENTIFICATION  
NOS. OF  
ABOVE  
PERSONS  
(ENTITIES  
ONLY)

Armistice  
Capital  
Master  
Fund, Ltd.

2. CHECK THE  
APPROPRIATE  
BOX IF A  
MEMBER OF A  
GROUP (SEE  
INSTRUCTIONS)  
(a)   
(b)

3. SEC USE  
ONLY

4. CITIZENSHIP  
OR PLACE  
OF  
ORGANIZATION

Cayman  
Islands

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON WITH

5. SOLE  
VOTING

POWER

0

SHARED

6. VOTING  
POWER

9,400,000

SOLE

7. DISPOSITIVE  
POWER

0

SHARED

8. DISPOSITIVE  
POWER

9,400,000

AGGREGATE  
AMOUNT

9. BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON

9,400,000

CHECK  
BOX IF  
THE  
AGGREGATE  
AMOUNT

10. IN ROW (9)    
EXCLUDES  
CERTAIN  
SHARES  
(SEE  
INSTRUCTIONS)

PERCENT  
OF CLASS  
REPRESENTED

11. BY  
AMOUNT  
IN ROW (9)

6.1%

TYPE OF  
REPORTING  
PERSON

12. (SEE  
INSTRUCTIONS)

CO

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CUSIP  
No 98978L105

1. NAME OF  
REPORTING  
PERSONS  
I.R.S.  
IDENTIFICATION  
NOS. OF  
ABOVE  
PERSONS  
(ENTITIES  
ONLY)

Steven  
Boyd

2. CHECK THE  
APPROPRIATE  
BOX IF A  
MEMBER OF A  
GROUP (SEE  
INSTRUCTIONS)  
(a)   
(b)

3. SEC USE  
ONLY

4. CITIZENSHIP  
OR PLACE  
OF  
ORGANIZATION

United  
States of  
America

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON WITH

5. SOLE  
VOTING



POWER

0

SHARED

6. VOTING  
POWER

9,400,000

SOLE

7. DISPOSITIVE  
POWER

0

SHARED

8. DISPOSITIVE  
POWER

9,400,000

AGGREGATE  
AMOUNT

9. BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON

9,400,000

CHECK  
BOX IF  
THE  
AGGREGATE  
AMOUNT

10. IN ROW (9)    
EXCLUDES  
CERTAIN  
SHARES  
(SEE  
INSTRUCTIONS)

PERCENT  
OF CLASS  
REPRESENTED

11. BY  
AMOUNT  
IN ROW (9)

6.1%

TYPE OF  
REPORTING  
PERSON

12. (SEE  
INSTRUCTIONS)

IN, HC

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CUSIP No 98978L105

Item 1. (a). Name of Issuer:

Zogenix, Inc.

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

12400 High Bluff Drive, Suite 650  
San Diego, California 92130

Item 2. (a). Name of Person Filing:

Armistice Capital, LLC  
Armistice Capital Master Fund Ltd.  
Steven Boyd

(b). Address of Principal Business Office, or if None, Residence:

Armistice Capital, LLC  
623 Fifth Avenue, 31<sup>st</sup> Floor  
New York, New York 10022  
United States of America

Armistice Capital Master Fund Ltd.  
c/o dms Corporate Services Ltd.  
20 Genesis Close  
P.O. Box 314  
Grand Cayman KY1-1104  
Cayman Islands

Steven Boyd  
c/o Armistice Capital, LLC  
623 Fifth Avenue, 31<sup>st</sup> Floor  
New York, New York 10022  
United States of America

(c). Citizenship:

Armistice Capital, LLC – Delaware  
Armistice Capital Master Fund Ltd. – Cayman Islands  
Steven Boyd – United States of America

(d). Title of Class of Securities:

Common Stock, par value \$0.001 per share

(e). CUSIP Number:

98978L105



Item 3. If This Statement is filed pursuant to ss.240.13d-1(b) or 240.13d-2(b), or (c), check whether the person filing is a

- (a)  Broker or dealer registered under Section 15 of the Exchange Act (15 U.S.C. 78c).
- (b)  Bank as defined in Section 3(a)(6) of the Exchange Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in Section 3(a)(19) of the Exchange Act (15 U.S.C. 78c).
- (d)  Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C.1813);
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with s.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

Armistice Capital, LLC – 9,400,000  
Armistice Capital Master Fund Ltd. – 9,400,000  
Steven Boyd – 9,400,000

(b) Percent of class:

Armistice Capital, LLC – 6.1%  
Armistice Capital Master Fund Ltd. – 6.1%  
Steven Boyd – 6.1%

(c) Number  
of shares  
as to  
which the  
person  
has:

Armistice  
Capital,  
LLC

- (i) Sole power to vote or to direct the vote 0 ,
- (ii) Shared power to vote or to direct the vote 9,400,000,
- (iii) Sole power to dispose or to direct the disposition of 0 ,
- (iv) Shared power to dispose or to direct the disposition of 9,400,000.

Armistice Capital Master Fund Ltd.

- (i) Sole power to vote or to direct the vote 0 ,
- (ii) Shared power to vote or to direct the vote 9,400,000,
- (iii) Sole power to dispose or to direct the disposition of 0 ,
- (iv) Shared power to dispose or to direct the disposition of 9,400,000.

Steven Boyd

- (i) Sole power to vote or to direct the vote 0 ,
  - (ii) Shared power to vote or to direct the vote 9,400,000,
  - (iii) Sole power to dispose or to direct the disposition of 0 ,
  - (iv) Shared power to dispose or to direct the disposition of 9,400,000.
-

Item 5. Ownership of Five Percent 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 five percent of the class of securities, check the following [ ].

N/A

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

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of an employee benefit plan, pension fund or endowment fund is not required.

N/A

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

N/A

Item 8. Identification and Classification of Members of the Group.

If a group has filed this schedule pursuant to §240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to §240.13d-1(c) or §240.13d-1(d), attach an exhibit stating the identity of each member of the group.

N/A

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

N/A

Item 10. Certification.

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By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

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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.

February 17, 2015  
(Date)

Armistice Capital,  
LLC\*

By: /s/ Steven Boyd  
Steven Boyd  
Managing Member

Armistice Capital  
Master Fund Ltd.

By: /s/ Steven Boyd  
Steven Boyd  
Director

/s/ Steven Boyd\*  
Steven Boyd

\* The Reporting Persons disclaim beneficial ownership in the Common Stock, except to the extent of his or its pecuniary interest therein.

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

Note. Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See s.240.13d-7 for other parties for whom copies are to be sent.

Attention. Intentional misstatements or omissions of fact constitute Federal criminal violations (see 18 U.S.C. 1001).

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Exhibit A

AGREEMENT

The undersigned agree that this Amendment to Schedule 13G dated February 17, 2015 relating to the Common Stock, par value \$0.001 per share, of Zogenix, Inc. shall be filed on behalf of the undersigned.

Armistice Capital,  
LLC\*

By: /s/ Steven Boyd  
Steven Boyd  
Managing Member

Armistice Capital  
Master Fund Ltd.

By: /s/ Steven Boyd  
Steven Boyd  
Director

/s/ Steven Boyd\*  
Steven Boyd

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