

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

SCHEDULE 13G

**Under the Securities Exchange Act of 1934
(Amendment No. 2)**

Invitae Corporation

(Name of Issuer)

Common Shares, \$0.0001 par value

(Title of Class of Securities)

46185L103

(CUSIP Number)

December 31, 2016

(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)

*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).

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

1. Names of Reporting Persons.

Camber Capital Management LLC
42-1693587

2. Check the Appropriate Box if a Member of a Group

(a) (b)

3. SEC Use Only

4. Citizenship or Place of Organization

Massachusetts

5. Sole Voting Power

0 shares

Number of Shares

6. Shared Voting Power

2,398,123 shares

Beneficially

Owned by

7. Sole Dispositive Power

0 shares

Each Reporting

Person With:

8. Shared Dispositive Power

2,398,123 shares

9. Aggregate Amount Beneficially Owned by Each Reporting Person

Camber Capital Management LLC – 2,398,123 shares

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares

11. Percent of Class Represented by Amount in Row (9)

Camber Capital Management LLC – 7.39%

12. Type of Reporting Person

Camber Capital Management LLC – 00 (Limited Liability Company)

1. Names of Reporting Persons.

Stephen DuBois

Not applicable

2. Check the Appropriate Box if a Member of a Group

(a) (b)

3. SEC Use Only

4. Citizenship or Place of Organization

Stephen DuBois – United States

5. Sole Voting Power

0 shares

Number of Shares

6. Shared Voting Power

2,398,123 shares

Beneficially

Owned by

7. Sole Dispositive Power

0 shares

Each Reporting

Person With:

8. Shared Dispositive Power

2,398,123 shares

9. Aggregate Amount Beneficially Owned by Each Reporting Person

Stephen DuBois – 2,398,123 shares

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares

11. Percent of Class Represented by Amount in Row (9)

Stephen DuBois – 7.39%

12. Type of Reporting Person

Stephen DuBois – IN

ITEM 1.

(a) Name of Issuer:

Invitae Corporation

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

458 Brannan Street, San Francisco, CA 94107

ITEM 2.

(a) Name of Person Filing:

Camber Capital Management LLC

Stephen DuBois

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

Camber Capital Management LLC

Stephen DuBois

101 Huntington Avenue, Suite 2101

Boston, MA 02199

(c) Citizenship:

Camber Capital Management LLC – Massachusetts

Stephen DuBois – United States

(d) Title of Class of Securities:

Voting Shares, \$0.0001 par value

(e) CUSIP Number:

46185L103

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 Act (15 U.S.C. 78o).
- (b) Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in Section 3(a)(19) of the 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 ss.240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with ss.240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with ss.240.13d-1(b)(1)(ii)(G);
- (h) A savings associations 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

- (j) 1940 (15 U.S.C. 80a-3);
Group, in accordance with ss.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: Camber Capital Management LLC – 2,398,123 shares

Stephen DuBois – 2,398,123 shares

(b) Percent of class: Camber Capital Management LLC – 7.39%
 Stephen DuBois – 7.39%

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

(i) Sole power to vote or to direct the vote

Camber Capital Management LLC – 0 shares

Stephen DuBois – 0 shares

(ii) Shared power to vote or to direct the vote

Camber Capital Management LLC – 2,398,123 shares

Stephen DuBois – 2,398,123 shares

(iii) Sole power to dispose or to direct the disposition of

Camber Capital Management LLC – 0 shares

Stephen DuBois – 0 shares

(iv) Shared power to dispose or to direct the disposition of

Camber Capital Management LLC – 2,398,123 shares

Stephen DuBois – 2,398,123 shares

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 [].

INSTRUCTION: Dissolution of a group requires a response to this item.

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 employee benefit plan, pension fund or endowment fund is not required.

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 or Control person 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 or control person 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.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

If a group has filed this schedule pursuant to ss.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 ss.240.13d-1(c) or ss.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

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.

ITEM 10. CERTIFICATIONS.

The following certification shall be included if the statement is filed pursuant to S.240.13d-1(c):

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 such purpose or effect.

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.

CAMBER CAPITAL MANAGEMENT LLC

By: /s/Sean George

Sean George

Chief Financial Officer

STEPHEN DUBOIS

By: /s/ Stephen DuBois

Stephen DuBois, individually

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.

EXHIBIT 1

JOINT FILING AGREEMENT

This Joint Filing Agreement dated February 14, 2017 is by and between Camber Capital Management LLC, a Massachusetts limited liability company, and Stephen DuBois, an individual (the foregoing are collectively referred to herein as the "Filers"). Each of the Filers may be required to file with the United States Securities and Exchange Commission a statement on Schedule 13G with respect to common shares, \$0.0001 par value of Invitae Corporation beneficially owned by them from time to time. Pursuant to and in accordance with Rule 13(d)(1)(k) promulgated under the Securities Exchange Act of 1934, as amended, the Filers hereby agree to file a single statement on Schedule 13D and/or 13G (and any amendments thereto) on behalf of each of such parties, and hereby further agree to file this Joint Filing Agreement as an exhibit to such statement, as required by such rule. This Joint Filing Agreement may be terminated by any of the Filers upon one week's prior written notice or such lesser period of notice as the Filers may mutually agree.

Executed and delivered as of the date first above written.

CAMBER CAPITAL MANAGEMENT LLC

By: /s/ Sean George

Sean George

Chief Financial Officer

STEPHEN DUBOIS

By: /s/ Stephen DuBois