

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

SCHEDULE 13G
(RULE 13D - 102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO 13d-2(b)

(Amendment No. 1)*

VistaGen Therapeutics, Inc.
(Name of Issuer)

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

92840H202
(CUSIP Number)

May 10, 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 disclosures provided in a prior cover page.

The information required on 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 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*).

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

Nextthera Capital LP

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(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

6. SHARED VOTING POWER

138,132

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

138,132

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

138,132

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES ☐

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.8%

12. TYPE OF REPORTING PERSON

PN, IA

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

Nexthera Capital GP LLC

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(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

6. SHARED VOTING POWER

138,132

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

138,132

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

138,132

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES ☐

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.8%

12. TYPE OF REPORTING PERSON

OO

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

Daniel Malek

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) ☐

(b) ☐

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Belgium

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

138,132

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

138,132

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

138,132

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES ☐

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.8%

12. TYPE OF REPORTING PERSON

IN

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

Ori Hershkovitz

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) ☐

(b) ☐

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Israel

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

138,132

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

138,132

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

138,132

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES ☐

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.8%

12. TYPE OF REPORTING PERSON

IN

Item 1(a). Name of Issuer:

VistaGen Therapeutics, Inc. (the "Issuer").

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

343 Allerton Avenue
South San Francisco, CA 94080

Item 2(a). Name of Persons Filing:

This Statement is filed on behalf of each of the following persons (collectively, the "Reporting Persons"):

- i) Nexthera Capital LP ("Nexthera Capital");
- ii) Nexthera Capital GP LLC ("Nexthera GP")
- iii) Daniel Malek ("Mr. Malek"); and
- iv) Ori HersHKovitz (Mr. HersHKovitz").

Nexthera GP is the general partner of Nexthera Capital. Mr. Malek and Mr. HersHKovitz are the managing members Nexthera GP. By virtue of these relationships, each of Nexthera GP, Mr. Malek and Mr. HersHKovitz may be deemed to have voting and dispositive power with respect to the shares of Common Stock (as defined below) beneficially owned by Nexthera Capital.

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

The address of the principal business office of each of the Reporting Persons is 900 Third Avenue, Suite 1100, New York, New York 10022.

Item 2(c). Citizenship:

- i) Nexthera Capital is a Delaware limited partnership;
- ii) Nexthera GP is a Delaware limited liability company;
- iii) Mr. Malek is a citizen of Belgium; and
- iv) Mr. HersHKovitz is a citizen of Israel.

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

Common Stock, par value \$0.001 per share (the "Common Stock")

Item 2(e). CUSIP Number:

92840H202

Item 3. If This Statement is Filed Pursuant to Rule 13d 1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

- (a) ☐ Broker or dealer registered under Section 15 of the Exchange Act.
- (b) ☐ Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) ☐ Insurance company defined in Section 3(a)(19) of the Exchange Act.
- (d) ☐ Investment company registered under Section 8 of the Investment Company Act.
- (e) ☐ An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f) ☐ An employee benefit plan or endowment fund in accordance with Rule 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.
- (i) ☐ A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) ☐ Group, in accordance with Rule 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.

- (a) Amount beneficially owned:

As of the date hereof, the Reporting Persons may be deemed to have beneficially owned 138,132 shares of Common Stock.

- (b) Percent of class:

The aggregate percentage of Common Stock reported owned by each person named herein is based upon 7,713,875 shares of Common Stock outstanding as of May 12, 2016, which is the total number of Common Stock outstanding as reported in the Issuer's Prospectus filed pursuant to Rule 424(b)(4) with the Securities and Exchange Commission ("SEC") on May 12, 2016. As of the close of business on May 10, 2016, the Reporting Persons may be deemed to have beneficially owned approximately 1.8% of the outstanding Common Stock.

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

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

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

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 Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following [x].

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

Not applicable.

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

Not applicable.

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

See Exhibit A to the Schedule 13G filed with the SEC on February 29, 2016.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

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.

SIGNATURES

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Date: May 24, 2016
NEXTHERA CAPITAL LP
By: Nexthera Capital GP LLC, its general partner

By: /s/ Daniel Malek
Name: Daniel Malek
Title: Managing Member

Date: May 24, 2016
NEXTHERA CAPITAL GP LLC

By: /s/ Daniel Malek
Name: Daniel Malek
Title: Managing Member

Date: May 24, 2016
DANIEL MALEK

By: /s/ Daniel Malek
Name: Daniel Malek

Date: May 24, 2016
ORI HERSHKOVITZ

By: /s/ Ori Hershkovitz
Name: Ori Hershkovitz