
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 2)*

NextCure, Inc.

(Name of Issuer)

Common Stock, \$0.001 par value

(Title of Class of Securities)

65343E207

(CUSIP Number)

Nathalie Auber
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(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

12/19/2025

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

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 ("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).

SCHEDULE 13D

CUSIP No. 65343E207

1 Name of reporting person
 Sofinnova Venture Partners IX, L.P. ("SVP IX")
 Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
 Source of funds (See Instructions)

4 WC
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
 Citizenship or place of organization

6 DELAWARE

7 Sole Voting Power
 222,654.00

Number of Shares Beneficially Owned by Each Reporting Person With: 8 Shared Voting Power
 0.00

9 Sole Dispositive Power
 222,654.00

10 Shared Dispositive Power
 0.00

11 Aggregate amount beneficially owned by each reporting person
 222,654.00

12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

13
 Percent of class represented by amount in Row (11)
 7.1 %

14 Type of Reporting Person (See Instructions)
 PN

Comment for Type of Reporting Person: Note to Row 7: Sofinnova Management IX, L.L.C. ("SM IX"), the general partner of SVP IX, may be deemed to have sole voting power, and Dr. James I. Healy ("Healy"), the managing member of SM IX, may be deemed to have sole power to vote these shares. Note to Row 8: See response to Row 7. Note to Row 9: SM IX, the general partner of SVP IX, may be deemed to have sole dispositive power and Healy, the managing member of SM IX, may be deemed to have sole power to dispose of these shares. Note to Row 10: See response to Row 9.

SCHEDULE 13D

CUSIP No. 65343E207

1 Name of reporting person
 Sofinnova Management IX, L.L.C. ("SM IX")

2 Check the appropriate box if a member of a Group (See Instructions)

(a)

(b)

3 SEC use only
Source of funds (See Instructions)

4 AF

5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization

6 DELAWARE

Sole Voting Power

7

222,654.00

Number of Shares Beneficially

Shared Voting Power

Owned by

8

0.00

Each Reporting Person

Sole Dispositive Power

9

222,654.00

With: Shared Dispositive Power

10

0.00

Aggregate amount beneficially owned by each reporting person

11 222,654.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13 7.1 %

Type of Reporting Person (See Instructions)

14 OO

Comment Note to Row 7: All shares are owned directly by SVP IX. SM IX, the general partner of SVP IX, may be deemed to have sole voting power, and Healy, the managing member of SM IX, may be deemed to have sole voting power to vote of these shares. Note to Row 8: See response to Row 7. Note to Row 9: All shares are owned directly by SVP IX. SM IX, the general partner of SVP IX, may be deemed to have sole dispositive power, and Healy, the managing member of Person: SM IX, may be deemed to have sole dispositive power over these shares. Note to Row 10: See response to Row 9.

SCHEDULE 13D

CUSIP No. 65343E207

Name of reporting person

1 Dr. James I. Healy ("Healy")

Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 AF

5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

Citizenship or place of organization

6

UNITED STATES

Sole Voting Power

7

222,654.00

Number of Shares

Shared Voting Power

Beneficially

8

0.00

Owned by Each

Sole Dispositive Power

Reporting Person

9

222,654.00

With:

Shared Dispositive Power

10

0.00

Aggregate amount beneficially owned by each reporting person

11

222,654.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

7.1 %

Type of Reporting Person (See Instructions)

14

IN

Comment for Type of Reporting Person: Note to Row 7: All shares are owned directly by SVP IX. SM IX, the general partner of SVP IX, may be deemed to have sole voting power, and Healy, the managing member of SM IX, may be deemed to have sole voting power to vote these shares. Note to Row 8: See response to Row 7. Note to Row 9: All shares are owned directly by SVP IX. SM IX, the general partner of SVP IX, may be deemed to have sole dispositive power, and Healy, the managing member of SM IX, may be deemed to have sole power to dispose of these shares. Note to Row 10: See response to Row 9.

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Common Stock, \$0.001 par value

Name of Issuer:

(b)

NextCure, Inc.

Address of Issuer's Principal Executive Offices:

(c)

9000 Virginia Manor Road, Suite 200, Beltsville, MARYLAND , 20705.

Item 1 Comment: This Amendment No. 2 ("Amendment No. 2") amends and restates the Statement on Schedule 13D that was originally filed on May 17, 2019 and amended on November 22, 2019 (as amended, the "Original Schedule 13D"). This Amendment No. 2 relates to the beneficial ownership of Common Stock, \$0.001 par value per share ("Common Stock") of NextCure, Inc., a Delaware corporation ("Issuer") and is being filed by Sofinnova Venture Partners IX, L.P., a Delaware limited partnership ("SVP IX"), Sofinnova Management IX, L.L.C., a Delaware limited liability company ("SM IX"), and Dr. James I. Healy ("Healy" and collectively with SVP IX, and SM IX, the "Reporting Persons"). This Amendment No. 2 is being filed to update the aggregate percentage of Common Stock owned by the Reporting Persons due to dilution caused by the Issuer's additional sales of Common Stock from time to time since the date of the filing of the Original Schedule 13D. The Issuer reported outstanding Common Stock in the Issuer's Form 424(b)(5) filed with the Securities and Exchange Commission on December 19, 2025 (File No. 333-273723) (the "Prospectus Supplement"), causing a decrease in the aggregate percentage ownership by the Reporting Persons of one percent (1%) or more from the percentages reported in the Original Schedule 13D. (a) The class of equity securities to which this statement relates is the Common Stock of the Issuer. (b) The Issuer's principal executive offices are located at 9000 Virginia Manor Road, Suite 200, Beltsville, Maryland 20705.

Item 2. Identity and Background

- (a) The persons and entities filing this Schedule 13D are SVP IX, SM IX, and Healy. SM IX, the general partner of SVP IX, may be deemed to have sole power to vote and sole power to dispose of shares of the Issuer directly owned by SVP IX. Dr. Michael F. Powell and Dr. Anand Mehra, each a reporting person on the Original Schedule 13D, are no longer managing members of SM IX, and accordingly, are no longer reporting persons on this Amendment No. 2.
- (b) The address of the principal place of business for each of the Reporting Persons is c/o Sofinnova Investments, Inc., 3000 Sand Hill Road, Building 3, Suite 150, Menlo Park, California 94025.
- (c) The principal occupation of each of the Reporting Persons is the venture capital investment business. The principal business of SVP IX is to make investments in private and public companies, and the principal business of SM IX is to serve as the general partner of SVP IX. Healy is the managing member of SM IX.
- (d) During the last five years, none of the Reporting Persons has been convicted in any criminal proceeding (excluding traffic violations or similar misdemeanors).
- (e) During the last five years, none of the Reporting Persons has been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.
- (f) SVP IX is a Delaware limited partnership. SM IX is a Delaware limited liability company. Healy is a U.S. citizen.

Item 3. Source and Amount of Funds or Other Consideration

SVP IX purchased an aggregate 2,239,500 shares of Series A-1 convertible preferred stock from the Issuer at a purchase price of \$1.00 per share in a closing that occurred in December 2015, or \$2,239,500 in the aggregate. SVP IX purchased an aggregate 3,732,500 shares of Series A-2 convertible preferred stock from the Issuer at a purchase price of \$1.00 per share in a closing that occurred in January 2017, or \$3,732,500 in the aggregate. SVP IX purchased an aggregate 7,301,000 shares of Series A-3 convertible preferred stock from the Issuer at a purchase price of \$1.10 per share in a closing that occurred in April 2018, or \$8,031,100 in the aggregate. SVP IX purchased an aggregate 3,773,585 shares of Series B-1 convertible preferred stock from the Issuer at a purchase price of \$1.59 per share in a closing that occurred November 2018, or \$6,000,000.15 in the aggregate. The shares of the Issuer's preferred stock automatically converted into shares of Common Stock on a 1-for-8.0338 basis upon the closing of the Issuer's initial public offering of Common Stock (the "IPO Offering"). In connection with the IPO Offering, SVP IX purchased 400,000 shares of Common Stock at \$15.00 per share, or \$6,000,000 in the aggregate. Such purchase occurred pursuant to and on the terms set forth in the Issuer's Prospectus filed pursuant to Rule 424(b)(4) on May 9, 2019 with the Securities and Exchange Commission (the "IPO Prospectus"). In November 2019, the Issuer held a public offering (the "Follow-On Offering") of Common Stock. On November 15, 2019, in connection with the Follow-On Offering, SVP IX purchased 150,000 shares of Common Stock from the Issuer at \$36.75 per share, or \$5,512,500 in the aggregate. Such purchase occurred pursuant to and on the terms set forth in the Issuer's Prospectus filed pursuant to Rule 424(b)(4) on November 18, 2019 with the Securities and Exchange Commission (the "Follow-On Prospectus"). The Issuer's board of directors and stockholders approved a 1-for-12 reverse split of the Common Stock, which was effected on July 14, 2025 (the "Reverse Stock Split"). All amounts of Common Stock in this Item 3 do not reflect the Reverse Stock Split. Unless noted above, the source of the funds for all purchases and acquisitions by the Reporting Persons was from working capital. Certain purchases by SVP IX were made using its working capital funded partially through a line of credit with Silicon Valley Bank in the normal course of business and then paid down from the proceeds from investor capital calls. Unless noted above, no part of the purchase price was borrowed by any Reporting Person for the purpose of acquiring any securities discussed in this Item 3.

Item 4. Purpose of Transaction

The Reporting Persons hold their securities of the Issuer for investment purposes. Depending on the factors discussed herein, the Reporting Persons may, from time to time, acquire additional Common Stock and/or retain and/or sell all or a portion of the Common Stock held by the Reporting Persons in the open market or in privately negotiated transactions, and/or may distribute the Common Stock held by the Reporting Persons to their respective members or limited partners. Any actions the Reporting Persons might undertake will be dependent upon the Reporting Persons' review of numerous factors, including, among other things, the price levels of the Common Stock, general market and economic conditions, ongoing evaluation of the Issuer's business, financial condition, operations and prospects; the relative attractiveness of alternative business and investment opportunities, and other future developments. Except as set forth above, the Reporting Persons have no present plans or intentions which would result in or relate to any of the transactions described in subparagraphs (a) through (j) of Item 4 of Schedule 13D.

Item 5. Interest in Securities of the Issuer

- (a) Regarding aggregate beneficial ownership, see Row 11 of the cover page of each Reporting Person. Regarding percentage beneficial ownership, see Row 13 of the cover page of each Reporting Person. The percentage listed in Row 13 for each Reporting Person was calculated based upon 3,122,143 shares of Common Stock outstanding as of December 19, 2025, as reported by the Issuer in the Prospectus Supplement.
- (b) Regarding sole power to vote shares, see Row 7 of the cover page of each Reporting Person. Regarding shared power to vote shares, see Row 8 of the cover page of each Reporting Person. Regarding sole power to dispose of shares, see Row 9 of the cover page of each Reporting Person. Regarding shared power to dispose of shares, see Row 10 of the cover page of each Reporting Person.
- (c) Except as set forth in Item 3 above, the Reporting Persons have not effected any transaction in the securities of the Issuer during the past 60 days.
- (d) Under certain circumstances set forth in the limited partnership agreement of SVP IX, the general partner and limited partners of SVP IX may be deemed to have the right to receive dividends from, or the proceeds from, the sale of

shares of the Issuer owned by such entity of which they are a partner.

(e) Not applicable.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer

SVP IX is a party to the Investors' Rights Agreement among the Issuer, SVP IX and other shareholders. Subject to the terms of such Investors' Rights Agreement, SVP IX can demand that the Issuer file a registration statement or request that its Common Stock be covered by a registration statement that the Issuer is otherwise filing under certain specified circumstances. Such Investors' Rights Agreement dated as of November 5, 2018 is more fully described in the IPO Prospectus and was filed as Exhibit 4.1 to the Issuer's Form S-1 Registration Statement (File No. File No. 333-230837), and such description is incorporated herein by reference. In connection with the IPO Offering, SVP IX and certain other holders of shares of Common Stock have entered into Lock-Up Agreements with the Issuer's underwriters or otherwise agreed, subject to certain exceptions, that they will not, directly or indirectly, offer, sell, contract to sell, pledge, grant any option to purchase, make any short sale, or otherwise dispose of or hedge any of shares of Common Stock, any options or warrants to purchase shares of Common Stock, or any securities convertible into, or exchangeable for or that represent the right to receive shares of Common Stock, without the prior written consent of the representatives of the Issuer's underwriters for a period of 180 days from the date of the IPO Prospectus. Such Lock-Up Agreement is more fully described in the IPO Prospectus and was filed as Exhibit A of Exhibit 1.1 to the Issuer's Form S-1 Registration Statement (File No. 333-230837), and such description is incorporated herein by reference. In connection with the Follow-On Offering, SVP IX and certain other holders of shares of Common Stock have entered into Lock-Up Agreements with the Issuer's underwriters or otherwise agreed, subject to certain exceptions, that they will not offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock, without the prior written consent of the representatives of the Issuer's underwriters for a period of 90 days from the date of the Follow-On Prospectus. Such Lock-Up Agreement is more fully described in the Follow-On Prospectus and was filed as Exhibit A of Exhibit 1.1 to the Issuer's Form S-1 Registration Statement (File No. 333-234639), and such description is incorporated herein by reference.

Item 7. Material to be Filed as Exhibits.

EXHIBIT A Agreement of Joint Filing EXHIBIT B Power of Attorney EXHIBIT C Investors' Rights Agreement described in Item 6, filed as Exhibit 4.1 to the Issuer's Form S-1 Registration Statement (File No. 333-230837) is incorporated herein by reference. EXHIBIT D Form of Lock-Up Agreement described in Item 6, filed as Exhibit A of Exhibit 1.1 to the Issuer's Form S-1 Registration Statement (File No. 333-230837) is incorporated herein by reference. EXHIBIT E Form of Lock-Up Agreement described in Item 6, filed as Exhibit A of Exhibit 1.1 to the Issuer's Form S-1 Registration Statement (File No. 333-234639) is incorporated herein by reference.

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.

Sofinnova Venture Partners IX, L.P. ("SVP IX")

Signature: /s/ Nathalie Auber

Name/Title: Nathalie Auber/Attorney-in-Fact

Date: 03/05/2026

Sofinnova Management IX, L.L.C. ("SM IX")

Signature: /s/ Nathalie Auber

Name/Title: Nathalie Auber/Attorney-in-Fact

Date: 03/05/2026

Dr. James I. Healy ("Healy")

Signature: /s/ Nathalie Auber

Name/Title: Nathalie Auber/Attorney-in-Fact

Date: 03/05/2026

EXHIBIT A

Agreement of Joint Filing

The undersigned hereby agree that a single Schedule 13D (or any amendment thereto) relating to the Common Stock of NextCure, Inc. shall be filed on behalf of each of the undersigned and that this Agreement shall be filed as an exhibit to such Schedule 13D.

Date: May 16, 2019

SOFINNOVA VENTURE PARTNERS IX, L.P.,
a Delaware Limited Partnership

By: SOFINNOVA MANAGEMENT IX, L.L.C.,
a Delaware Limited Liability Company
Its: General Partner

By: /s/ Nathalie Auber

Nathalie Auber
Attorney-in-Fact

SOFINNOVA MANAGEMENT IX, L.L.C.,
a Delaware Limited Liability Company

By: /s/ Nathalie Auber

Nathalie Auber
Attorney-in-Fact

DR. JAMES I. HEALY
DR. MICHAEL F. POWELL
DR. ANAND MEHRA

By: /s/ Nathalie Auber

Nathalie Auber
Attorney-in-Fact

EXHIBIT B

Power of Attorney

Nathalie Auber has signed this Schedule 13D as Attorney-In-Fact. Note that copies of the applicable Power of Attorney are already on file with the appropriate agencies.
