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SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 1)\*

Abivax SA

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(Name of Issuer)

Ordinary Shares, par value EUR0.01 per share

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(Title of Class of Securities)

00370M103

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(CUSIP Number)

Armance Bordes  
7-11, boulevard Haussmann,  
Paris, 10, 75009  
33 1 76 23 41 09

John Partigan Lloyd Spencer  
Nixon Peabody LLP 799 9 Street NW Ste 50,  
Washington, DC, 20001  
202-585-8000

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

02/14/2025

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(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).

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SCHEDULE 13D

CUSIP No. 00370M103

1 Name of reporting person  
 Sofinnova Crossover I SLP  
 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 OO  
 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5   
 Citizenship or place of organization

6 FRANCE  
 Sole Voting Power

7 7,794,478.00  
 Shared Voting Power

Number of Beneficially Owned by Each Reporting Person With: 8 0.00  
 Sole Dispositive Power

9 5,264,739.00  
 Shared Dispositive Power

10 0.00  
 Aggregate amount beneficially owned by each reporting person

11 7,794,478.00  
 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12   
 Percent of class represented by amount in Row (11)

13 11.0 %  
 Type of Reporting Person (See Instructions)

14 OO

**Comment for Type of Reporting Person:** Note in relation to Items 7 and 8: Sofinnova Partners SAS, a French corporation ("SP SAS"), the management company of Sofinnova Crossover I SLP ("SC"), may be deemed to have sole voting power, and Antoine Papiernik ("Papiernik"), Cedric Moreau ("Moreau"), Kinam Hong ("Hong"), Joseph Anderson ("Anderson") and Jacques Theurillat ("Theurillat"), the members of the investment committee of SC, may be deemed to have shared power to vote these shares. Note in relation to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Papiernik, Moreau, Hong, Anderson and Theurillat, the members of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

**CUSIP No.** 00370M103

1 Name of reporting person

Sofinnova Partners SAS

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

OO

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

5

Citizenship or place of organization

6

FRANCE

Sole Voting Power

7

7,794,478.00

Number of  
Shares

Shared Voting Power

Beneficially 8

Owned by

0.00

Each

Sole Dispositive Power

Reporting 9

Person

5,264,739.00

With:

Shared Dispositive Power

10

0.00

Aggregate amount beneficially owned by each reporting person

11

7,794,478.00

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

12

Percent of class represented by amount in Row (11)

13

11.0 %

Type of Reporting Person (See Instructions)

14

OO

**Comment for Type of Reporting Person:** Note in relation to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Papiernik, Moreau, Hong, Anderson and Theurillat, the members of the investment committee of SC, may be deemed to have shared power to vote these shares. Note in relation to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Papiernik, Moreau, Hong, Anderson and Theurillat, the members of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depository shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

CUSIP No. 00370M103

Name of reporting person

1

Antoine Papiernik

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

5   
Citizenship or place of organization

6 FRANCE  
Sole Voting Power  
7 7,794,478.00  
Number of Shares Beneficially Owned by Each Reporting Person With:  
8 Shared Voting Power  
0.00  
9 Sole Dispositive Power  
5,264,739.00  
10 Shared Dispositive Power  
0.00

11 Aggregate amount beneficially owned by each reporting person  
7,794,478.00  
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12   
Percent of class represented by amount in Row (11)  
13 11.0 %

14 Type of Reporting Person (See Instructions)  
IN

**Comment for Type of Reporting Person:** Note to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Papiernik, a member of the investment committee of SC, may be deemed to have shared power to vote these shares. Note to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Papiernik, a member of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

CUSIP No. 00370M103

1 Name of reporting person  
Cedric Moreau  
Check the appropriate box if a member of a Group (See Instructions)

2  (a)

(b)

3 SEC use only  
4 Source of funds (See Instructions)

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

6 Citizenship or place of organization

FRANCE

7 Sole Voting Power

Number of Shares Beneficially Owned by Each Reporting Person With: 7,794,478.00  
 Shared Voting Power

8 0.00  
 Sole Dispositive Power

9 5,264,739.00  
 Shared Dispositive Power

10 0.00

11 Aggregate amount beneficially owned by each reporting person

7,794,478.00

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

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

11.0 %

14 Type of Reporting Person (See Instructions)

IN

**Comment for Type of Reporting Person:** Note to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Moreau, a member of the investment committee of SC, may be deemed to have shared power to vote these shares. Note to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Moreau, a member of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

**CUSIP No.** 00370M103

1 Name of reporting person

Kinam Hong

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

2  (a)  
 (b)

3 SEC use only

4 Source of funds (See Instructions)

OO

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

6 Citizenship or place of organization

UNITED STATES

7 Sole Voting Power  
 Number of Shares Beneficially Owned by Each Reporting Person With: 7,794,478.00  
 8 Shared Voting Power  
 0.00  
 9 Sole Dispositive Power  
 5,264,739.00  
 10 Shared Dispositive Power  
 0.00  
 11 Aggregate amount beneficially owned by each reporting person  
 7,794,478.00  
 12 Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)  
  
 13 Percent of class represented by amount in Row (11)  
 11.0 %  
 14 Type of Reporting Person (See Instructions)  
 IN

**Comment for Type of Reporting Person:** Note to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Hong, a member of the investment committee of SC, may be deemed to have shared power to vote these shares. Note to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Hong, a member of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

SCHEDULE 13D

CUSIP No. 00370M103

1 Name of reporting person  
 Joseph Anderson  
 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 OO  
 5 Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)  
  
 6 Citizenship or place of organization  
 UNITED KINGDOM  
 Number of Shares Beneficially Owned by 7 Sole Voting Power  
 7,794,478.00

Each Reporting Person With: 8 Shared Voting Power  
0.00  
Sole Dispositive Power  
9  
5,264,739.00  
Shared Dispositive Power  
10  
0.00  
Aggregate amount beneficially owned by each reporting person  
11  
7,794,478.00  
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)  
12  
  
Percent of class represented by amount in Row (11)  
13  
11.0 %  
Type of Reporting Person (See Instructions)  
14  
IN

**Comment for Type of Reporting Person:** Note to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Anderson, a member of the investment committee of SC, may be deemed to have shared power to vote these shares. Note to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Anderson, a member of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

**CUSIP No.** 00370M103

1 Name of reporting person  
Jacques Theurillat  
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  
OO  
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)  
5  
  
Citizenship or place of organization  
6  
SWITZERLAND  
Number of Shares Beneficially Owned by Each Reporting Person With: 7  
Sole Voting Power  
7,794,478.00  
Shared Voting Power  
8  
0.00  
9  
Sole Dispositive Power  
5,264,739.00

Shared Dispositive Power

10

0.00

Aggregate amount beneficially owned by each reporting person

11

7,794,478.00

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

12



Percent of class represented by amount in Row (11)

13

11.0 %

Type of Reporting Person (See Instructions)

14

IN

**Comment for Type of Reporting Person:** Note to Items 7 and 8: SP SAS, the management company of SC, may be deemed to have sole voting power, and Theurillat, a member of the investment committee of SC, may be deemed to have shared power to vote these shares. Note to Items 9 and 10: SP SAS, the management company of SC, may be deemed to have sole power to dispose of these shares, and Theurillat, a member of the investment committee of SC, may be deemed to have shared power to dispose of these shares. Note in relation to Items 8, 10, 11 and 13: The Reporting Person beneficially owns 5,264,739 Ordinary Shares (including ordinary shares represented by American depositary shares) and has 7,794,478 voting rights related to such shares. The aggregate amount beneficially owned and percent of class reported above are based on the Reporting Person's voting rights and the 70,991,046 voting rights outstanding as of December 31, 2024.

## SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Ordinary Shares, par value EUR0.01 per share

Name of Issuer:

(b)

Abivax SA

Address of Issuer's Principal Executive Offices:

(c)

7-11, boulevard Haussmann, Paris, FRANCE , 75009.

**Item 1 Comment:** Introductory Statement: This Amendment No. 1 (this "Amendment"), being filed by Sofinnova Crossover I SLP ("SC"), Sofinnova Partners SAS, a French corporation ("SP SAS"), Antoine Papiernik ("Papiernik"), Cedric Moreau ("Moreau"), Kinam Hong ("Hong"), Joseph Anderson ("Anderson") and Jacques Theurillat ("Theurillat") the members of the investment committee of SC (collectively, the "Listed Persons" and together with SC and SP SAS, the "Reporting Persons"), amends and supplements the Schedule 13D filed with the Securities and Exchange Commission (the "SEC") on October 30, 2023 (the "Schedule 13D"). This Schedule 13D relates to the Ordinary Shares, par value EUR0.01 per share (the "Ordinary Shares"), including ordinary shares represented by American Depositary Shares ("ADS"), of Abivax SA, a societe anonyme incorporated under the laws of the French Republic (the "Issuer"). Except as specifically provided herein, this Amendment No. 1 does not modify any of the information previously reported in the Schedule 13D. Capitalized terms used herein shall have the meanings ascribed to them in the Schedule 13D.

Item 2. Identity and Background

(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.

Item 3. Source and Amount of Funds or Other Consideration

Item 3 of the Schedule 13D is hereby amended and supplemented as follows: As described in more detail in Item 4 below, SC received an additional 845,865 voting rights since the filing of the Schedule 13D. The allocation of additional voting rights to SC was effectuated for no consideration.

Item 4. Purpose of Transaction

Item 4 of the Schedule 13D is hereby amended and supplemented as follows: Under French law, shares registered for

more than two years in the name of the same shareholder are automatically granted double voting rights, unless the by-laws expressly reject this measure. Consequently, on July 6, 2024, SC received an additional 261,865 voting rights and on October 22, 2024, SC received an additional 584,000 voting rights. SC may, from time to time, acquire additional Ordinary Shares and/or ADSs or sell all or a portion of the Ordinary Shares and/or ADSs held by SC in the open market or in privately negotiated transactions, or may distribute the Ordinary Shares and/or ADSs held by SC to its unitholders. Any actions SC might undertake will be dependent upon its review of numerous factors, including, among other things, the market prices of the Ordinary Shares and ADSs, 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, investors' need for liquidity, and other future developments. Except as described in this Schedule 13D, the Reporting Persons do not have any present plans or proposals that relate to or would result in any of the actions described in subparagraphs (a) through (j) of Item 4 of Schedule 13D, although, the Reporting Persons, at any time and from time to time, may review, reconsider and change their position and/or change their purpose and/or develop such plans and may seek to influence management or the Board of Directors of the Issuer with respect to the business and affairs of the Issuer and may from time to time consider pursuing or proposing such matters with advisors, the Issuer or other persons.

Item 5. Interest in Securities of the Issuer

Item 5(a) of the Schedule 13D is hereby amended and supplemented as follows: As of February 14, 2025, SC held directly 5,264,739 Ordinary Shares representing approximately 8.3% of the Issuer's outstanding Ordinary Shares and 7,794,478 voting rights representing approximately 11.0% of the Issuer's outstanding voting rights. None of the other Reporting Persons hold any Ordinary Shares or ADSs directly. SP SAS is the management company of SC and may be deemed to have shared voting and investment control over the Ordinary Shares and ADSs held by SC. Each of

- (a) Antoine Papiernik, Cedric Moreau, Kinam Hong, Joseph Anderson and Jacques Theurillat are the members of the investment committee of SC and may be deemed to have shared voting and investment control over the Ordinary Shares and ADSs held by SC. Each of such individuals disclaims beneficial ownership of such Ordinary Shares and ADSs except to the extent of their pecuniary interest therein. The ownership percentages are based upon 63,347,837 of the Issuer's Ordinary Shares outstanding as of December 31, 2024. The voting percentages are based upon 70,991,046 voting rights outstanding as of December 31, 2024.

- (b) Item 5(b) of the Schedule 13D is hereby amended and supplemented as follows: See the information contained on the cover pages of this Amendment, which is incorporated herein by reference.

- (c) Item 5(c) of the Schedule 13D is hereby amended and supplemented as follows: There have been no reportable transactions with respect to the shares of Common Stock of the Issuer within the last 60 days by the Reporting Persons.

Item 7. Material to be Filed as Exhibits.

EX 99.1 - Agreement regarding filing of joint Schedule 13D (incorporated by reference from Exhibit 99.1 to Schedule 13D filed by the Reporting Persons on October 30, 2023)

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 Crossover I SLP

Signature: /s/ Antoine Papiernik

Name/Title: Managing Partner

Date: 02/14/2025

Sofinnova Partners SAS

Signature: /s/ Antoine Papiernik

Name/Title: Managing Partner

Date: 02/14/2025

Antoine Papiernik

Signature: /s/ Antoine Papiernik

Name/Title: Antoine Papiernik

Date: 02/14/2025

Cedric Moreau

Signature: /s/ Cedric Moreau

Name/Title: Cedric Moreau

Date: 02/14/2025

Kinam Hong

Signature: /s/ Kinam Hong

Name/Title: Kinam Hong

Date: 02/14/2025

Joseph Anderson

Signature: /s/ Joseph Anderson

Name/Title: Joseph Anderson

Date: 02/14/2025

Jacques Theurillat

Signature: /s/ Jacques Theurillat

Name/Title: Jacques Theurillat

Date: 02/14/2025