UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13D

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (Amendment No.)*

Abivax SA

(Name of Issuer)

Ordinary Shares, par value €0.01 per share

(Title of Class of Securities)

00370M103 (American Depositary Shares, each representing one Ordinary Share)

(CUSIP Number)

Armance Bordes
Sofinnova Partners SAS
7-11 blvd Haussmann
75009 Paris
France
+33 1 76 23 41 00

With copy to:
John C. Partigan
Lloyd H. Spencer
Nixon Peabody LLP
799 9th Street NW, Suite 500
Washington DC 20001
(202) 585-8000

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

October 20, 2023

(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(g), check the following box. \square

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

* 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 ("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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1.	Name of	Reporting l	Persons		
	Sofinnov	a Crossove	r I SLP ("SC")		
2.			tte Box if a Member of a Group (see instructions)		
	(a)				
	(b)			\boxtimes	
3.	SEC USE ONLY				
4.	Source of	Funds (see	e instructions)		
	WC				
5.	Check if	Disclosure	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)		
6.	Citizensh	ip or Place	of Organization	_	
	France				
		7.	Sole Voting Power		
	Number of Shares Beneficially		5,264,739 ordinary shares; 6,948,613 voting rights, except that Sofinnova Par corporation ("SP SAS"), the management company of SC, may be deemed to Antoine Papiernik ("Papiernik"), Cédric Moreau ("Moreau"), Kinam Hong ("Anderson") and Jacques Theurillat ("Theurillat"), the members of the investe deemed to have shared power to vote these shares.	have sole voting power, and 'Hong"), Joseph Anderson	
	Owned by Each Reporting	8.	Shared Voting Power		
			See row 7.		
	Person With	9.	Sole Dispositive Power		
		10.	5,264,739 ordinary shares, except that SP SAS, the management company of sole power to dispose of these shares, and Papiernik, Moreau, Hong, Anderso of the investment committee of SC, may be deemed to have shared power to Shared Dispositive Power	on and Theurillat, the members	
			See row 9.		
11.	Aggregat	e Amount l	Beneficially Owned by Each Reporting Person		
	5,264,739	ordinary s	hares; 6,948,613 voting rights		
12.	Check if	the Aggreg	ate Amount in Row (11) Excludes Certain Shares (see instructions)		
13.	Percent o	f Class Rep	resented by Amount in Row 11		
	8.0% of t	he ordinary	shares (1); 9.5% of the voting rights (2)		
14.			erson (see instructions)		
	00				
addition filed wi (2) This	nal 3,048,825 shares) imn th the United States Secu	nediately af rities and E	1 shares of the Issuer's ordinary shares outstanding (including the Underwriter's ter the Issuer's initial public offering ("IPO"), as set forth in the Issuer's prospection (the "Commission") on October 23, 2023 (the "Prospectual 73,017,358 voting rights immediately after the Issuer's IPO (including the Und	etus pursuant to Rule 424(b)(4), s").	

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1	Nama of	Donouting D	ave and			
1.	name or	Reporting P	ersons			
			AS ("SP SAS")			
2.		e Appropria	te Box if a Member of a Group (see instructions)			
	(a) (b)					
3.	SEC USE ONLY					
4.	Source of Funds (see instructions)					
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5.		Disclosure o	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)			
6.	Citizensh	ip or Place o	of Organization			
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		7.	Sole Voting Power			
			5,264,739 ordinary shares; 6,948,613 voting rights. SP SAS, the management			
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	Shares		the investment committee of SC, may be deemed to have shared power to v	ote these shares.		
	Beneficially Owned by Each Reporting Person With	8.	Shared Voting Power			
			See row 7.			
		9.	Sole Dispositive Power			
			5,264,739 ordinary shares, except that SP SAS, the management company	of SC may be deemed to have		
			sole power to dispose of these shares, and Papiernik, Moreau, Hong, Ander			
			of the investment committee of SC, may be deemed to have shared power t	o dispose of these shares.		
		10.	Shared Dispositive Power			
			See row 9.			
11.	Aggregat	e Amount B	eneficially Owned by Each Reporting Person			
	5,264,739	ordinary sl	nares; 6,948,613 voting rights			
12.	Check if	the Aggrega	te Amount in Row (11) Excludes Certain Shares (see instructions)			
13.	Percent o	f Class Rep	resented by Amount in Row 11			
	8.0% of t	he ordinarv	shares (1); 9.5% of the voting rights (2)			
14.			rson (see instructions)			
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			1 shares of the Issuer's ordinary shares outstanding (including the Underwrite er the IPO, as set forth in the Prospectus.	r's option to purchase an		
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	percentage is calculated al 3,048,825 shares).	vaseu upon	73,017,358 voting rights immediately after the Issuer's IPO (including the U	nderwriter's option to purchase an		
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		apiernik ("					
2.		Appropria	te Box if a Member of a Group (see instructions)				
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4.	Source of	Funds (see	instructions)				
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5.	00 Check if I	Disclosure o	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)				
6.	Citizenshi	ip or Place	of Organization				
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		7.	Sole Voting Power				
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	Shares	8.	Shared Voting Power				
	Beneficially Owned by		5,264,739 ordinary shares; 6,948,613 voting rights. SP SAS, the management	nt company of SC, may be			
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			deemed to have shared power to vote these shares. 9. Sole Dispositive Power				
		9.	Sole Dispositive Power				
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		10.	Shared Dispositive Power				
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			dispose of these shares, and Papiernik, a member of the investment committ				
11.	Aggregate	Amount F	have shared power to dispose of these shares. eneficially Owned by Each Reporting Person				
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10			nares; 6,948,613 voting rights				
12.	Check if t	the Aggrega	te Amount in Row (11) Excludes Certain Shares (see instructions) \Box				
13.	Percent of	f Class Rep	resented by Amount in Row 11				
	8.0% of tl	ne ordinary	shares (1); 9.5% of the voting rights (2)				
14.	Type of R	eporting Pe	rson (see instructions)				
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			I shares of the Issuer's ordinary shares outstanding (including the Underwriter er the IPO, as set forth in the Prospectus.	's option to purchase an			
	percentage is calculated al 3,048,825 shares).	based upon	73,017,358 voting rights immediately after the Issuer's IPO (including the Un	derwriter's option to purchase an			

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				S			
1.	Name of	Reporting l	Persons				
	Cédric M	Ioreau ("Mo	oreau")				
2.	Check th	e Appropria	te Box if a Member of a Group (see instructions)				
	(a) (b)						
3.	SEC US	E ONLY		Δ			
4.	Source o	f Funds (see	instructions)				
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	France	7.	Sole Voting Power				
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	Number of Shares	8.	0 Shared Voting Power				
	Beneficially	0.	•				
	Owned by		5,264,739 ordinary shares; 6,948,613 voting rights. 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.				
	Each Reporting						
	Person With	9.	Sole Dispositive Power				
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		10.	0 Shared Dispositive Power				
		10.	Shaled Dispositive Fower				
			5,264,739 ordinary shares. SP SAS, the management company of SC, may be of				
			dispose of these shares, and Moreau, a member of the investment committee of shared power to dispose of these shares.	SC, may be deemed to have			
11.	Aggrega	e Amount I	Beneficially Owned by Each Reporting Person				
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13.	Dorcont o	of Class Dor	resented by Amount in Row 11				
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14.			shares (1); 9.5% of the voting rights (2) erson (see instructions)				
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			1 shares of the Issuer's ordinary shares outstanding (including the Underwriter's other the IPO, as set forth in the Prospectus.	option to purchase an			
(2) This	s percentage is calculated	based upor	73,017,358 voting rights immediately after the Issuer's IPO (including the Under	writer's option to purchase ar			
	nal 3,048,825 shares).	•					

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	27						
1.	Name of	Reporting I	Persons				
	Kinam H	ong ("Hong	")				
2.	Check th	e Appropria	te Box if a Member of a Group (see instructions)				
	(a) (b)						
3.	SEC USI	E ONLY					
4.	Source of	f Funds (see	instructions)				
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5.	Check if	Disclosure	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)				
6.	Citizensh	ip or Place	of Organization				
	United S	tates					
		7.	Sole Voting Power				
	Number of		0				
	Shares	8.	Shared Voting Power				
	Beneficially Owned by		E 264 720 ordinary charges 6 040 612 voting rights SD SAS, the management	company of SC may be			
	Each		5,264,739 ordinary shares; 6,948,613 voting rights. 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				
	Reporting		to have shared power to vote these shares.	, ,			
	Person With	9.	Sole Dispositive Power				
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		10.	Shared Dispositive Power				
			5,264,739 ordinary shares. SP SAS, the management company of SC, may be	deemed to have nower to			
			dispose of these shares, and Hong, a member of the investment committee of S				
11	A	. A T	shared power to dispose of these shares.				
11.	Aggregai	e Amount i	Beneficially Owned by Each Reporting Person				
			hares; 6,948,613 voting rights				
12.	Check if	the Aggreg	ate Amount in Row (11) Excludes Certain Shares (see instructions) \Box				
13.	Percent o	f Class Rep	resented by Amount in Row 11				
	8.0% of t	he ordinary	shares (1); 9.5% of the voting rights (2)				
14.			erson (see instructions)				
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			1 shares of the Issuer's ordinary shares outstanding (including the Underwriter's ter the IPO, as set forth in the Prospectus.	option to purchase an			
(2) This	nercentage is calculated	hased upon	73,017,358 voting rights immediately after the Issuer's IPO (including the Unde	rwriter's option to purchase an			
	ial 3,048,825 shares).	baseu upoi	173,017,550 Young rights infinediately after the issuer 5 fro (including the office	writer a option to purchase all			
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1.	Name of	Reporting 1	Persons	
	Joseph A	nderson ("A	Anderson")	
2.		e Appropria	ate Box if a Member of a Group (see instructions)	
	(a) (b)			
3.	SEC USI	E ONLY		
4.	Source o	f Funds (se	e instructions)	
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5.	Check if	Disclosure	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)	
5.	Citizensh	nip or Place	of Organization	
	United K	ingdom		
		7.	Sole Voting Power	
	Number of		0	
	Shares	8.	Shared Voting Power	
	Beneficially		5,264,739 ordinary shares; 6,948,613 voting rights. SP SAS, the management cor	many of SC may be
	Owned by Each		deemed to have sole voting power, and Anderson, a member of the investment co	
	Reporting		deemed to have shared power to vote these shares.	minuted of oct, may be
	Person With	9.	Sole Dispositive Power	
		10.	0 Shared Dispositive Power	
			5,264,739 ordinary shares. SP SAS, the management company of SC, may be decipose of these shares, and Anderson, a member of the investment committee of have shared power to dispose of these shares.	
11.	Aggrega	te Amount	Beneficially Owned by Each Reporting Person	
	5,264,73	9 ordinary s	shares; 6,948,613 voting rights	
12.			ate Amount in Row (11) Excludes Certain Shares (see instructions)	
13.	Percent o	of Class Rep	presented by Amount in Row 11	
	8.0% of t	the ordinary	shares (1); 9.5% of the voting rights (2)	
14.	Type of I	Reporting P	erson (see instructions)	
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			11 shares of the Issuer's ordinary shares outstanding (including the Underwriter's opereter the IPO, as set forth in the Prospectus.	tion to purchase an
	percentage is calculated al 3,048,825 shares).	based upor	n 73,017,358 voting rights immediately after the Issuer's IPO (including the Underw	riter's option to purchase an

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	N. (.)	D					
1.	Name of I	Reporting I	Persons				
	Jacques T	heurillat ("	Theurillat")				
2.	Check the	Appropria	te Box if a Member of a Group (see instructions)				
	(a) (b)						
3.	SEC USE	ONLY		<u></u>			
4.	Source of	Funds (see	e instructions)				
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5.		Disclosure	of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)				
6.	Citizenshi	ip or Place	of Organization				
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		7.	Sole Voting Power				
	Number of		0				
	Shares	8.	Shared Voting Power				
	Beneficially		5 264 520				
	Owned by Each	5,264,739 ordinary shares; 6,948,613 voting rights. 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					
	Reporting		deemed to have shared power to vote these shares.				
	Person With	9.	Sole Dispositive Power				
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		10.	Shared Dispositive Power				
			5,264,739 ordinary shares. SP SAS, the management company of SC, may be d	eemed to have sole nower to			
			dispose of these shares, and Theurillat, a member of the investment committee of have shared power to dispose of these shares.				
11.	Aggregate	e Amount I	Beneficially Owned by Each Reporting Person				
	5,264,739	ordinary s	hares; 6,948,613 voting rights				
12.			ate Amount in Row (11) Excludes Certain Shares (see instructions)	_			
13.	Percent of	f Class Rep	resented by Amount in Row 11				
	8.0% of th	ne ordinary	shares (1); 9.5% of the voting rights (2)				
14.	Type of R	eporting P	erson (see instructions)				
	IN						
			1 shares of the Issuer's ordinary shares outstanding (including the Underwriter's of ter the IPO, as set forth in the Prospectus.	ption to purchase an			
(2) This	percentage is calculated	based upor	173,017,358 voting rights immediately after the Issuer's IPO (including the Under	writer's option to purchase an			
	nal 3,048,825 shares).		, , ,	F			

Item 1. Security and Issuer

This Statement on Schedule 13D (the "Schedule 13D") relates to the Ordinary Shares, par value €0.01 per share (the "Ordinary Shares") of Abivax SA, a *société anonyme* incorporated under the laws of the French Republic (the "Issuer"). The Issuer's principal executive offices are located at 7-11 boulevard Haussman, 75009 Paris, France.

Item 2. Identity and Background

- (a) The persons and entities filing this Schedule 13D are Sofinnova Crossover I SLP ("SC"), Sofinnova Partners SAS, a French corporation ("SP SAS"), and Antoine Papiernik ("Papiernik"), Cédric 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").
- (b) The address of the principal place of business for each of the Reporting Persons is Sofinnova Partners, 7-11 boulevard Haussmann, 75009 Paris, France.
- (c) The principal occupation of each of the Reporting Persons is the venture capital investment business. Each of the Listed Persons is employed at the offices of Sofinnova Partners, 7-11 boulevard Haussmann, 75009 Paris, France.
- (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) SC is a French Partnership. SP SAS is a French Corporation. Messrs. Papiernik and Moreau are citizens of the French Republic. Mr. Hong is a citizen of the United States of America. Mr. Anderson is a citizen of the United Kingdom. Mr. Theurillat is a citizen of the Swiss Confederation.

Item 3. Source and Amount of Funds or Other Consideration.

As described below in Item 4, on October 20, 2023, SC purchased a total of 1,200,000 of the Issuer's American Depositary Shares ("ADS"), each ADS representing the right to receive one Ordinary Share, at \$11.60 per share for an aggregate purchase price of \$13,920,000. SC used its working capital to purchase the ADSs. In addition, SC used its working capital for the Ordinary Shares previously acquired by SC.

Item 4. Purpose of Transaction.

The Reporting Persons acquired their positions in the Ordinary Shares for investment purposes. The Reporting Persons acquired the Ordinary Shares and ADSs from the Issuer through a combination of private placements prior to the Issuer becoming a public company and the Issuer's initial public offering (the "IPO"). On October 20, 2023, as part of the Issuer's IPO which closed on October 24, 2023, SC purchased a total of 1,200,000 of the ADSs, at the IPO price (\$11.60 per share), for an aggregate purchase price of \$13,920,000. Prior to the IPO, SC purchased an aggregate of 4,064,739 Ordinary Shares at an aggregate purchase price of approximately €38,154,217.

Mr. Hong serves as a member of the Board of Directors of the Issuer, and, in such capacity, may have influence over the corporate activities of the Issuer, including activities which may relate to items described in subparagraphs (a) through (j) of Item 4 of Schedule 13D. In addition, Mr. Hong, in his capacity as a director, may be entitled to receive cash attendance fees.

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.

As of October 27, 2023, SC held directly 5,264,739 Ordinary Shares representing approximately 8.0% of the Issuer's outstanding Ordinary Shares and 6,948,613 voting rights representing approximately 9.5% 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 Antoine Papiernik, Cédric 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 65,943,541 of the Issuer's Ordinary Shares outstanding (including the Underwriter's option to purchase an additional 3,048,825 shares) immediately after the Issuer's IPO, as set forth in the Issuer's prospectus pursuant to Rule 424(b)(4), filed with the United States Securities and Exchange Commission on October 23, 2023 (the "Prospectus"). The voting percentages are based upon 73,017,358 voting rights outstanding immediately after the Issuer's IPO (including the Underwriter's option to purchase an additional 3,048,825 shares).

- (a) See Rows 11 and 13 of the cover page for each of the Reporting Persons, which information is incorporated herein by reference.
- (b) See Rows 7, 8, 9, and 10 of the cover page for each Reporting Person, which information is incorporated herein by reference.
- (c) See Item 3 above, which information is incorporated herein by reference.
- (d) Not applicable.
- (e) Not applicable.

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

Kinam Hong, a member of the investment committee of SC, is a member of the Issuer's Board of Directors.

SC agreed that, subject to specified limited exceptions, for a period of 90 days from the date of the Prospectus, it would not, without the prior written consent of Morgan Stanley & Co. LLC and Leerink Partners LLC, offer, sell, contract to sell, pledge or otherwise dispose of, including the filing of a registration statement in respect of, or hedge any of their Ordinary Shares or ADSs or any securities convertible into, or exercisable or exchangeable for Ordinary Shares or ADSs; subject to certain exceptions as set forth in a Lock-Up Agreement. Morgan Stanley & Co. LLC and Leerink Partners LLC, in their sole discretion may release any of the securities subject to the Lock-Up Agreement at any time, which, in the case of officers and directors, shall be with notice.

Item 7. Material to Be Filed as Exhibits.

Exhibit No. Description

- Agreement regarding filing of joint Schedule 13D. <u>99.1</u>
- Form of Lock-Up Agreement entered into by and among the Issuer, the underwriters and certain others, filed on October 18, 2023 99.2 as Exhibit A to the Underwriting Agreement filed as Exhibit 1.1 to Amendment No. 2 to the Issuer's Registration Statement on Form S-1/A filed with the SEC on October 18, 2023 (File No. 333-274780).

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.

Dated: October 30, 2023

SOFINNOVA CROSSOVER I SLP

By: Sofinnova Partners SAS /s/ Antoine Papiernik

Name: Antoine Papiernik Title: Managing Partner

SOFINNOVA PARTNERS SAS

By: /s/ Antoine Papiernik

Name: Antoine Papiernik Title: Managing Partner

By: /s/ Antoine Papiernik /s/ Cédric Moreau

Name: Antoine Papiernik Name: Cédric Moreau

By: /s/ Kinam Hong By: /s/ Joseph Anderson

Name: Joseph Anderson Name: Kinam Hong

By: /s/ Jacques Theurillat

Name: Jacques Theurillat

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13D (including amendments thereto) with respect to the Ordinary Shares of Abivax SA and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 30th day of October, 2023.

SOFINNOVA CROSSOVER I SLP			SOFINNOVA PARTNERS SAS		
Ву:	Sofinnova Partners SAS		/s/ Antoine Papiernik Antoine Papiernik Managing Partner		
Name:	/s/ Antoine Papiernik Antoine Papiernik Managing Partner				
-	/s/ Antoine Papiernik Antoine Papiernik	By: Name:	/s/ Cédric Moreau Cédric Moreau		
-	/s/ Kinam Hong Kinam Hong	By: Name:	/s/ Joseph Anderson Joseph Anderson		
	/s/ Jacques Theurillat Jacques Theurillat				