(Last)

(Street)

(City)

1 SANSOME ST 30TH FL

SAN FRANCISCO CA

(First)

(State)

1. Name and Address of Reporting Person^{\star}

(Middle)

94104

(Zip)

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

wasnington,	D.C. 205

OMB APPROVAL

OMB Number: 3235-0287

Check this box if no longer subject to

obligati لــ	in 16. Form 4 or ions may contii tion 1(b).			File							es Exchanç npany Act o			1		ll ll	per response:	
. Name and Address of Reporting Person* BVF PARTNERS L P/IL				2. Issuer Name and Ticker or Trading Symbol Xenon Pharmaceuticals Inc. [XENE] 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner														
(Last) 1 SANS(30TH FL	OME ST	rst) ((Middle)		Date (st Trans	saction (N	lonth/	Day/Year)				Offic belov	er (give title w)		ner (specify low)	
Street) SAN FRANCI	sco C	A 9	94104		- 4. 11	f Ame	endment	, Date o	of Origina	l Filed	(Month/Da	y/Year	·)	Line	e) Forn	n filed by On n filed by Mo	o Filing (Cheo e Reporting F re than One I	Person
(City)	(S		(Zip)															
		Tab	le I - Noi	1					-	Dis	posed o				-			
. Title of Security (Instr. 3) 2. Transa Date (Month/D			Execution Date,		Code	action (Instr.			(A) or 3, 4 and	I Securi Benefi	ties cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect					
									Code	v	Amount	(/	A) or D)	Price	Transa	action(s) 3 and 4)		(11131114)
Common	Stock, no p	ar value per sha	re ⁽¹⁾	06/2	7/2017	7			P		46,795	5	Α	\$4	1,6	35,032	D ⁽²⁾	
Common	Stock, no p	ar value per sha	re ⁽¹⁾	06/2	7/2017	7			P		30,170)	Α	\$4	1,0	56,928	D ⁽³⁾	
Common Stock, no par value per share ⁽¹⁾ 06/27/2			7/2017	2017		P		8,496	,496 A		\$4	297,464		D ⁽⁴⁾				
		Ta	able II - I	Derivat	ive S	ecu	rities	Acqu	ired, D	ispo	sed of, o	or Be	enefic	ially	Owned			
Title of 2. 3. Transaction 3A. Deemed Execution Date Execution Date, or Exercise (Month/Day/Year) if any		4. Transa	I. 5. Number of Ocide (Instr. Derivative		mber rative rities ired r osed)	6. Date Exercisal Expiration Date (Month/Day/Year		sable and e	retible securities and 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		8 5 (3. Price of Derivative Security Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersl Form: Direct (D or Indire (I) (Instr.	Beneficial Ownership ct (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amo or Num of Shar	ber				
	nd Address of	Reporting Person* S L P/IL																
(Last) 1 SANS(30TH FL		(First)	(Midd	dle)														
Street)	ANCISCO	CA	9410	04		_												
(City)		(State)	(Zip)															
		Reporting Person*	FUND	<u>L P</u>														

BIOTECHNOLOGY VALUE FUND II LP								
(Last) 1 SANSOME ST 30TH FL	(First)	(Middle)						
(Street) SAN FRANCISCO	CA	94104						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person* <u>Biotechnology Value Trading Fund OS LP</u>								
(Last) P.O. BOX 309 UGL	(First) AND HOUSE	(Middle)						
(Street) GRAND CAYMAN	E9	KY1-1104						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person* BVF Partners OS Ltd.								
(Last) P.O. BOX 309 UGL	(First) AND HOUSE	(Middle)						
(Street) GRAND CAYMAN	E9	KY1-1104						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person* BVF INC/IL								
(Last) 1 SANSOME ST 30TH FL	(First)	(Middle)						
(Street) SAN FRANCISCO	CA	94104						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person* LAMPERT MARK N								
(Last) 1 SANSOME ST 30TH FL	(First)	(Middle)						
(Street) SAN FRANCISCO	CA	94104						
(City)	(State)	(Zip)						

Explanation of Responses:

- 1. This Form 4 is filed jointly by Biotechnology Value Fund, L.P. ("BVF"), Biotechnology Value Fund II, L.P. ("BVF2"), Biotechnology Value Trading Fund OS LP ("Trading Fund OS"), BVF Partners OS Ltd. ("Partners OS"), BVF Partners L.P. ("Partners"), BVF Inc. and Mark N. Lampert (collectively, the "Reporting Persons"). Each of the Reporting Persons is a member of a Section 13(d) group that collectively owns more than 10% of the Issuer's outstanding shares of Common Stock. Each of the Reporting Persons disclaims beneficial ownership of the shares of Common Stock reported herein except to the extent of his or its negative interest therein
- 2. Shares of Common Stock owned directly by BVF. As the general partner of BVF, Partners may be deemed to beneficially own the shares of Common Stock owned directly by BVF. As the investment adviser and general partner of Partners, BVF Inc., may be deemed to beneficially own the shares of Common Stock owned directly by BVF. As a director and officer of BVF Inc., Mr. Lampert may be deemed to beneficially own the shares of Common Stock owned directly by BVF.
- 3. Shares of Common Stock owned directly by BVF2. As the general partner of BVF2, Partners may be deemed to beneficially own the shares of Common Stock owned directly by BVF2. As the investment adviser and general partner of Partners, BVF Inc., may be deemed to beneficially own the shares of Common Stock owned directly by BVF2. As a director and officer of BVF Inc., Mr. Lampert may be deemed to beneficially own the shares of Common Stock owned directly by BVF2.
- 4. Shares of Common Stock owned directly by Trading Fund OS. As the general partner of Trading Fund OS, Partners OS may be deemed to beneficially own the shares of Common Stock owned directly by Trading Fund OS. As the investment manager of Trading Fund OS and the sole member of Partners OS, Partners may be deemed to beneficially own the shares of Common Stock owned directly by Trading Fund OS. As the investment adviser and general partner of Partners, BVF Inc. may be deemed to beneficially own the shares of Common Stock owned directly by Trading Fund OS. As a director and officer of BVF Inc., Mr. Lampert may be deemed to beneficially own the shares of Common Stock owned directly by Trading Fund OS.

06/29/2017 BVF Partners L.P., By: BVF Inc., its general partner, By: /s/ Mark N. Lampert, President Biotechnology Value Fund, L.P., By: BVF Partners L.P., its general partner, By: BVF Inc., 06/29/2017 its general partner, By: /s/ Mark N. Lampert, President Biotechnology Value Fund II, L.P., By: BVF Partners L.P., its general partner, By: BVF Inc., 06/29/2017 its general partner, By: /s/ Mark N. Lampert, President BVF Partners OS Ltd., By: BVF Partners L.P., its sole member, By: BVF Inc., its 06/29/2017 general partner, By: /s/ Mark N. Lampert, President Biotechnology Value Trading Fund OS LP, By: BVF Partners L.P., its investment manager, 06/29/2017 BVF Inc., its general partner, By: /s/ Mark N. Lampert, **President** BVF Inc., By: /s/ Mark N. 06/29/2017 Lampert, President /s/ Mark N. Lampert 06/29/2017 ** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

 $^{^{\}star}$ If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).