BOX INC										
Form 4										
June 22, 201	6									
FORM	14								OMB AF	PPROVAL
	UNITED	STATES		AITIES A Shington,			NGE C	COMMISSION	OMB Number:	3235-0287
Check th if no long	10t								Expires:	January 31, 2005
subject to		MENT O	F CHAN	GES IN BENEFICIAL OWNERSHIP OF			Estimated average			
Section 1				SECUR	ITIES				burden hou	rs per
Form 4 c Form 5		rement to	Section 1	6(a) of the	a Sacurit	ios E	vohona	a Act of 1034	response	0.5
obligatio	ns Section 17						-	e Act of 1934, 1935 or Section	n	
may cont See Instr	linue.			vestment	•	· ·			u	
1(b).	uction	()			F	<i>j</i>				
(Print or Type l	Responses)									
1 Name and A	Address of Reporting	Derson *	2.1		T : 1			5 Delationship of	Paparting Dars	on(s) to
McGoff Pet			2. Issuer Symbol	er Name and Ticker or Trading			5. Relationship of Reporting Person(s) to Issuer			
			•	IC [BOX]	L					
(Last)	(First) (Middle)		Earliest Tr				(Chec	k all applicable	2)
(Last)	(11131)	(white)	(Month/D		ansaction			Director	10%	Owner
900 JEFFEI	RSON AVENUE	2		06/20/2016			Officer (give title Other (specify below)			
								· · · · · · · · · · · · · · · · · · ·	below) Counsel & Sec	retary
	(Street)		4 If Ame	ndment, Da	te Origina	1		6. Individual or Jo		-
				th/Day/Year)	-	•		Applicable Line)	ind Group I him	G(Check
				•				_X_ Form filed by C		
REDWOOI	D CITY, CA 940	63						Form filed by M Person	lore than One Re	porting
(City)	(State)	(Zip)	Tabl	o I Non D	animatina	Com	iting A ag	wined Disposed of	on Donoficial	ly Ormod
		-					_	uired, Disposed of		-
1.Title of Security	2. Transaction Dat (Month/Day/Year)		med on Date, if	3. Transactio	4. Securi			5. Amount of Securities	6. Ownership Form: Direct	
(Instr. 3)	(intoining Duy) i cui	any	Jii Dute, Ii	Code	(Instr. 3,	-		Beneficially	(D) or	Beneficial
		(Month/	Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
								Following Reported	(Instr. 4)	(Instr. 4)
						(A) or		Transaction(s)		
				Code V	Amount		Price	(Instr. 3 and 4)		
Class A							\$			
Common	06/20/2016			F	735 <u>(1)</u>	D	\$ 11.55	196,679 <u>(2)</u> <u>(3)</u>	D	
Stock							11.55			

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

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 control number.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and A Underlying S (Instr. 3 and	Securities	8. Price Derivati Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Class B Common Stock	<u>(4)</u>				(4)	(4)	Class A Common Stock	157,752	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
McGoff Peter M			SVP, Gen				
900 JEFFERSON AVENUE			Counsel &				
REDWOOD CITY, CA 94063			Secretary				
••							

Signatures

**Signature of

Reporting Person

/s/ Peter McGoff 06/22/2016

Date

Explanation of Responses:

- * 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).
- (1) Represents shares that have been withheld by the Issuer to satisfy its income tax and withholding and remittance obligations in connection with the net settlement of restricted stock units (RSUs) and does not represent a sale by the Reporting Person.

Includes 18,360 RSUs that represent contingent rights to receive 18,360 shares of the Issuer's Class B Common Stock upon settlement.(2) Each share of Class B Common Stock is convertible into one share of Class A Common Stock at the option of the holder and has no expiration date.

- (3) Includes 175,000 RSUs that represent contingent rights to receive 175,000 shares of the Issuer's Class A Common Stock upon settlement.
- (4) Each share of Class B Common Stock is convertible into one share of Class A Common Stock at the option of the holder and has no expiration date.
- (5) Includes 1,218 shares of Class B Common Stock issued in connection with the net settlement of RSUs on June 20, 2016.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number. 10pt">6

CUSIP NO. 98420N 10 5

1 NAME OF REPORTING PERSON

Reporting Owners

2 3	BVF Inc. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY			(a) x (b) o	
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
NUMBER OF SHARES	Delaware	5	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH		6	0 shares SHARED VOTING POWER		
REPORTING PERSON WITH		7	821,264 SOLE DISPOSITIVE POWER		
	8	8	0 shares SHARED DISPOSITIVE POWE	R	
9	AGGREGATE A		821,264 EFICIALLY OWNED BY EACH	REPORTING PERSON	
10	821,264 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

5.8%

12 TYPE OF REPORTING PERSON

CO

7

1	NAME OF REPORTING PERSON	
	Mark N. Lampert	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A	(a) x
	GROUP	(b) o
3	SEC USE ONLY	

4 CITIZENSHIP OR PLACE OF ORGANIZATION

	United States		
NUMBER OF		5	SOLE VOTING POWER
SHARES			
BENEFICIALLY	r		0 shares
OWNED BY		6	SHARED VOTING POWER
EACH			
REPORTING			821,264
PERSON WITH		7	SOLE DISPOSITIVE POWER
			0 shares
		8	SHARED DISPOSITIVE POWER

821,264

9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
10	821,264 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
	5.8%

12 TYPE OF REPORTING PERSON

IN

8

CUSIP NO. 98420N 10 5

Item 1(a).

Name of Issuer:

Xenon Pharmaceuticals Inc., a British Columbia corporation (the "Issuer").

Item 1(b).

Address of Issuer's Principal Executive Offices:

200-3650 Gilmore Way Burnaby, British Columbia Canada V5G 4W8

Item 2(a).Name of Person FilingItem 2(b).Address of Principal Business Office or, if None, ResidenceItem 2(c).Citizenship

Biotechnology Value Fund, L.P. ("BVF") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

Investment 10, L.L.C. ("ILL10") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Illinois

MSI BVF SPV, LLC ("MSI") c/o Magnitude Capital, LLC 601 Lexington Avenue, 59th Floor New York, NY 10022 Citizenship: Delaware

BVF Partners L.P. ("Partners") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

BVF Inc. 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: United States

Explanation of Responses:

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d).

Title of Class of Securities:

CUSIP Number:

Common Shares, no par value per share (the "Common Stock")

Item 2(e).

98420N 10 5

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:

		/x/ Not applicable.				
(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 as defined in Section $3(a)(19)$ of the Exchange Act.				
(d)	// In	vestment 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 emplo	byee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).				
(g)	// A parent	t holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).				
(h)	// A savi	ngs association as defined in Section 3(b) of the Federal Deposit Insurance Act.				
	n plan that is exc ent Company Ac	cluded from the definition of an investment company under Section $3(c)(14)$ of the ct.				
	(j)	// Group, in accordance with Rule 13d-1(b)(1)(ii)(J).				
(k)//Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:						
Item 4.		Ownership				
	(;	a) Amount beneficially owned:				

As of the close of business on July 10, 2015 (i) BVF beneficially owned 400,471 shares of Common Stock, (ii) BVF2 beneficially owned 229,601 shares of Common Stock, (iii) ILL10 beneficially owned 73,793 shares of Common Stock, and (iv) MSI beneficially owned 117,399 shares of Common Stock.

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CUSIP NO. 98420N 10 5

Partners, as the general partner of BVF and BVF2 and the investment adviser of ILL10 and MSI may be deemed to beneficially own 821,264 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, ILL10 and MSI.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 821,264 shares of Common Stock beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 821,264 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, ILL10 and MSI and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b)

Percent of class:

The following percentages are based on 14,228,536 shares of Common Stock outstanding as of May 11, 2015, as disclosed in the Issuer's Quarterly Report filed on Form 10-Q with the Securities and Exchange Commission on May 12, 2015.

As of the close of business on July 10, 2015, (i) BVF beneficially owned approximately 2.8% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 1.6% of the outstanding shares of Common Stock, (iii) ILL10 beneficially owned less than 1% of the outstanding shares of Common Stock, (iv) MSI beneficially owned less than 1% of the outstanding shares of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 5.8% of the outstanding shares of 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.
	s statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the icial owner of more than five percent of the class of securities, check the following [].
Item	6. Ownership of More than Five Percent on Behalf of Another Person.
Not A	Applicable.
Item 7.	Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.
Not A	Applicable.
Item	8. Identification and Classification of Members of the Group.
See E	xhibit 99.1.
Item	9. Notice of Dissolution of Group.
Not A	Applicable.
Item	10. Certifications.
• •	gning below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred ove 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.

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SIGNATURE

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

Dated: July 10, 2015

BIOTECHNOLOG	GY VALUE FUND, L.P.	INVESTMENT 10, L.L.C.			
By:	BVF Partners L.P., its general	By:	BVF Partners L.P., its investment adviser		
By:	partner BVF Inc., its general partner	By:	BVF Inc., its general partner		
By:	/s/ Mark N. Lampert Mark N. Lampert President	Ву:	/s/ Mark N. Lampert Mark N. Lampert President		
BIOTECHNOLOG	GY VALUE FUND II, L.P.	MSI BVF SPV, LLC			
By:	BVF Partners L.P., its general	By:	BVF Partners L.P., its investment		
By:	partner BVF Inc., its general partner	By:	adviser BVF Inc., its general partner		
By:	/s/ Mark N. Lampert Mark N. Lampert President	Ву:	/s/ Mark N. Lampert Mark N. Lampert President		
		BVF INC.			
BVF PARTNERS	L.P.	By:	/s/ Mark N. Lampert		
By:	BVF Inc., its general partner		Mark N. Lampert President		
Ву:	/s/ Mark N. Lampert Mark N. Lampert President		/s/ Mark N. Lampert MARK N. LAMPERT		
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