OMB APPROVAL				
OMB Number: 3235-0145				
Expires: February 28, 2010				
Estimated average burden				
hours per respons	se 10.4			

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (AMENDMENT NO 1)*

Xenon Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock (Title of Class of Securities)

> 98420N105 (CUSIP Number)

December 31, 2015 (Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☐ Rule 13d-1(c)

☒ Rule 13d-1(d)

* 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 the disclosures provided in a prior cover page.

The information required in 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).

Cusip No	. 98420N1	.05	13G	Page 2 of 14 Pages					
1	NAME ()F F	EPORTING PERSONS						
	InterWes	t Pa	rtners VII, LP						
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)						
2	CHECK	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP							
	(a) □	(t	o) 🗆						
3	SEC USI	E O	NLY						
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION						
	Californi	a							
		5	SOLE VOTING POWER						
NII IN A	BER OF		767,187						
	ARES	6	SHARED VOTING POWER						
	AKES FICIALLY								
	NED BY		0						
	ORTING	7	SOLE DISPOSITIVE POWER						
PE	RSON								
WITH			767,187						
		8	SHARED DISPOSITIVE POWER						
			0						
9	AGGRE	GA7	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	ECE 40E								
10	767,187	D.C.	WHETHE ACCRECATE ANOTHER BY DOLLARS EVEN THE CORP.						
10	CHECK	RO.	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:						

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

12

5.3%

PN

Cusip No	. 98420N1	05	13G	Page 3 of 14 Pages
1	InterWest	In	REPORTING PERSONS vestors VII, LP FIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
2			E APPROPRIATE BOX IF A MEMBER OF A GROUP	
_	(a) 🗆	(l	o)	
3	SEC USE	. O	NLY	
4	CITIZEN	SH	IP OR PLACE OF ORGANIZATION	
	California	a		
		5	SOLE VOTING POWER 36,738	
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH		6	SHARED VOTING POWER 0	
		7	SOLE DISPOSITIVE POWER 36,738	
		8	SHARED DISPOSITIVE POWER 0	
9	AGGRE0 36,738	GAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10		во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11		T (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	

0.3%

PN

1							
1			REPORTING PERSONS anagement Partners VII, LLC (the General Partner of InterWest Partners VII, LP and InterWest Investors VII, LP)				
	I.R.S. ID	R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)					
2			E APPROPRIATE BOX IF A MEMBER OF A GROUP				
	(a) 🗆	(b)				
3	SEC USI	ΕΟ	NLY				
4	CITIZEN	ISF	IIP OR PLACE OF ORGANIZATION				
	Californi	a					
		5	SOLE VOTING POWER				
			803,925				
NUMBER OF SHARES		6	SHARED VOTING POWER				
	FICIALLY		0				
	NED BY ORTING	7	SOLE DISPOSITIVE POWER				
	RSON VITH		803,925				
		8	SHARED DISPOSITIVE POWER				
			0				
9	AGGRE	GA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	803,925						
10	CHECK	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
11	PERCEN	IT (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	5.6%						
12	TYPE O	F R	EPORTING PERSON				
	00						
1							

Cusip No	o. 98420N1	05	13G	Page 5 of 14 Pages			
1		OF REPORTING PERSONS est Venture Management Company					
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) □ (b) □						
3	SEC USE	E O	NLY				
4	CITIZEN	SH	IP OR PLACE OF ORGANIZATION				
	California	a					
		5	SOLE VOTING POWER				
			2,136				
	IBER OF IARES	6	SHARED VOTING POWER				
BENE	FICIALLY		0				
	NED BY ORTING	7	SOLE DISPOSITIVE POWER				
	RSON		2,136				
WITH		8	SHARED DISPOSITIVE POWER				
			0				
9	AGGREO	GΑ	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	2,136						
10		во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
11	□ PERCEN	T (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

Kliman and Oronsky each serve as an officer and director of InterWest Venture Management Company ("IVMC") and share voting and dispositive power over the shares owned by IVMC and may be deemed beneficially to own the shares held by IVMC.

0.01%

CO

12

Cusip No	. 98420N1	.05	13G	Page 6 of 14 Pages
1			REPORTING PERSONS ash (a Managing Director of InterWest Management Partners VII, LLC)	
			TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □	
3	SEC USI	Ε Ο	NLY	
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION	
	United S	tate	5	
		5	SOLE VOTING POWER	
			0	
_	BER OF ARES	6	SHARED VOTING POWER	
BENE	FICIALLY NED BY		803,925	
	ORTING	7	SOLE DISPOSITIVE POWER	
	RSON		0	
\ \ \ \	/ITH	8	SHARED DISPOSITIVE POWER	
			803,925	
9	AGGRE	GA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	803,925			
10	CHECK	во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCEN	T (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Harvey B. Cash that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

5.6%

IN

Cusip No	. 98420N1	.05	13G	Page 7 of 14 Pages	
1			REPORTING PERSONS nos (a Managing Director of InterWest Management Partners VII, LLC)		
	I.R.S. ID	EN	ΓΙFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)		
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □		
3	SEC USI	ΞO	NLY		
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION		
	United S	tate	;		
		5	SOLE VOTING POWER		
			0		
_	BER OF ARES	6	SHARED VOTING POWER		
BENE	FICIALLY		803,925		
	NED BY ORTING	7	SOLE DISPOSITIVE POWER		
	RSON		0		
, v	/ITH	8	SHARED DISPOSITIVE POWER		
			803,925		
9	AGGRE	GA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	803,925				
10		ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Philip T. Gianos that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

5.6%

IN

Cusip No	o. 98420N1	.05	13G	Page 8 of 14 Page
1			EPORTING PERSONS Iolmes III (a Managing Director of InterWest Management Partners VII, LLC)	
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP) □	
3	SEC USI	E O	īLY	
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION	
	United St	tate		
		5	SOLE VOTING POWER	
			0	
_	IBER OF	6	SHARED VOTING POWER	
BENE	FICIALLY		803,925	
	NED BY ORTING	7	SOLE DISPOSITIVE POWER	
	ERSON WITH		0	
ľ	WIII	8	SHARED DISPOSITIVE POWER	
			803,925	
9	AGGRE	GA	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	803,925			
10		во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCEN	T	F CLASS REPRESENTED BY AMOUNT IN ROW (9)	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by W. Stephen Holmes III that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

5.6%

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Cusip No	. 98420N1	05	13G	Page 9 of 14 Pages			
1			REPORTING PERSONS Liman (a Managing Director of InterWest Management Partners VII, LLC)				
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \Box (b) \Box						
3	SEC USE	Ε Ο	NLY				
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION				
	United St	ate	;				
NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH		5678	SOLE VOTING POWER 0 SHARED VOTING POWER 806,061 SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 806,061				
9	AGGRE0 806,061	GAT.	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10	CHECK :	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
11	DEDCEN	т	DE CLASS DEDDESENTED DV AMOUNT IN DOW (0)				

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Gilbert H. Kliman that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

5.6%

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Cusip No	. 98420N1	05	13G	Page 10 of 14 Pages
1			EPORTING PERSONS onsky (a Managing Director of InterWest Management Partners VII, LLC)	
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP □ □	
3	SEC USE	E O	NLY	
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION	
	United St	ate		
		5	SOLE VOTING POWER	
			0	
_	BER OF ARES	6	SHARED VOTING POWER	
BENEI	FICIALLY		806,061	
	NED BY ORTING	7	SOLE DISPOSITIVE POWER	
PE	RSON		0	
W	/ITH	8	SHARED DISPOSITIVE POWER	
0	A CCDE	2.45	806,061	
9	AGGRE	JΑ	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	806,061			
10	CHECK	во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCEN	T (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Arnold L. Oronsky that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

5.6%

12

ITEM 1.

- (a) NAME OF ISSUER: Xenon Pharmaceuticals, Inc.
- (b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICE:

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

ITEM 2.

(c)

(a) NAME OF PERSON(S) FILING:

InterWest Partners VII, LP ("IWP VII")
InterWest Investors VII, LP ("II VII")
InterWest Management Partners VII, LLC ("IMP VII")
InterWest Venture Management Company ("IVMC")
Harvey B. Cash ("Cash")
Philip T. Gianos ("Gianos")
W. Stephen Holmes III ("Holmes")
Gilbert H. Kliman ("Kliman")
Arnold L. Oronsky ("Oronsky")

b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

2710 Sand Hill Road, Suite 200, Menlo Park, CA 94025

CITIZENSHIP/PLACE OF ORGANIZATION:

IWP VII: California II VII: California IMP VII: California IVMC: California Cash: United States Gianos: **United States** Holmes: **United States United States** Kliman: United States Oronsky:

Page 11 of 14 Pages

- (d) TITLE OF CLASS OF SECURITIES: Common Stock
- (e) CUSIP NUMBER: 98420N105

ITEM 3. NOT APPLICABLE.

ITEM 4. OWNERSHIP.

	IWP VII	II VII	IMP VII (1)	IVMC (2)
Beneficial Ownership	767,187	36,738	803,925	2,136
Percentage of Class	5.3%	0.3%	5.6%	0.01%
Sole Voting Power	767,187	36,738	803,925	2,136
Shared Voting Power	0	0	0	0
Sole Dispositive Power	767,187	36,738	803,925	2,136
Shared Dispositive Power	0	0	0	0

	Cash (3)	Gianos (3)	Holmes (3)
Beneficial Ownership	803,925	803,925	803,925
Percentage of Class	5.6%	5.6%	5.6%
Sole Voting Power	0	0	0
Shared Voting Power	803,925	803,925	803,925
Sole Dispositive Power	0	0	0
Shared Dispositive Power	803.925	803.925	803,925

	Kliman (2)(3)	Oronsky (2)(3)
Beneficial Ownership	806,061	806,061
Percentage of Class	5.6%	5.6%
Sole Voting Power	0	0
Shared Voting Power	806,061	806,061
Sole Dispositive Power	0	0
Shared Dispositive Power	806,061	806,061

- (1) IMP VII is the general partner of IWP VII and II VII.
- (2) Kliman and Oronsky each serve as an officer and director of InterWest Venture Management Company ("IVMC") and share voting and dispositive power over the shares owned by IVMC and may be deemed beneficially to own the shares held by IVMC.
- (3) Cash, Gianos, Holmes, Kliman, and Oronsky are Managing Directors of IMP VII and share voting and investment control over shares held by IWP VII and II VII. Beneficial ownership is expressly disclaimed, except to the extent of their pecuniary interest.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Under certain circumstances set forth in the limited liability company operating agreement of IMP VII, the members of such limited liability company have the right to receive dividends from, or the proceeds from the sale of, the common stock of Issuer beneficially owned by such limited liability company.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

No reporting person is a member of a group as defined in section 240.13d-1(b)(1)(iii)(H) of the Act.

ITEM 9. NOTICE OF DISSOLUTION OF THE GROUP.

Not applicable.

ITEM 10. CERTIFICATION.

Not applicable.

EXHIBITS

Joint Filing Statement attached as Exhibit A.

Page 13 of 14 Pages

SIGNATURE

After r	easonable inquiry and to the best of my knowledge and belief, I certify t	hat the i	nformation set forth in this statement is true, complete and correct.
Date: I	February 12, 2016		
		INTE	RWEST PARTNERS VII, LP
By:	/s/ Harvey B. Cash		
Name:	Harvey B. Cash	By:	InterWest Management Partners VII, LLC its General Partner
By:	/s/ Philip T. Gianos		
Name:	Philip T. Gianos		By: /s/ Gilbert H. Kliman Managing Director
By:	/s/ W. Stephen Holmes		
-	W. Stephen Holmes III	INTE	RWEST INVESTORS VII, LP
By:	/s/ Gilbert H. Kliman	By:	InterWest Management Partners VII, LLC
Name:	Gilbert H. Kliman		its General Partner
By:	/s/ Arnold L. Oronsky		By: /s/ Gilbert H. Kliman
-	Arnold L. Oronsky		Managing Director
		INTE	RWEST MANAGEMENT PARTNERS VII, LLC
		By:	/s/ Gilbert H. Kliman
			Managing Director

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INTERWEST VENTURE MANAGEMENT COMPANY

By: /s/ Gilbert H. Kliman
Secretary

EXHIBIT A

Joint Filing Statement

We, the undersigned, hereby express our agreement that the attached Schedule 13G is filed on behalf of each of us.

Date: February 12, 2016

By: /s/ Harvey B. Cash
Name: Harvey B. Cash

By: /s/ Philip T. Gianos
Name: Philip T. Gianos

By: /s/ W. Stephen Holmes
Name: W. Stephen Holmes III

By: /s/ Gilbert H. Kliman

Name: Gilbert H. Kliman

By: /s/ Arnold L. Oronsky

Name: Arnold L. Oronsky

INTERWEST PARTNERS VII, LP

By: InterWest Management Partners VII, LLC

its General Partner

By: /s/ Gilbert H. Kliman

Managing Director

INTERWEST INVESTORS VII, LP

By: InterWest Management Partners VII, LLC

its General Partner

By: /s/ Gilbert H. Kliman

Managing Director

INTERWEST MANAGEMENT PARTNERS VII, LLC

By: /s/ Gilbert H. Kliman

Managing Director

INTERWEST VENTURE MANAGEMENT COMPANY

By: /s/ Gilbert H. Kliman

Secretary