

Xenon Pharmaceuticals Inc.  
Form SC 13G/A  
February 12, 2016

OMB APPROVAL  
OMB Number 325-0145  
Expires February 28, 2010  
Estimated average burden  
hours per response 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. 98420N105

13G

Page 2 of 14 Pages

1 NAME OF REPORTING PERSONS

InterWest Partners VII, LP

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

5 SOLE VOTING POWER

NUMBER OF

767,187

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

0

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

767,187

WITH

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

767,187

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.3%

12 TYPE OF REPORTING PERSON

PN

1 NAME OF REPORTING PERSONS

InterWest Investors VII, LP

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

5 SOLE VOTING POWER

NUMBER OF

36,738

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

0

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

36,738

WITH

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

36,738

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.3%

12 TYPE OF REPORTING PERSON

PN

1 NAME OF REPORTING PERSONS

InterWest Management Partners VII, LLC (the General Partner of InterWest Partners VII, LP and InterWest Investors VII, LP)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

5 SOLE VOTING POWER

NUMBER OF

803,925

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

0

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

803,925

WITH

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

803,925

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

OO



1 NAME OF REPORTING PERSONS

InterWest Venture Management Company

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

5 SOLE VOTING POWER

NUMBER OF

2,136

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

0

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

2,136

WITH

8 SHARED DISPOSITIVE POWER

0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,136

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.01%

12 TYPE OF REPORTING PERSON

CO

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.

1 NAME OF REPORTING PERSONS

Harvey B. Cash (a Managing Director of InterWest Management Partners VII, LLC)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF

0

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

803,925

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

WITH

8 SHARED DISPOSITIVE POWER

803,925

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

803,925

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

IN

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.

1 NAME OF REPORTING PERSONS

Philip T. Gianos (a Managing Director of InterWest Management Partners VII, LLC)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF  
SHARES

0

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

803,925

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

WITH

8 SHARED DISPOSITIVE POWER

803,925

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

803,925

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

IN

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.

1 NAME OF REPORTING PERSONS

W. Stephen Holmes III (a Managing Director of InterWest Management Partners VII, LLC)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF

0

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

803,925

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

WITH

8 SHARED DISPOSITIVE POWER

803,925

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

803,925

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

IN

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.



1 NAME OF REPORTING PERSONS

Gilbert H. Kliman (a Managing Director of InterWest Management Partners VII, LLC)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF  
SHARES

0  
6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY 7 806,061  
SOLE DISPOSITIVE POWER

REPORTING

PERSON 0  
WITH 8 SHARED DISPOSITIVE POWER

9 806,061  
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10 806,061  
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

IN

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.

Cusip No. 98420N105

13G

Page 10 of 14 Pages

## 1 NAME OF REPORTING PERSONS

Arnold L. Oronsky (a Managing Director of InterWest Management Partners VII, LLC)

2 I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)  
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

## 3 SEC USE ONLY

## 4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF

0

SHARES

6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY

806,061

7 SOLE DISPOSITIVE POWER

REPORTING

PERSON

0

WITH

8 SHARED DISPOSITIVE POWER

9 806,061  
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON10 806,061  
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

..

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.6%

12 TYPE OF REPORTING PERSON

IN

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.

**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.**

(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

(c) **CITIZENSHIP/PLACE OF ORGANIZATION:**

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

Kliman: United States  
Oronsky: United States

Page 11 of 14 Pages

(d) **TITLE OF CLASS OF SECURITIES:** Common Stock

(e) **CUSIP NUMBER:** 98420N105

**ITEM 3. NOT APPLICABLE.**

**ITEM 4. OWNERSHIP.**

	<b>IWP VII</b>	<b>II VII</b>	<b>IMP VII (1)</b>	<b>IVMC (2)</b>
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

	<b>Cash (3)</b>	<b>Gianos (3)</b>	<b>Holmes (3)</b>
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

	<b>Kliman (2)(3)</b>	<b>Oronsky (2)(3)</b>
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.



**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.

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

