

Xenon Pharmaceuticals Inc.
Form SC 13G
July 03, 2018

SECURITIES
AND
EXCHANGE
COMMISSION
Washington,
D.C. 20549

SCHEDULE
13G

Under the
Securities
Exchange Act of
1934
(Amendment
No.)*

Xenon
Pharmaceuticals
Inc.
(Name of Issuer)

Common Shares,
without par
value
(Title of Class of
Securities)

98420N105
(CUSIP
Number)

June 29, 2018
(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)

ý Rule 13d-1(c)

“ Rule 13d-1(d)

(Page 1 of 12

Pages)

*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 12 Pages

| | |
|-----------|--|
| 1 | NAME OF REPORTING PERSON |
| | Adage Capital Partners, L.P. |
| | CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP |
| 2 | |
| 3 | SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION |
| | Delaware |
| 4 | SOLE VOTING POWER |
| | 0 SHARED VOTING POWER |
| 5 | |
| 6 | 800,000 SOLE DISPOSITIVE POWER |
| 7 | |
| 8 | 0 SHARED DISPOSITIVE POWER |
| | 800,000 |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
| | 800,000 |
| 10 | .. |

11 CHECK BOX
IF THE
AGGREGATE
AMOUNT IN
ROW (9)
EXCLUDES
CERTAIN
SHARES
PERCENT OF
CLASS
REPRESENTED BY
AMOUNT IN ROW
(9)

12 5.64%
TYPE OF
REPORTING
PERSON

PN

CUSIP No. 98420N105 13G Page 3 of 12 Pages

| | |
|----------|--|
| 1 | NAME OF REPORTING PERSON |
| | Adage Capital Partners GP, L.L.C. |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP |
| 3 | SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION |
| | Delaware |
| 5 | SOLE VOTING POWER |
| | 0 |
| 6 | SHARED VOTING POWER |
| 7 | 800,000 SOLE DISPOSITIVE POWER |
| 8 | 0 SHARED DISPOSITIVE POWER |
| 9 | 800,000 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |

800,000

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

10

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11

AMOUNT IN ROW

(9)

5.64%

TYPE OF

REPORTING

12

PERSON

OO

CUSIP No. 98420N105 13G Page 4 of 12 Pages

| | |
|----------|---|
| 1 | NAME OF REPORTING PERSON |
| 2 | Adage Capital Advisors, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP |
| 3 | SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION |
| 4 | Delaware |
| 5 | SOLE VOTING POWER |
| 6 | 0 SHARED VOTING POWER |
| 7 | 800,000 SOLE DISPOSITIVE POWER |
| 8 | 0 SHARED DISPOSITIVE POWER |
| 9 | 800,000 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |

800,000

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

10

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

11

AMOUNT IN ROW

(9)

5.64%

TYPE OF

REPORTING

12

PERSON

OO

CUSIP No. 98420N105 13G Page 5 of 12 Pages

| | |
|----------|--|
| 1 | NAME OF REPORTING PERSON |
| | Robert Atchinson |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP |
| 3 | SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION |
| | United States |
| 5 | SOLE VOTING POWER |
| | 0 |
| 6 | SHARED VOTING POWER |
| 7 | 800,000 SOLE DISPOSITIVE POWER |
| 8 | 0 SHARED DISPOSITIVE POWER |
| 9 | 800,000 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
| | 800,000 |

10 CHECK BOX
IF THE
AGGREGATE
AMOUNT IN ..
ROW (9)
EXCLUDES
CERTAIN
SHARES
PERCENT OF
CLASS
11 REPRESENTED BY
AMOUNT IN ROW
(9)

5.64%
TYPE OF
REPORTING
12 PERSON

IN

CUSIP No. 98420N105 13G Page 6 of 12 Pages

| | |
|----------|--|
| 1 | NAME OF REPORTING PERSON |
| | Phillip Gross |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP |
| 3 | SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION |
| | United States |
| 5 | SOLE VOTING POWER |
| | 0 |
| 6 | SHARED VOTING POWER |
| 7 | 800,000 SOLE DISPOSITIVE POWER |
| 8 | 0 SHARED DISPOSITIVE POWER |
| 9 | 800,000 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
| | 800,000 |

| | |
|-----------|---|
| 10 | CHECK BOX IF THE AGGREGATE AMOUNT IN .. ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS |
| 11 | REPRESENTED BY AMOUNT IN ROW (9) |
| 12 | 5.64% TYPE OF REPORTING PERSON |
| | IN |

Item 1(a). NAME OF ISSUER

The name of the issuer is Xenon Pharmaceuticals Inc. (the "Company").

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES

The Company's principal executive offices are located at 200-3650 Gilmore Way, Burnaby, British Columbia V5G 4W8, Canada.

Item 2(a). NAME OF PERSON FILING

This statement is filed by:

- (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP") with respect to the Common Shares directly owned by it;

- (ii) Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACPGP"), as general partner of ACP with respect to the Common Shares directly owned by ACP;

- (iii) Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACA"), as managing member of ACPGP, general partner of ACP, with respect to the Common Shares directly owned by ACP;

- (iv) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the Common Shares directly owned by ACP; and

- (v) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the Common Shares directly owned by ACP.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

The filing of this statement should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of the securities reported herein.

Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd floor, Boston, Massachusetts 02116.

**Item
2(c). CITIZENSHIP**

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

CUSIP No. 98420N105 13G Page 8 of 12 Pages

Item 2(d). TITLE OF CLASS OF SECURITIES

Common Shares, without par value (the "Common Shares").

Item 2(e). CUSIP NUMBER

98420N105

**IF THIS
STATEMENT IS
FILED PURSUANT
TO Rules 13d-1(b),
Item 3. OR 13d-2(b) OR (c),
CHECK
WHETHER THE
PERSON FILING
IS A:**

- (a) Broker or dealer registered under Section 15 of the Act;
- (b) Bank as defined in Section 3(a)(6) of the Act;
- (c) Insurance company as defined in Section 3(a)(19) of the Act;
- (d) Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with

- Rule
13d-1(b)(1)(ii)(F);
A parent holding
company or control
person in
(g) accordance with
Rule
13d-1(b)(1)(ii)(G);
A savings
association as
(h) defined in Section
3(b) of the Federal
Deposit Insurance
Act;
A church plan that
is excluded from
the definition of an
investment
(i) company under
Section 3(c)(14) of
the Investment
Company Act;
A non-U.S.
institution in
(j) accordance with
Rule
13d-1(b)(1)(ii)(J);
Group, in
(k) accordance with
Rule
13d-1(b)(1)(ii)(K).
If filing as a
non-U.S. institution
in accordance with
Rule
13d-1(b)(1)(ii)(J),
please
specify
the
type of
institution:
Not applicable.

CUSIP No. 98420N105 13G Page 9 of 12 Pages

Item 4. OWNERSHIP

- A. Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C. and Adage Capital Advisors, L.L.C.
- (a) Amount beneficially owned: 800,000
Percent of class: 5.64%. The percentages set forth in this Schedule 13G are calculated based upon the 14,172,188 Common Shares reported to be issued and outstanding as of May 4, 2018 as
 - (b) reflected in the Company's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2018, filed with the Securities and Exchange Commission on May 8, 2018.
 - (c) (i) Sole power to vote or direct the vote: 0
(ii) Shared power to vote or direct the vote: 800,000
(iii) Sole power to dispose or direct the disposition: 0
(iv) Shared power to dispose or direct the disposition of: 800,000

ACP has the power to dispose of and the power to vote the Common Shares beneficially owned by it, which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's operations. Neither ACPGP nor ACA directly own any Common Shares. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to beneficially own the shares owned by ACP.

B. Robert Atchinson and Phillip Gross

- (a) Amount beneficially owned: 800,000
- (b) Percent of class: 5.64%
- (c) (i) Sole power to vote or direct the vote: 0
(ii) Shared power to vote or direct the vote: 800,000
(iii) Sole power to dispose or direct the disposition: 0
(iv) Shared power to dispose or direct the disposition: 800,000

Messrs. Atchinson and Gross, as managing members of ACA, have shared power to vote the Common Shares beneficially owned by ACP. Neither Mr. Atchinson nor Mr. Gross directly own any Common Shares. By reason of the provisions of Rule 13d-3 of the Act, each may be deemed to beneficially own the shares beneficially owned by ACP.

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

Not applicable.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON

Not applicable.

CUSIP No. 98420N105 13G Page 10 of 12 Pages

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

Item 10. CERTIFICATION

Each of the
Reporting Persons
hereby makes the
following
certification:

By signing below
each Reporting
Person certifies that,
to the best of his or
its knowledge and
belief, the securities
referred to above
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.

CUSIP No. 98420N105 13G Page 11 of 12 Pages

SIGNATURES

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

DATE: July 3, 2018

ADAGE CAPITAL PARTNERS, L.P.

By: Adage Capital Partners GP, L.L.C.,
its general partner

By: Adage Capital Advisors, L.L.C.,
its managing member

/s/ Robert Atchinson

Name: Robert Atchinson

Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.

By: Adage Capital Advisors, L.L.C.,
its managing member

/s/ Robert Atchinson

Name: Robert Atchinson

Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson

Name: Robert Atchinson

Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson

ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ Phillip Gross

PHILLIP GROSS, individually

CUSIP No. 98420N105 13G Page 12 of 12 Pages

EXHIBIT 1

**JOINT FILING AGREEMENT
PURSUANT TO RULE 13d-1(k)**

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained herein and therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATE: July 3, 2018

ADAGE CAPITAL PARTNERS, L.P.
By: Adage Capital Partners GP, L.L.C.,
its general partner

By: Adage Capital Advisors, L.L.C.,
its managing member

/s/ Robert Atchinson
Name: Robert Atchinson
Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.
By: Adage Capital Advisors, L.L.C.,
its managing member

/s/ Robert Atchinson
Name: Robert Atchinson
Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson
Name: Robert Atchinson
Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson
ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ Phillip Gross

PHILLIP GROSS, individually