SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 3)*

Xenon Pharmaceuticals Inc.

(Name of Issuer)

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

98420N105

(CUSIP Number)

December 31, 2020

(Date of Event Which Requires Filing of This Statement)

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

 \square Rule 13d-1(b)

ý Rule 13d-1(c)

 \square Rule 13d-1(d)

(Page 1 of 10 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 ("<u>Act</u>") 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).

1		DRTING PERSON pital Partners, L.P.	
2	CHECK THE AF	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)
3	SEC USE ONLY		
4	CITIZENSHIP O Delaware	R PLACE OF ORGANIZATION	
	5	SOLE VOTING POWER 0	
NUMBER OF SHARES BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 2,450,000	
EACH EACH REPORTING PERSON WITH:	7	SOLE DISPOSITIVE POWER 0	
PERSON WITH.	8	SHARED DISPOSITIVE POWER 2,450,000	
9	AGGREGATE A 2,450,000	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF C 7.00%	LASS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPO PN	RTING PERSON	

1		DRTING PERSON pital Partners GP, L.L.C.	
2	CHECK THE AI	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)
3	SEC USE ONLY	·	
4	CITIZENSHIP C Delaware	DR PLACE OF ORGANIZATION	
	5	SOLE VOTING POWER 0	
NUMBER OF SHARES BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 2,450,000	
EACH EACH REPORTING PERSON WITH:	7	SOLE DISPOSITIVE POWER 0	
PERSON WITH:	8	SHARED DISPOSITIVE POWER 2,450,000	
9	AGGREGATE A 2,450,000	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF C 7.00%	LASS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPO OO	RTING PERSON	

1	NAME OF REPOR Adage Capi	TING PERSON tal Advisors, L.L.C.	
2	CHECK THE APPI	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)
3	SEC USE ONLY		
4	CITIZENSHIP OR Delaware	PLACE OF ORGANIZATION	
	5	SOLE VOTING POWER 0	
NUMBER OF SHARES BENEFICIALLY	6	SHARED VOTING POWER 2,450,000	
OWNED BY EACH REPORTING PERSON WITH:	7	SOLE DISPOSITIVE POWER 0	
PERSON WITH:	8	SHARED DISPOSITIVE POWER 2,450,000	
9	AGGREGATE AM 2,450,000	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA 7.00%	ASS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPORT OO	'ING PERSON	

1	NAME OF REPOR Robert Atch		
2	CHECK THE APPI	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)
3	SEC USE ONLY		
4	CITIZENSHIP OR United State	PLACE OF ORGANIZATION S	
NUMBER OF	5	SOLE VOTING POWER 0	
SHARES BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 2,450,000	
EACH REPORTING PERSON WITH:	7	SOLE DISPOSITIVE POWER 0	
PERSON WITH:	8	SHARED DISPOSITIVE POWER 2,450,000	
9	AGGREGATE AM 2,450,000	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA 7.00%	ASS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPORT IN	ING PERSON	

1	NAME OF REPOR Phillip Gros		
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)
3	SEC USE ONLY		
4	CITIZENSHIP OR United State	PLACE OF ORGANIZATION 25	
	5	SOLE VOTING POWER 0	
NUMBER OF SHARES BENEFICIALLY	6	SHARED VOTING POWER 2,450,000	
OWNED BY EACH REPORTING	7	SOLE DISPOSITIVE POWER 0	
PERSON WITH:	8	SHARED DISPOSITIVE POWER 2,450,000	
9	AGGREGATE AM 2,450,000	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA 7.00%	ASS REPRESENTED BY AMOUNT IN ROW (9)	
12	TYPE OF REPORT IN	TING PERSON	

Item 1(a).		F ISSUER of the issuer is Xenon Pharmaceuticals Inc. (the " <u>Company</u> ").
Item 1(b).		S OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES pany's principal executive offices are located at 200-3650 Gilmore Way, Burnaby, British Columbia V5G ada.
Item 2(a).		F PERSON FILING ment is filed by:
	(i)	Adage Capital Partners, L.P., a Delaware limited partnership (" <u>ACP</u> "), 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 (" <u>ACPGP</u> "), 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 (" <u>ACA</u> "), as managing member of ACPGP, general partner of ACP, with respect to the Common Shares directly owned by ACP;
	(iv)	Robert Atchinson (" <u>Mr. Atchinson</u> "), 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 (" <u>Mr. Gross</u> "), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the Common Shares directly owned by ACP.
	herein wit	oing persons are hereinafter sometimes collectively referred to as the " <u>Reporting Persons</u> ." Any disclosures h respect to persons other than the Reporting Persons are made on information and belief after making the appropriate party.
		of this statement should not be construed in and of itself as an admission by any Reporting Person as to ownership of the securities reported herein.
Item 2(b).	The addre	S OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE ss of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd Floor, Boston, setts 02116.
Item 2(c).		SHIP imited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability s organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United
Item 2(d).		F CLASS OF SECURITIES Shares, without par value (the " <u>Common Shares</u> ").

Item 2(e).	CUSIP NUMBER	
	98420N105	

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

- (a) \square Broker or dealer registered under Section 15 of the Act;
- (b) \Box Bank as defined in Section 3(a)(6) of the Act;
- (c) \Box 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) \Box An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) \Box An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) \Box A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) \Box A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) \Box A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) \Box A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) \Box Group, in 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: <u>Not applicable.</u>

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: 2,450,000
 - (b) Percent of class: 7.00%. The percentage set forth in this Schedule 13G/A is calculated based upon the 35,007,366 Common Shares reported to be outstanding as of November 3, 2020 in the Company's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2020 filed by the Company with the Securities and Exchange Commission on November 5, 2020.
 - (c) (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 2,450,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition of: 2,450,000

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: 2,450,000
 - (b) Percent of class: 7.00%
 - (c) (i) Sole power to vote or direct the vote: 0
 - (ii) Shared power to vote or direct the vote: 2,450,000
 - (iii) Sole power to dispose or direct the disposition: 0
 - (iv) Shared power to dispose or direct the disposition: 2,450,000

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. **IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY** Item 7. BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON Not applicable. Item 8. **IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP** Not applicable. NOTICE OF DISSOLUTION OF GROUP Item 9. Not applicable. CERTIFICATION Item 10.

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.

13G/A

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: February 11, 2021

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