FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* <u>DiFabio Andrea</u> | 2. Date of Ev Requiring Sta (Month/Day/) 11/07/2022 | atement Year) | 3. Issuer Name and Ticker or Trading Symbol Xenon Pharmaceuticals Inc. [XENE] | | | | |
|--|--|--------------------|--|---|---|--|--|
| (Last) (First) (Middle) 200 - 3650 GILMORE WAY | 11/0//2022 | | 4. Relationship of Reporting Issuer (Check all applicable) | , | | 5. If Amendment, Date of Original Filed (Month/Day/Year) | |
| (Street) BURNABY A1 V5G 4W8 (City) (State) (Zip) | | | Director X Officer (give title below) Chief Legal C | 10% Owner Other (specify below) Officer | | 6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person | |
| Table I - Non-Derivative Securities Beneficially Owned | | | | | | | |
| 1. Title of Security (Instr. 4) | | | 2. Amount of Securities Beneficially Owned (Instr. 4) | | | 4. Nature of Indirect Beneficial Ownership (Instr. 5) | |
| No securities are beneficially owned. | | | 0 | D ⁽¹⁾ | | | |
| Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | |
| | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Se Underlying Derivative Se (Instr. 4) | | 4. Conversion or Exercise Price of | se Form: | 6. Nature of Indirect Beneficial Ownership (Instr. |
| | | Expiration Date | Title | Amount or Number of Shares | Derivative Security | Direct (D) or Indirect (I) (Instr. 5) | 5) |
| No securities are beneficially owned. | (1) | (1) | N/A ⁽¹⁾ | (1) | 0.00 | D | |

Explanation of Responses:

1. Not applicable.

Remarks:

/s/ Cassandra Robinson, Attorney-in-fact

11/09/2022

** Signature of Reporting Person

Date

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

- * If the form is filed by more than one reporting person, see Instruction 5 (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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

POWER OF ATTORNEY

The undersigned, as a Section 16 reporting person of Xenon Pharmaceuticals Inc. (the "Company"), hereby constitutes and appoints each of the responsible attorneys and paralegals of Wilson Sonsini Goodrich & Rosati, Professional Corporation, specifically Barbara Mery of Wilson Sonsini Goodrich & Rosati, Professional Corporation, and each of Emmanuelle Vallee, Sherry Aulin, Barbara Filice and Cassandra Robinson of the Company, the undersigned's true and lawful attorney-in-fact to:

- 1. complete and execute Forms ID, 3,4 and 5 and other forms and all amendments thereto as such attorney-in-fact shall in his or her discretion determine to be required or advisable pursuant to Section 16 of the Securities Exchange Act of 1934 (as amended) and the rules and regulations promulgated thereunder, or any successor laws and regulations, as a consequence of the undersigned's ownership, acquisition or disposition of securities of the Company; and
- 2. do all acts necessary in order to file such forms with the Securities and Exchange Commission, any securities exchange or national association, the Company and such other person or agency as the attorney-in-fact shall deem appropriate.

The undersigned hereby ratifies and confirms all that said attorneys-in-fact and agents shall do or cause to be done by virtue hereof. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934 (as amended).

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms ID, 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the Company and the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 25th day of October, 2022.

Signature: /s/ Andrea DiFabio

Andrea DiFabio