

AYCARDI-FONSECA ERNESTO  
Form 3  
March 20, 2018

**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,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| <p>1. Name and Address of Reporting Person *</p> <p>AYCARDI-FONSECA ERNESTO</p> <p>(Last) (First) (Middle)</p> <p>C/O XENON PHARMACEUTICALS INC., 200 - 3650 GILMORE WAY</p> <p>(Street)</p> <p>BURNABY, WA 98008</p> <p>(City) (State) (Zip)</p> | <p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>03/19/2018</p> | <p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Xenon Pharmaceuticals Inc. [XENE]</p> | <p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br/><input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other<br/>(give title below) (specify below)<br/>Chief Medical Officer</p> | <p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> | <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person<br/><input type="checkbox"/> Form filed by More than One Reporting Person</p> |
|---|---|---|---|---|---|

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4)   | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|--------------------------------------|--|---|--|
| No securities are beneficially owned | 0  | D (1)   | ^  |

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date | 3. Title and Amount of Securities Underlying | 4. Conversion | 5. Ownership | 6. Nature of Indirect Beneficial Ownership |
|---|---|--|---------------|--------------|--|
|---|---|--|---------------|--------------|--|

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| (Month/Day/Year)                        | Derivative Security<br>(Instr. 4) | or Exercise<br>Price of<br>Derivative<br>Security | Form of<br>Derivative<br>Security:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 5) | (Instr. 5) |      |   |   |
|---|-----------------------------------|---|--|------------|------|---|---|
| Date<br>Exercisable                     | Expiration<br>Date                | Title   | Amount or<br>Number of<br>Shares   |            |      |   |   |
| No securities are<br>beneficially owned | ∅ (1)                             | ∅ (1)   | N/A (1)  | ∅          | \$ 0 | D | ∅ |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| AYCARDI-FONSECA ERNESTO<br>C/O XENON PHARMACEUTICALS INC.<br>200 - 3650 GILMORE WAY<br>BURNABY, ∅ A1∅ V5G4W8 | ∅             | ∅         | ∅ Chief Medical Officer | ∅     |

## Signatures

/s/ Joanne Smartt, 03/20/2018  
Attorney-in-fact

∅Signature of Reporting Person Date

## Explanation of Responses:

- \* 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).

(1) Not applicable

∅

### Remarks:

Exhibit∅ Index:∅ 24.1∅ Power∅ of∅ Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.