

Jones Mary Ellen
Form 3
June 11, 2012

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)

| | | | | |
|---------------------------------------------------------|---------|--------------------------------------|------------------------------------------------------------------------|------------------------------------------------------|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Jones Mary Ellen | | (Month/Day/Year) | AVEO PHARMACEUTICALS INC [AVEO] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| | | 05/30/2012 | | |
| C/O AVEO PHARMACEUTICALS, INC.,Â 75 SIDNEY STREET | | | (Check all applicable) | |
| (Street) | | | <input type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| | | | <input checked="" type="checkbox"/> Officer | <input type="checkbox"/> Other |
| | | | (give title below) (specify below) | |
| | | | SVP, Human Resources | |
| CAMBRIDGE,Â MAÂ 02139 | | | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| (City) | (State) | (Zip) | <input checked="" type="checkbox"/> Form filed by One Reporting Person | |
| | | | <input type="checkbox"/> 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) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|
| Common Stock | 13,500 | D | Â |

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 (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------|

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| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) | |
|-----------------------------|------------------|-----------------|--------------|----------------------------|----------|---------------------------------------|---|
| Stock Option (right to buy) | Â (1) | 09/06/2021 | Common Stock | 60,000 | \$ 15.69 | D | Â |
| Stock Option (right to buy) | Â (2) | 01/31/2022 | Common Stock | 22,900 | \$ 13.18 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|-----------------------------------------------------------------------------------------------|---------------|-----------|------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Jones Mary Ellen C/O AVEO PHARMACEUTICALS, INC. 75 SIDNEY STREET CAMBRIDGE, MA 02139 | Â | Â | Â SVP, Human Resources | Â |

Signatures

/s/ Joseph D. Vittiglio,
attorney-in-fact

06/11/2012

__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) This option will vest as to 25% of the shares on August 22, 2012. The remainder vests in equal monthly installments thereafter through August 22, 2015.

(2) This option vests in equal monthly installments beginning January 1, 2012 through January 1, 2016.

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

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