#### HIRSCH RUSSELL C Form 3 March 11, 2010 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB

### 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

#### OMB APPROVAL

OMB Number: 3235-0104 Expires: January 31, 2005 Estimated average burden hours per response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> HIRSCH RUSSELL C	<ol> <li>Date of Event Requiring Statement</li> <li>(Month/Day/Year)</li> </ol>	3. Issuer Name and Ticker or Trading Symbol AVEO PHARMACEUTICALS INC [AVEO]					
(Last) (First) (Middle) C/O AVEO PHARMACEUTICALS,	03/11/2010	4. Relationship of Reporting Person(s) to Issuer       5. If Amendment, Date Original Filed(Month/Day/Year)         (Check all applicable)       5. If Amendment, Date Original Filed(Month/Day/Year)					
INC., 75 SIDNEY STREET (Street) CAMBRIDGE, MA 02139		OfficerOther (give title below) (specify below) 6. Individual or Joint/Group Filing(Check Applicable Line)X_Form filed by One Reporting PersonForm filed by More than One Reporting PersonForm filed by More than One Reporting Person					
(City) (State) (Zip)	Table I - Non-Derivative Securities Beneficially Owned						
1.Title of Security (Instr. 4)	2. Amount of Beneficially (Instr. 4)						
Reminder: Report on a separate line for ea owned directly or indirectly.	ch class of securities benefici	ally SEC 1473 (7-02)					
information conta required to respo	pond to the collection of ained in this form are not nd unless the form displ MB control number.						
Table II - Derivative Security	rities Beneficially Owned (e.	g., puts, calls, warrants, options, convertible securities)					

1. Title of Derivative Security       2. Date Exercisable and         (Instr. 4)       Expiration Date         (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	Form of Ownership	
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D)	

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				Shares		or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	(1)	06/16/2019	Common Stock	10,000	\$ 8.72	D	Â
Series A Convertible Preferred Stock	03/22/2002	(2)	Common Stock	10,889	\$ <u>(2)</u>	Ι	By Prospect Associates II, L.P. <u>(5)</u>
Series B Convertible Preferred Stock	07/25/2003	( <u>3)</u>	Common Stock	10,807	\$ <u>(3)</u>	I	By Prospect Associates II, L.P. $(5)$
Series D Convertible Preferred Stock	03/26/2007	(4)	Common Stock	2,481	\$ <u>(4)</u>	I	By Prospect Associates II, L.P. $(5)$
Series A Convertible Preferred Stock	03/22/2002	(2)	Common Stock	715,037	\$ <u>(2)</u>	I	By Prospect Venture Partners II, L.P. <u>(6)</u>
Series B Convertible Preferred Stock	07/25/2003	( <u>3)</u>	Common Stock	709,714	\$ <u>(3)</u>	I	By Prospect Venture Partners II, L.P. <u>(6)</u>
Series D Convertible Preferred Stock	03/26/2007	(4)	Common Stock	162,963	\$ <u>(4)</u>	Ι	By Prospect Venture Partners II, L.P. <u>(6)</u>

# **Reporting Owners**

Reporting Owner Name / Address		Relationships					
<b>F B</b>	Director	10% Owner	Officer	Other			
HIRSCH RUSSELL C C/O AVEO PHARMACEUTICALS, INC. 75 SIDNEY STREET CAMBRIDGE, MA 02139		ÂX	Â	Â	Â		
Signatures							
/s/ Russell C. 03/1 Hirsch	1/2010						

<u>\*\*</u>Signature of Reporting Person

# **Explanation of Responses:**

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

Date

- \*\* 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 first became exercisable on July 31, 2009 and vests over a one-year period in equal monthly installments.
- (2) The Series A Convertible Preferred Stock is convertible into Common Stock on a one-for-0.25 basis and has no expiration date.
- (3) The Series B Convertible Preferred Stock is convertible into Common Stock on a one-for-0.25 basis and has no expiration date.

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- (4) The Series D Convertible Preferred Stock is convertible into Common Stock on a one-for-0.25 basis and has no expiration date.
- Held by Prospect Associates II, L.P. James B. Tananbaum, M.D., Alexander E. Barkas, Ph.D., David Schnell, M.D. and Russell C.
   (5) Hirsch, M.D., Ph.D., the managing members of Prospect Management Co. II, LLC, the General Partner of Prospect Associates II, L.P., share voting and investment power over the shares held by Prospect Associates II, L.P., but disclaim beneficial ownership, except to the extent of their pecuniary interest therein.

Held by Prospect Venture Partners II, L.P. James B. Tananbaum, M.D., Alexander E. Barkas, Ph.D., David Schnell, M.D. and Russell C. Hirsch, M.D., Ph.D., the managing members of Prospect Management Co. II, LLC, the General Partner of Prospect Venture Partners II,

(6) L.P., share voting and investment power over the shares held by Prospect Venture Partners II, L.P., but disclaim beneficial ownership, except to the extent of their pecuniary interest therein.

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.