

DePinho Ronald A
 Form 3
 March 11, 2010

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 *

Â DePinho Ronald A
 (Last) (First) (Middle)

C/O AVEO
 PHARMACEUTICALS,
 INC.,Â 75 SIDNEY STREET
 (Street)

CAMBRIDGE,Â MAÂ 02139
 (City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
 03/11/2010

3. Issuer Name and Ticker or Trading Symbol
 AVEO PHARMACEUTICALS INC [AVEO]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer Other
 (give title below) (specify below)

5. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	250,012	D	Â
Common Stock	75,000	I	By George D. Yancopoulos as Trustee of The Ronald A. DePinho and Lynda Chin Family Trust. ⁽¹⁾
Common Stock	25,000	I	By George Yancopoulos as Trustee of the Ronald DePinho and Lynda Chin Family Trust ⁽²⁾
Common Stock	242,512	I	By spouse ⁽³⁾

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 Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Option (right to buy)	Â <u>(4)</u>	07/17/2018	Common Stock	10,000	\$ 6.68	D	Â
Stock Option (right to buy)	Â <u>(5)</u>	06/16/2019	Common Stock	10,000	\$ 8.72	D	Â
Stock Option (right to buy)	Â <u>(6)</u>	09/26/2018	Common Stock	5,000	\$ 6.88	I	By spouse.

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

DePinho Ronald A
C/O AVEO PHARMACEUTICALS, INC.
75 SIDNEY STREET
CAMBRIDGE, MA 02139

Â X Â Â Â

Signatures

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

03/11/2010

__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).

These shares are held by George D. Yancopoulos and his successors, as Trustee of The Ronald A. DePinho and Lynda Chin Family Trust.

(1) George Yancopoulos is the trustee of this trust and he exercises sole voting and investment power over the shares held of record by such trusts. Dr. DePinho disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.

These shares are held by George Yancopoulos and his successors, as Trustee of The Ronald DePinho and Lynda Chin Family Trust.

(2) George Yancopoulos is the trustee of this trust and he exercises sole voting and investment power over the shares held of record by such trusts. Dr. DePinho disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.

(3) These shares are held by Dr. DePinho's spouse. Dr. DePinho disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.

(4) This option first became exercisable on August 1, 2008 and vests over a two-year period in equal monthly installments.

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(5) This option first became exercisable on July 31, 2009 and vests over a one-year period in equal monthly installments.

This option is held by Dr. DePinho's spouse. Dr. DePinho disclaims beneficial ownership over the shares underlying such option, except

(6) to the extent of his pecuniary interest therein. The option first became exercisable on October 1, 2008 and vests over a two-year period in equal monthly installments.

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.