

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>Pillar Invest Corp</u> <hr/> (Last) (First) (Middle) <u>C/O IDERA PHARMACEUTICALS, INC.</u> <u>167 SIDNEY STREET</u> <hr/> (Street) <u>CAMBRIDGE MA 02139</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>IDERA PHARMACEUTICALS, INC. [IDRA]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/30/2013</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/30/2013		P		845,161	A	\$0	0 ⁽³⁾	I	See Footnotes ⁽¹⁾⁽³⁾
Common Stock	09/30/2013		P		929,032	A	\$0	0 ⁽³⁾	I	See Footnotes ⁽²⁾⁽³⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person* <u>Pillar Invest Corp</u> <hr/> (Last) (First) (Middle) <u>C/O IDERA PHARMACEUTICALS, INC.</u> <u>167 SIDNEY STREET</u> <hr/> (Street) <u>CAMBRIDGE MA 02139</u> <hr/> (City) (State) (Zip)

1. Name and Address of Reporting Person*		
Pillar Pharmaceuticals IV, L.P.		
(Last)	(First)	(Middle)
PILLAR INVEST OFFSHORE SAL STARCO CTR BLOC B, 3RD FLOOR, OMAR DAOUK STREET		
(Street)		
BEIRUT	M8	2020-3313
(City) (State) (Zip)		
1. Name and Address of Reporting Person*		
ZEIN YOUSSEF EL		
(Last)	(First)	(Middle)
PILLAR INVEST OFFSHORE SAL, STARKO CTR, BLOC B, 3RD FLOOR, OMAR DAOUK STREET		
(Street)		
BEIRUT	M8	2020-3313
(City) (State) (Zip)		

Explanation of Responses:

- On September 30, 2013, upon the consummation of a public offering of the Issuer (the "Offering"), Pillar Pharmaceuticals IV, L.P. ("Pillar IV"), of which Pillar GP is the general partner, acquired, in the Offering, 845,161 shares of common stock (the "Pillar IV Shares") of the Issuer. Pillar GP disclaims Section 16 beneficial ownership of the Pillar IV Shares and this report shall not be deemed an admission that Pillar GP is the Section 16 beneficial owner of any such securities, except to the extent of its pecuniary interest therein, if any, by virtue of its ownership interest in Pillar IV. As of the date hereof, Pillar IV owns directly 845,161 shares of common stock of the Issuer.
- On September 30, 2013, upon the consummation the Offering, Participations Besancon ("Besancon"), a fund advised by Pillar GP, acquired, in the Offering, 929,032 shares of common stock (the "Besancon Shares"). Pillar GP also disclaims Section 16 beneficial ownership of the Besancon Shares and this report shall not be deemed an admission that Pillar GP is the beneficial owner of any such securities, except to the extent of its pecuniary interest therein, if any, resulting from fees payable to Pillar GP in its capacity as investment advisor to Besancon. As of the date hereof, Besancon owns directly 3,329,032 shares of common stock of the Issuer.
- Youssef El Zein is a director and controlling stockholder of Pillar GP and serves as the representative of Pillar IV and Pillar GP on the Issuer's board of directors. Mr. El Zein disclaims Section 16 beneficial ownership of the Pillar IV Shares and the Besancon Shares and this report shall not be deemed an admission that he is the beneficial owners of any such securities, except to the extent of his pecuniary interest therein, if any, by virtue of his ownership interest in Pillar GP. As of the date hereof, Mr. El Zein owns directly 586,101 shares of common stock of the Issuer.

Pillar Invest Corporation, /s/ Youssef El Zein, Authorized Person	10/02/2013
Pillar Invest Corporation, /s/ Youssef El Zein	10/02/2013
** 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 4 (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.