FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO	DVAL					
OMB Number:	3235-0287					
Estimated average burden						
	0.5					

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

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Name and Address of Reporting Person* BAKER JULIAN				2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner							
IDRA				DRA]															
` '					3. Date of Earliest Transaction (Month/Day/Year) 06/09/2014								Officer (give title Other (specify below) below)				specity		
· · · · · · · · · · · · · · · · · · ·				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)							6.	6. Individual or Joint/Group Filing (Check Applicable						
(Street)												Lir	Line)						
NEW YORK NY US 10065													Form filed by One Reporting Person X Form filed by More than One Reporting Person						
(City) (State) (Zip)																			
		Tab	le I - N	on-Deriv	ative S	Sec	curities	Ac	quired, D	isp	osed o	of, or	Bene	eficia	lly Owr	ned			
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day				Exe if a	A. Deemed execution Date, fany Month/Day/Year)		3. Transaction Code (Instr. 8)			urities Acquired sed Of (D) (Instr.			Secu Bend Own	mount of rities eficially ed owing	Fo (D)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amoun		(A) or (D)	Reported Price Transaction(s) (Instr. 3 and 4)			,		
			Table						quired, Dis s, options,	•				•	Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Dee Execution if any (Month/	on Date,	4. Transact Code (In 8)			ive ies ed ed	6. Date Exe Expiration (Month/Day				8. Price of Derivativ Security (Instr. 5)	derivative ve Securities Beneficially		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisable		piration te	Title	or Nu of	ımber					
Non- Qualified Stock Option (right to buy)	\$3.25	06/09/2014			A		70,000		(1)	06.	/09/2024	Comm Stock		0,000	\$0	70,000)	I	See footnote ⁽¹⁾⁽²⁾
l	nd Address o	of Reporting Persor	1*																
(Last) 667 MA		(First) ENUE, 21ST FL		ddle)															
(Street)	ORK	NY	US	S 10065															
(City)		(State)	(Zip	p)		-													

667 MADISON	(First) AVENUE, 21ST	(Middle) FLOOR
Street) NEW YORK	NY	US 10065
(City)	(State)	(Zip)
	ess of Reporting Per ers Life Scier	
(Last) 667 MADISON	(First) AVENUE, 21ST	(Middle)
Street) NEW YORK	NY	US 10065
(City)	(State)	(Zip)
. Name and Addre 14159, L.P.	ess of Reporting Per	son*
(Last) 667 MADISION	(First) I AVENUE, 21 ST	(Middle)
Street) NEW YORK	NY	US 10065
(City)	(State)	(Zip)
. Name and Addre	ess of Reporting Per	son*
BAKER FEL		
(Last)	(First) AVENUE, 21ST	(Middle)
(Last)		
(Last) 667 MADISON Street) NEW YORK	AVENUE, 21ST	FLOOR
(Last) 667 MADISON Street) NEW YORK (City)	AVENUE, 21ST	US 10065 (Zip)
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(Last) 667 MADISON Street) NEW YORK (City) . Name and Addre	NY (State) ess of Reporting Per (First)	US 10065 (Zip) son* (Middle)

1. Name and Address of Reporting Person* Baker Bros. Advisors (GP) LLC							
(Last)	(First)	(Middle)					
667 MADISION AVENUE 21ST FLOOR							
(Street)	> T7.7	**************************************					
NEW YORK	NY	US 10065					
(City)	(State)	(Zip)					

Explanation of Responses:

- 1. 35,000 non-qualified stock options ("Stock Options") convertible solely into common shares were granted to Julian C. Baker and 35,000 Stock Options were granted to Dr. Kelvin M. Neu, an employee of Baker Bros. Advisors LP (the "Adviser"). The Stock Options have a strike price of \$3.25 and vest in twelve equal quarterly installments over three years from the date of grant with the first installment vesting on September 9, 2014. Julian C. Baker and Dr. Kelvin C. Neu serve on the Issuer's Board of Directors (the "Board") as representatives of 667, L.P. ("667"), Baker Brothers Life Sciences, L.P. ("Life Sciences"), 14159, L.P. ("14159", and together with 667, and Life Sciences, the "Funds" and their affiliates). Pursuant to the policies of the Adviser, Julian C. Baker and Dr. Kelvin M. Neu do not have any right to any of the Issuer's securities issued as part of their service on the Board and the Funds are entitled to receive all the pecuniary interest in the securities issued. The Funds each own an indirect proportionate pecuniary interest in the Stock Options. Solely as a result of Felix J. Baker's and Julian C. Baker may be deemed to have an indirect pecuniary interest in the stock options (i.e. no direct pecuniary interest).
- 2. The Adviser serves as the Investment Adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the Funds. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are principals of the Adviser GP. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds. Julian C. Baker, Felix J. Baker, the Adviser GP and the Adviser disclaim beneficial ownership of the securities held directly by the Funds except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker, the Adviser GP or the Adviser GP or any other purpose.

Remarks:

Remarks: Julian C. Baker and Dr. Kevin M. Neu, respectively a principal and an employee of Baker Bros. Advisors LP (the "Advisor") are directors of Idera Pharmaceuticals, Inc. ("the Issuer"). By virtue of their representation on the Board of Directors of the Issuer, for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, the reporting persons are deemed directors by deputization of the Issuer.

/s/ Julian C. Baker	06/11/2014
BAKER BROS, ADVISORS LP Name: Scott L. Lessing Title: President /s/ Scott L. Lessing	06/11/2014
Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to BAKER BROTHERS LIFE SCIENCES, L.P., pursuant to authority granted by Baker Brothers Life Sciences Capital, L.P., GP to Baker Brothers Life Sciences, L.P Name: Scott L. Lessing, Title: President /s/	06/11/2014
Baker Bros. Advisors LP, Mgmt. Co. and Inv. Adviser to 14159, L.P., pursuant to authority granted by 14159 Capital, L.P., GP to 14159, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing	06/11/2014
/s/ Felix J. Baker ** Signature of Reporting Person	$\frac{06/11/2014}{\text{Date}}$

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

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.

^{*} 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).