SEC Form 4	
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FORM 4

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

Section obligat	this box if no long n 16. Form 4 on tions may conti ction 1(b).		STAT		d pursu	ant to Sec	tion 1	L6(a) of the	e Secu	rities Excl	CIAL O nange Act c Act of 1940		RSHIP	Es	stimat	lumber: ted average burg per response:	3235-0287 den 0.5	
		f Reporting Person [*] ADVISORS			2. Issu	er Name a	and T	icker or Tra	ading	Symbol	<u>INC.</u> [IDRA	(Check all a X Dir	pplicable) rector			Owner	
(Last) (First) (Middle) 860 WASHINGTON STREET 3. Date of 06/20/2 3RD FLOOR 06/20/2				e of Earliest Transaction (Month/Day/Year))/2018							Officer (give title Other (specify below) below)							
(Street) NEW YORK NY 10014				nendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person							
(City)	(:	State)	(Zip)															
	Coourity (Inc		Table I - Nor			-			d, Di	-			<u> </u>			6. Ownership	7. Nature of	
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da				Execution Date,		ate, Trar Cod	nsactio le (Inst le V	on Dispo r.	curities Acquired (A) or osed Of (D) (Instr. 3, 4 a unt (A) or Priv		r 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		ed	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Table II -									eneficial	lly Owned	-				
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/Yea	, 4. Trans Code	action (Instr.	5. Numb Derivativ Securitie Acquired or Dispo of (D) (In 3, 4 and	er of /e es d (A) sed str.	6. Date Expiration (Month/Da	kercisa n Date	able and	-	d Amount ies g Security	8. Price of Derivative Security (Instr. 5)	derivative Securities Beneficially Owned Following Reported		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisat	ble D	xpiration ate	Title	Amount or Number of Shares		Transactio (Instr. 4)	on(s)			
Non- Qualified Stock Option (right to buy)	\$1.53	06/20/2018		A		100,000		(1)	0	6/20/2028	Common Stock	100,000) \$0	100,00)0	I	See Footnotes ⁽¹⁾ (2)(3)	
		f Reporting Person ² ADVISORS				~												
(Last) 860 WAS 3RD FLO	SHINGTON OOR	(First) N STREET	(Middle))														
(Street) NEW YO	ORK	NY	10014			-												
(City)		(State)	(Zip)			-												
1. Name a <u>14159,</u>		f Reporting Person'	k															
(Last) 860 WAS	SHINGTO	(First) N STREET, 3RD	(Middle) D FLOOR)		-												
(Street) NEW Y	ORK	NY	10014			-												
(City)		(State)	(Zip)			-												
1. Name a <u>667, L.</u>		f Reporting Person	k															
(Last) 860 WAS	SHINGTO	(First) N STREET, 3RD	(Middle) FLOOR)														
(Street) NEW Y	ORK	NY	10014			-												

(City)	(State)	(Zip)							
1. Name and Address of Reporting Person [*] Baker Bros. Advisors (GP) LLC									
(Last) 860 WASHINGTON 3RD FLOOR	(First) N STREET	(Middle)							
(Street) NEW YORK	NY	10014							
(City)	(State)	(Zip)							
1. Name and Address of Reporting Person [*] Baker Brothers Life Sciences LP									
(Last) (First) (Middle) 860 WASHINGTON STREET 3RD FLOOR									
(Street) NEW YORK	NY	10014							
(City)	(State)	(Zip)							
1. Name and Address of Reporting Person [*] BAKER FELIX									
(Last) 860 WASHINGTON 3RD FLOOR	(First) N STREET	(Middle)							
(Street) NEW YORK	NY	10014							
(City)	(State)	(Zip)							
1. Name and Address of Reporting Person [*] BAKER JULIAN									
(Last)(First)(Middle)860 WASHINGTON STREET, 3RD FLOOR									
(Street) NEW YORK	NY	10014							
(City)	(State)	(Zip)							

Explanation of Responses:

1. 50,000 non-qualified stock options ("Stock Options") convertible solely into common shares of Idera Pharmaceuticals, Inc. (the "Issuer") were granted to Julian C. Baker, a principal of Baker Bros. Advisors LP (the "Adviser") and 50,000 Stock Options were granted to Dr. Kelvin M. Neu, a full-time employee of the Adviser. The Stock Options were granted pursuant to the Issuer's 2013 Stock Incentive Plan, as amended, have a strike price of \$1.53 and vest in full on the first anniversary of the date of grant, subject to continued service as a director.

2. Julian C. Baker and Dr. Kelvin M. 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") and 14159, L.P. ("14159", and together with 667, and Life Sciences, the "Funds"). 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's ownership interest in the general partners of the General partners of the Funds, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in the stock options (i.e. no direct pecuniary interest).

3. 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 Funds. J. Baker, the Adviser GP and the Adviser discretion and authority with respect to the investment and voting power of the Funds. Julian C. Baker, Felix J. Baker, the Adviser GP and the Adviser discretion and authority with executies held by the Funds. J. Baker, the Adviser GP and the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

Remarks:

Remarks: Julian C. Baker and Dr. Kelvin M. Neu, respectively, a principal and a full-time employee of Baker Bros. Advisors LP (the "Adviser") 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.

By: Baker Bros. Advisors LP,
Name: Scott L. Lessing, Title:06/21/2018President /s/ Scott L. Lessing06/21/2018Baker 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
Baker Bros. Advisors LP, Mgmt.
Co. and Inv. Adviser to 667.06/21/2018

L.P., pursuant to authority	
<u>granted by Baker Biotech</u>	
Capital, L.P., GP to 667, L.P.	
Name: Scott L. Lessing, Title:	
President /s/ Scott L. Lessing	
By: Baker Bros. Advisors (GP)	
LLC, Name: Scott L. Lessing,	00/01/0010
Title: President /s/ Scott L.	06/21/2018
Lessing	
Baker Bros. Advisors LP, Mgmt.	
Co. and Inv. Adviser to BAKER	
BROTHERS LIFE SCIENCES,	
L.P., pursuant to authority	
<u>granted by Baker Brothers Life</u>	06/21/2018
Sciences Capital, L.P., GP to	
Baker Brothers Life Sciences,	
L.P., Name: Scott L. Lessing,	
Title: President /s/	
<u>/s/ Felix J. Baker</u>	06/21/2018
<u>/s/ Julian C. Baker</u>	06/21/2018

** Signature of Reporting Person

06/21/201 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.