FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

			i iiou į				. ,			t Company A	-		1 100-1								
1. Name and Address of Reporting Person* <u>Baker Brothers Life Sciences Capital</u> (GP), LLC			2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDP]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner									
				3. Date of Earliest Transaction (Month/Day/Year) 07/28/2008									Officer (give title Other (specify below) below)						sресіту		
(Last) (First) (Middle) 667 MADISON AVENUE, 17TH FLOOR				4. If Amendment, Date of Original Filed (Month/Day/Year)								·	6. Individual or Joint/Group Filing (Check Applicable								
(Street) NEW YORK NY US 10021													Line) Form filed by One Reporting Person X Form filed by More than One Reporting Person								
(City) (State) (Zip)																					
		Tabl	e I - Non-Deriva	ative S	Seci	uritie	s Acq	luir	ed,	Disposed	l of, c	r B	enefic	ial	ly Owne	ed					
1. Title of Security (Instr. 3) 2. Trans		2. Transaction Date (Month/Day/Year)	2A. Dee Execution if any (Month/		Date,	3. Transaction Code (Instr. 8)							'	5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership			
							Code	•	v	Amount	(A) Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr	r. 4)			
Common	Stock ⁽¹⁾⁽²⁾		07/28/2008				S			5,901	D	\$1	14.872	6	437,7	00]	[ough nership ⁽³⁾	
Common Stock ⁽¹⁾⁽²⁾ 07/29/2008			07/29/2008			s			19,670	D	\$	\$14.931		418,030		I			ough nership ⁽³⁾		
		Та	ble II - Derivati												Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	saction 3A. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) 4. Transaction Code (Instr. 8) Derive Secur Acqui (A) or Dispo of (D)		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4					and t of ies ying ive y (Instr.	8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		Ownership Form: Direct (D)		11. Nature of Indirect Beneficial Ownership (Instr. 4)				
				Code	v	(A)	(D)	Dat Exe	e ercisa	Expirati	on Tit	le	Amoun or Number of Shares	r							
		f Reporting Person Life Science	es Capital (Gl	<u>P),</u>																	
(Last) 667 MA		(First) ENUE, 17TH FLO	(Middle)																		
(Street) NEW YO	ORK	NY	US 10021																		
(City)		(State)	(Zip)																		

1. Name and Addre		rson*							
(Last)	(First)	(First) (Middle)							
667 MADISON	AVENUE, 17TH	FLOOR							
(Street)									
NEW YORK	NY	US 10021							
(City)	(State)	(Zip)							
1. Name and Addre		rson*							
(Last)	(First)	(Middle)							
667 MADISON	AVENUE, 17TH	FLOOR							
(Street)									
NEW YORK	NY	US 10021							
(City)	(State)	(Zip)							

Explanation of Responses:

- 1. In addition to Baker Brothers Life Sciences Capital (GP), LLC, this Form 4 is being filed jointly by Julian C. Baker and Felix J. Baker, each of whom has the same business address as Baker Brothers Life Sciences Capital (GP), LLC and may be deemed to have a pecuniary interest in securities owned by it. Because of certain relationships with other security holders of the Issuer, the Reporting Persons are filing solely for informational purposes as if they were members of a group of such shareholders. (Continued in footnote 2).
- 2. However, the Reporting Persons disclaim that they and any other person or persons, in fact constitute a "group" for purposes of Section 13(d)(3) of the Securities Exchange Act of 1934, as amended, or Rule 13d-5 thereunder or that they are the beneficial owners of securities owned by any such other persons, and each of them disclaims beneficial ownership of securities reported herein except to the extent of their pecuniary interest, if any, therein.
- 3. Represents securities owned directly by Baker Brothers Life Sciences, L.P., the sole general partner of which is Baker Brothers Life Sciences Capital, L.P., a limited partnership the sole general partner of which is Baker Brothers Life Sciences Capital (GP), LLC. Julian C. Baker and Felix J. Baker are the controlling members of Baker Brothers Life Sciences Capital (GP), LLC.

/s/ Julian C. Baker, as

Managing Member of Baker 07/30/2008

Brothers Life Sciences Capital

(GP), LLC

<u>/s/ Julian C. Baker</u> <u>07/30/2008</u> <u>/s/ Felix J. Baker</u> <u>07/30/2008</u>

** 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.