Ardea Biosciences, Inc./DE Form 4 April 08, 2010

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION					
Washington, D.C. 20549					

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

Form 4 or Form 5 obligations

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

burden hours per response... 0.5

may continue. See Instruction Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Baker Brothers Life Sciences Capital 2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

(GP), LLC

Ardea Biosciences, Inc./DE [RDEA]

(Check all applicable)

(Last)

(First)

(Street)

(Middle) 3. Date of Earliest Transaction

04/06/2010

(Month/Day/Year)

X Director X 10% Owner Other (specify Officer (give title

667 MADISON AVENUE, 17TH

FLOOR

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line)

Form filed by One Reporting Person X Form filed by More than One Reporting

below)

NEW YORK, NY US 10021

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Month/Day/Year) (Instr. 3)

2. Transaction Date 2A. Deemed Execution Date, if any

(Month/Day/Year)

4. Securities Acquired 3. Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

7. Nature of 5. Amount of 6. Securities Ownership Indirect Beneficially Form: Beneficial Owned Direct (D) Ownership Following or Indirect (Instr. 4)

(A) or

Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)

Code V

Amount (D) Price

Through Partnership

Common 04/06/2010 P 486,569 Α \$ 20 3,680,512 (3) I Stock (1) (2)

(3)

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

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 control number.

SEC 1474 (9-02)

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

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1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transacti	5. orNumber	6. Date Exerc Expiration Da		7. Title		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(manazay, 16ar)	any (Month/Day/Year)	Code (Instr. 8)	of (Month/Day/Year)			Underl Securit	ying	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
coposing of the state of the state of	Director	10% Owner	Officer	Other			
Baker Brothers Life Sciences Capital (GP), LLC 667 MADISON AVENUE, 17TH FLOOR NEW YORK, NY US 10021	X	X					
BAKER FELIX 667 MADISON AVENUE, 17TH FLOOR NEW YORK, NY US 10021	X	X					
BAKER JULIAN 667 MADISON AVENUE, 17TH FLOOR NEW YORK, NY US 10021	X	X					

Signatures

/s/ Julian C. Baker, as Managin LLC	g Member of Baker Brothers Life Sciences Capital (GP),	04/08/2010
	**Signature of Reporting Person	Date
/s/ Julian C. Baker		04/08/2010
	**Signature of Reporting Person	Date
/s/ Felix J. Baker		04/08/2010
	**Signature of Reporting Person	Date

Explanation of Responses:

- * 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).

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

(1) interest in securities owned by it. Felix J. Baker is a director of the Issuer. 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).

Reporting Owners 2

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- 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.
- Represents securities owned directly by Baker Brothers Life Sciences, L.P., the sole general partner of which is Baker Brothers Life (3) 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.

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.