

Ardea Biosciences, Inc./DE
 Form 3
 April 24, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *			2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â BAKER BROS ADVISORS LLC			(Month/Day/Year)	Ardea Biosciences, Inc./DE [RDEA]	
(Last)	(First)	(Middle)	04/12/2012		
667 MADISON AVENUE 21ST FLOOR			4. Relationship of Reporting Person(s) to Issuer		
(Street)			(Check all applicable)		
NEW YORK, NY US 10065			<input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below)		
(City)	(State)	(Zip)	5. If Amendment, Date Original Filed(Month/Day/Year)		
			6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	0	I <u>(1)</u> <u>(2)</u> <u>(3)</u> <u>(4)</u>	See footnotes <u>(1)</u> <u>(2)</u> <u>(3)</u> <u>(4)</u>

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

SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)
Warrants	06/17/2009	12/18/2013	Common Stock	0 ⁽¹⁾	\$ 11.14	I	See footnotes ⁽²⁾ <u>(3)</u> <u>(4)</u>

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BAKER BROS ADVISORS LLC 667 MADISON AVENUE 21ST FLOOR NEW YORK, NY US 10065	Â X	Â X	Â	Â

Signatures

BAKER BROS. ADVISORS, LLC, Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing 04/24/2012

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) Baker Bros. Advisors, LLC ("the Adviser") serves as the Investment Adviser to Baker Brothers Life Sciences, L.P. (direct holder of 4,922,226 shares and 147,292 underlying warrants), 14159, L.P. (direct holder of 116,454 shares and 4,023 underlying warrants), 667, L.P. (direct holder of 1,646,964 shares and 46,195 underlying warrants), Baker Bros. Investments II, L.P. (direct holder of 65,882 shares and 205 underlying warrants), Baker Bros. Investments, L.P. (direct holder of 60,827 shares), and Baker Tisch Investments, L.P. (direct holder of 99,636 shares and 998 underlying warrants)("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.
- (2) On April 12, 2012 the Adviser, the Funds, and the general partners of the Funds entered into an amended and restated management agreement which gave the Adviser complete and unlimited discretion and authority with respect to the Fund's investments and voting power over investments. The general partners of the Funds relinquished all discretion and authority with respect to the Fund's investments and voting power over investments.
- (3) Julian C. Baker and Felix J. Baker each may be deemed to control the Adviser and to indirectly beneficially own the shares beneficially owned by it. Julian C. Baker and Felix J. Baker disclaim beneficial ownership of these securities, except to the extent of their pecuniary interest therein and this report shall not be deemed an admission that Felix J. Baker or Julian C. Baker is the beneficial owner of the above referenced securities for purposes of Section 16 or for any other purpose.
- (4) The shares over which the Adviser is reporting have already been reported by Felix J. Baker and Julian C. Baker in their own Forms 3 and 4. In the future the Adviser may jointly file Section 16 reports with Julian C. Baker and Felix J. Baker. Felix J. Baker is a Director of the Issuer.

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Remarks:

ForÂ purposesÂ ofÂ SectionÂ 16Â ofÂ theÂ SecuritiesÂ andÂ ExchangeÂ ActÂ ofÂ 1934,Â asÂ amendedÂ (theÂ "Exchange Act")

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.