Ardea Biosciences, Inc./DE Form SC 13D/A February 14, 2007

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

SCHEDULE 13D Under the Securities Exchange Act of 1934

(Amendment No. 3)

ARDEA BIOSCIENCES, INC.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

46116T 506

(CUSIP Number)

Leo Kirby 667 Madison Avenue, 17th Floor New York, NY 10021 (212) 339-5633

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

December 31, 2006

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of ss.ss.240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. $|_|$

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

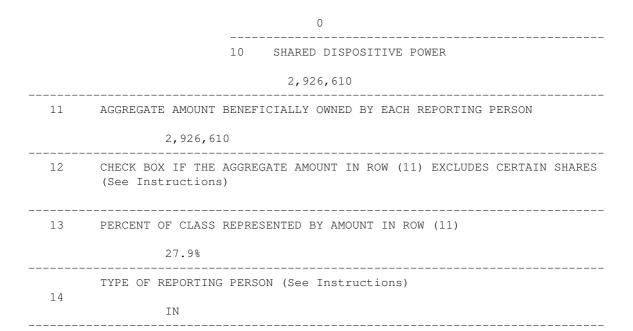
The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 7 Pages

SCHEDULE 13D

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Page 3 of 7 Pages

This Amendment No. 3 to Schedule 13D is being filed by Julian C. Baker and Felix J. Baker (the "Reporting Persons") to supplement the statements on Schedule 13D previously filed by them, as heretofore amended. Except as supplemented herein, such statements, as heretofore amended and supplemented, remain in full force and effect.

Item 5. Interest in Securities of the Issuer.

Set forth below is the aggregate number of shares of Common Stock held, including shares that maybe acquired upon conversion of Preferred Stock and shares that maybe acquired upon the exercise of Warrants and Options, as of the date hereof by each of the following, together with the percentage of outstanding shares of Common Stock that such number represents based upon 10,501,000 shares outstanding as reported on the Company's Form 10Q filed on November 7, 2006. Such percentage figures are calculated on the basis that the shares of Preferred Stock and Warrants owned by the Reporting Persons are deemed converted into or exercised for shares of Common Stock but other outstanding shares of Preferred Stock and Warrants are not deemed converted or exercised.

Name	Number of Shares	Percent of class Outstanding
Baker Bros. Investments, L.P.	91,337	0.9%
Baker Bros. Investments II, L.P.	105,250	1.0%
Baker Biotech Fund I , L.P.	1,099,807	10.5%
Baker Brothers Life Sciences, L.P.	1,532,569	14.6%
14159, L.P.	19,140	0.1%
Baker Tisch Investments, L.P.	78 , 507	0.8%
Total	2,926,610	27.9%

By virtue of their ownership of entities that have the power to control the

investment decisions of the limited partnerships listed in the table above, Julian C. Baker and Felix J. Baker may each be deemed to be beneficial owners of shares owned by such entities and may be deemed to have shared power to vote or direct the vote of and shared power to dispose or direct the disposition of such securities.

The following transactions in Common Stock were effected by the entities noted below during the sixty days preceding the filing of this statement. None of the reporting Persons has effected any other transactions in Common Stock during this period.

Page 4 of 7 Pages

Name	Date	Number of Shares	Transaction	Price/ Share
Baker Tisch Investments, L.P.	12/22/2006	2,904	Purchase	3.8511
Baker Biotech Fund I, L.P.	12/22/2006	55 , 378	Purchase	3.8511
Baker Brothers Life Sciences, L.P.	12/22/2006	154,646	Purchase	3.8511
14159, L.P.	12/22/2006	5,072	Purchase	3.8511
Baker Tisch Investments, L.P.	12/26/2006	1,558	Purchase	4.0000
Baker Biotech Fund I, L.P.	12/26/2006	29,722	Purchase	4.0000
Baker Brothers Life Sciences, L.P.	12/26/2006	82 , 998	Purchase	4.0000
14159, L.P.	12/26/2006	2,722	Purchase	4.0000
Baker Tisch Investments, L.P.	1/9/2007	467	Purchase	4.7686
Baker Biotech Fund I, L.P.	1/9/2007	8,917	Purchase	4.7686
Baker Brothers Life Sciences, L.P.	1/9/2007	24,899	Purchase	4.7686
14159, L.P.	1/9/2007	817	Purchase	4.7686
Baker Tisch Investments, L.P.	1/10/2007	333	Purchase	4.8300
Baker Biotech Fund I, L.P.	1/10/2007	6,351	Purchase	4.8300
Baker Brothers Life Sciences, L.P.	1/10/2007	17,735	Purchase	4.8300
14159, L.P.	1/10/2007	581	Purchase	4.8300
Baker Tisch Investments, L.P.	1/11/2007	1,067	Purchase	5.2767

Baker Biotech Fund I, L.P.	1/11/2007	20,347	Purchase	5.2767
Baker Brothers Life Sciences, L.P.	1/11/2007	56 , 822	Purchase	5.2767
14159, L.P.		1,864	Purchase	5.2767
Baker Tisch Investments, L.P.		223	Purchase	5.98440
Baker Biotech Fund I, L.P.	1/24/2007	4,242	Purchase	5.98440
Baker Brothers Life Sciences, L.P.	1/24/2007	11,847	Purchase	5.98440
14159, L.P.	1/24/2007	388	Purchase	5.98440
Baker Tisch Investments, L.P.	1/25/2007	666	Purchase	6.0000
Baker Biotech Fund I, L.P.	1/25/2007	12,701	Purchase	6.0000
Baker Brothers Life Sciences, L.P.	1/25/2007	35 , 469	Purchase	6.0000
		1,164		

Page 5 of 7 Pages

Exhibit 4. Agreement regarding the joint filing of this statement.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 14, 2007

By: /s/ Julian C. Baker

Julian C. Baker

By: /s/ Felix J. Baker
Felix J. Baker

Page 6 of 7 Pages

EXHIBIT 4

AGREEMENT

In accordance with Rule 13d-1(k) (1) under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree that this Statement on Schedule 13D relating to the Common Stock, \$0.001 par value, of Ardea Biosciences, Inc. is being filed with the Securities and Exchange Commission on behalf of each of them

February 14, 2007

By: /s/ Julian C. Baker

Julian C. Baker

By: /s/ Felix J. Baker
Felix J. Baker

Page 7 of 7 Pages