

EXACT SCIENCES CORP  
Form SC 13G/A  
February 14, 2012

**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**SCHEDULE 13G**

**(Amendment No. 2)**

Under the Securities Exchange Act of 1934

Exact Sciences Corporation

(Name of Issuer)

Common Stock, \$0.01 par value

(Title of Class of Securities)

30063P105

(CUSIP Number)

December 31, 2011

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(Date of Event Which Requires Filing of this Statement)

Check the following box to designate the rule pursuant to which the Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*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 the disclosures provided in a prior cover page.

The information required in 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).

**CUSIP No. 30063P105**

**Names of Reporting Persons**

**I.R.S. Identification Nos. of above persons (entities only)**

1.  
D. E. Shaw & Co., L.P.  
  
13-3695715

2. Check the Appropriate Box if a Member of a Group (See Instructions)

- (a) "
- (b) "

**SEC Use Only**

3.

**Citizenship or Place of Organization**

4.  
Delaware

**Number of**

**Shares**

**Beneficially**

**Sole Voting Power**

Owned by 5.  
-0-

**Each**

**Reporting**

**Person With**

**Shared Voting Power**

6,227,557

**7. Sole Dispositive Power**

-0-

**Shared Dispositive Power**

8.  
2,279,157

**Aggregate Amount Beneficially Owned by Each Reporting Person**

9. 2,279,157

**Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) £**

10.

**Percent of Class Represented by Amount in Row (9)**

11.4.1%

**Type of Reporting Person (See Instructions)**

12.  
IA, PN

**CUSIP No. 30063P105**

**Names of Reporting Persons**

**1. I.R.S. Identification Nos. of above persons (entities only)**

David E. Shaw

**2. Check the Appropriate Box if a Member of a Group (See Instructions)**

(a)

(b)

**SEC Use Only**

3.

**Citizenship or Place of Organization**

4.

United States

**Number of**

**Shares**

**Beneficially**

**Sole Voting Power**

Owned by 5.

-0-

**Each**

**Reporting**

**Person With**

**Shared Voting Power**

6,227,557

**7. Sole Dispositive Power**

-0-

**Shared Dispositive Power**

8.  
2,279,157

**Aggregate Amount Beneficially Owned by Each Reporting Person**

9. 2,279,157

**Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)**

10.

**Percent of Class Represented by Amount in Row (9)**

11. 4.1%

**Type of Reporting Person (See Instructions)**

12.  
IN

**Item 1.**

(a) Name of Issuer  
Exact Sciences Corporation

(b) Address of Issuer's Principal Executive Offices  
441 Charmany Drive  
Madison, WI 53719

**Item 2.**

(a) Name of Person Filing  
D. E. Shaw & Co., L.P.  
David E. Shaw

(b) Address of Principal Business Office or, if none, Residence  
The business address for each reporting person is:  
1166 Avenue of the Americas, 9<sup>th</sup> Floor  
New York, NY 10036

(c) Citizenship  
D. E. Shaw & Co., L.P. is a limited partnership organized under the laws of the state of Delaware.  
David E. Shaw is a citizen of the United States of America.

(d) Title of Class of Securities  
Common Stock, \$0.01 par value

(e) CUSIP Number  
30063P105

Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

Not Applicable

Item 4. Ownership

As of December 31, 2011:

(a) Amount beneficially owned:

D. E. Shaw & Co.,  
L.P.: 2,279,157 shares

This is composed of (i) 1,207,025 shares in the name of D. E. Shaw Oculus Portfolios, L.L.C., (ii) 1,017,430 shares in the name of D. E. Shaw Valence Portfolios, L.L.C., and (iii) 54,702 shares under the management of D. E. Shaw Investment Management, L.L.C.

David E. Shaw: 2,279,157 shares

This is composed of (i) 1,207,025 shares in the name of D. E. Shaw Oculus Portfolios, L.L.C., (ii) 1,017,430 shares in the name of D. E. Shaw Valence Portfolios, L.L.C., and (iii) 54,702 shares under the management of D. E. Shaw Investment Management, L.L.C.

(b) Percent of class:

D. E. Shaw & Co., L.P.: 4.1%  
David E. Shaw: 4.1%

(c) Number of shares to which the person has:

(i) Sole power to vote or to direct the vote:

D. E. Shaw & Co., L.P.: -0- shares  
David E. Shaw: -0- shares



(ii) Shared power to vote or to direct the vote:

D. E. Shaw & Co., L.P.:	2,270,557 shares
David E. Shaw:	2,270,557 shares

(iii) Sole power to dispose or to direct the disposition of:

D. E. Shaw & Co., L.P.:	-0- shares
David E. Shaw:	-0- shares

(iv) Shared power to dispose or to direct the disposition of:

D. E. Shaw & Co., L.P.:	2,279,157 shares
David E. Shaw:	2,279,157 shares

David E. Shaw does not own any shares directly. By virtue of David E. Shaw's position as President and sole shareholder of D. E. Shaw & Co., Inc., which is the general partner of D. E. Shaw & Co., L.P., which in turn is the manager and investment adviser of D. E. Shaw Valence Portfolios, L.L.C., the investment adviser of D. E. Shaw Oculus Portfolios, L.L.C., and the managing member of D. E. Shaw Investment Management, L.L.C., and by virtue of David E. Shaw's position as President and sole shareholder of D. E. Shaw & Co. II, Inc., which is the managing member of D. E. Shaw & Co., L.L.C., which in turn is the manager of D. E. Shaw Oculus Portfolios, L.L.C., David E. Shaw may be deemed to have the shared power to vote or direct the vote of 2,270,557 shares, and the shared power to dispose or direct the disposition of 2,279,157 shares, the 2,279,157 shares as described above constituting 4.1% of the outstanding shares and, therefore, David E. Shaw may be deemed to be the beneficial owner of such shares. David E. Shaw disclaims beneficial ownership of such 2,279,157 shares.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following x.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group  
Not Applicable

Item 10. Certification

By signing below, each of D. E. Shaw & Co., L.P. and David E. Shaw certify that, to the best of such reporting person's knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purposes or effect.

**SIGNATURE**

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct. A Power of Attorney, dated December 15, 2011, granted by David E. Shaw in favor of Nathan Thomas, is attached hereto.

Dated: February 14, 2012

D. E. Shaw & Co., L.P.

By: /s/ Nathan Thomas  
Nathan Thomas  
Chief Compliance Officer

David E. Shaw

By: /s/ Nathan Thomas  
Nathan Thomas  
Attorney-in-Fact for David E. Shaw