

BRUKER BIOSCIENCES CORP  
Form SC 13G/A  
February 13, 2008

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

**SCHEDULE 13G/A**

**Under the Securities Exchange Act of 1934  
(Amendment No. 8)\***

**Brucker BioSciences Corporation**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**116794108**

(CUSIP Number)

**December 31, 2007**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this 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. 116794108

- |     |                                                                                                           |                                                                                     |
|-----|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1.  | Names of Reporting Persons<br>Dirk D. Laukien                                                             |                                                                                     |
| 2.  | Check the Appropriate Box if a Member of a Group (See Instructions)                                       |                                                                                     |
|     | (a) <input type="radio"/>                                                                                 |                                                                                     |
|     | (b) <input type="radio"/>                                                                                 |                                                                                     |
| 3.  | SEC Use Only                                                                                              |                                                                                     |
| 4.  | Citizenship or Place of Organization<br>United States                                                     |                                                                                     |
| 5.  | Sole Voting Power<br>Approximately 11,435,190 shares                                                      | Number of<br>Shares<br>Beneficially<br>Owned by<br>Each<br>Reporting<br>Person With |
| 6.  | Shared Voting Power<br>41,293 shares                                                                      |                                                                                     |
| 7.  | Sole Dispositive Power<br>Approximately 11,435,190 shares                                                 |                                                                                     |
| 8.  | Shared Dispositive Power<br>41,293 shares                                                                 |                                                                                     |
| 9.  | Aggregate Amount Beneficially Owned by Each Reporting Person<br>Approximately 11,476,483 shares           |                                                                                     |
| 10. | Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="radio"/> |                                                                                     |
| 11. | Percent of Class Represented by Amount in Row (9)<br>10.9%                                                |                                                                                     |
| 12. | Type of Reporting Person (See Instructions)<br>IN                                                         |                                                                                     |

**Item 1.**

- (a) Name of Issuer  
Bruker BioSciences Corporation
- (b) Address of Issuer's Principal Executive Offices  
40 Manning Road  
Billerica, MA 01821

**Item 2.**

- (a) Name of Person Filing  
Dirk D. Laukien
- (b) Address of Principal Business Office or, if none, Residence  
2700 Crescent Ridge Drive  
The Woodlands, TX 77381
- (c) Citizenship  
United States
- (d) Title of Class of Securities  
Common Stock, par value \$0.01 per share.
- (e) CUSIP Number  
116794108

**Item 3.**

- If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**
- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
  - (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
  - (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
  - (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
  - (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
  - (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
  - (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
  - (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
  - (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
  - (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).
- Not applicable.

**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:
  - 11,476,483 shares
- (b) Percent of class:
  - 10.9%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote
  - (ii) 11,435,190 shares  
Shared power to vote or to direct the vote
  - (iii) 41,293 shares  
Sole power to dispose or to direct the disposition of
  - (iv) 11,435,190 shares  
Shared power to dispose or to direct the disposition of
  - 41,293 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 five percent of the class of securities, check the following .

Not applicable.

**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**  
Not applicable.

**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 8, 2008  
Date

/s/ Dirk D. Laukien  
Signature

Dirk D. Laukien  
Name/Title