KISSINGER PETER Form SC 13D/A June 05, 2009

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Bioanalytical Systems, Inc.

(Name of Issuer)

Common Shares

(Title of Class of Securities)

09058M 10 3

(CUSIP Number)

Peter T. Kissinger, Ph.D. 111 Lorene Place West Lafayette, IN 47906-8620

Copy to:
James A. Aschleman
Baker & Daniels LLP
900 E. 96th Street, Suite 600
Indianapolis, IN 46240

(Name, Address and Telephone Number of Person Authorized to

Receive Notices and Communications)

June 5, 2009

(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 Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. |X|

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Section 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).

CUSIP No. 09058	M 10 3
1. Name of Repor	
2. Check the App	ropriate Box if a Member of a Group (See Instructions)
(a) X	
(b) _	
3. SEC Use Only	
4. Source of Fun	ds (See Instructions): PF (see Item 3)
5. Check if Disc Items 2(d) or	losure of Legal Proceedings Is Required Pursuant to 2(e) _
6. Citizenship o	r Place of Organization: United States
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power 427,747
	8. Shared Voting Power 848,220 (1)
	9. Sole Dispositive Power 427,747
	10. Shared Dispositive Power 848,220 (1)
11. Aggregate Am	ount Beneficially Owned by Each Reporting Person: 1,275,967 (1)
	Aggregate Amount in Row (11) Excludes Certain Shares tions) _
13. Percent of C	lass Represented by Amount in Row (11): 26.0% (1)(2)
	rting Person (See Instructions) IN
	r shares voting and dispositive power over these shares with

his spouse. Includes 1,354 shares indirectly held by Ms. Kissinger as custodian for the benefit of their children.

(2) Based on 4,915,318 of the Company's Common Shares which were outstanding as of May 1, 2009.

CUSIP No. 090581	м 10 3
1. Name of Report	
2. Check the App:	ropriate Box if a Member of a Group (See Instructions)
(a) X	
(b) _	
3. SEC Use Only	
4. Source of Fund	ds (See Instructions): PF (see Item 3)
5. Check if Disc. Items 2(d) or	losure of Legal Proceedings Is Required Pursuant to 2(e) _
6. Citizenship o	r Place of Organization: United States
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power 252,310 (1)
	8. Shared Voting Power 1,023,657 (2)
	9. Sole Dispositive Power 252,310 (1)
	10. Shared Dispositive Power 1,023,657 (2)
11. Aggregate Amo	ount Beneficially Owned by Each Reporting Person:
	Aggregate Amount in Row (11) Excludes Certain Shares tions) _
13. Percent of C	lass Represented by Amount in Row (11): 26.0% (1)(2)(3)

14. Type of Reporting Person (See Instructions) IN

(1) Includes 1,354 shares indirectly held by Ms. Kissinger as custodian for the benefit of their children.

- (2) Ms. Kissinger shares voting and dispositive power over these shares with her spouse.
- (3) Based on 4,915,318 of the Company's Common Shares which were outstanding as of May 1, 2009.

Explanatory Note

This statement constitutes Amendment No. 1 to the Schedule 13D filed by Peter T. Kissinger, Ph.D. and Candice B. Kissinger (collectively, the "Kissingers") on April 6, 2009. Except as specifically set forth herein, the Schedule 13D remains unmodified.

Item 4 is hereby amended to add the following:

Item 4. Purpose of Transaction

On June 5, 2009, the Kissingers provided a follow-up letter dated June 5, 2009 (the "Letter") to the Board of Directors of Bioanalytical Systems, Inc. (the "Issuer"). The Letter set forth the biographical information for the three director candidates proposed by the Kissingers to replace three of the current members of the Issuer's Board of Directors. The Letter also indicated that, after reviewing the Schedule 13D/A filed by Thomas A. Harenburg on May 14, 2009, the Kissingers support Jerome G. Marchant, the director candidate proposed by Mr. Harenburg, replacing another current member of the Issuer's Board of Directors. A copy of the Letter is filed herewith and attached hereto as Exhibit 99.3 and incorporated herein by reference. Any descriptions herein of the Letter are qualified in their entirety by reference to the Letter.

Item 7 is hereby amended to add the following exhibit:

Item 7. Material to Be Filed as Exhibits

Exhibit 99.3 - Letter from Peter T. Kissinger, Ph.D. and Candice B. Kissinger to the Board of Directors of Bioanalytical Systems, Inc., dated June 5, 2009

SIGNATURES

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.

Dated: June 5, 2009

By: /s/ Peter T. Kissinger, Ph.D.

Peter T. Kissinger, Ph.D.

By: /s/ Candice B. Kissinger

Candice B. Kissinger