

Kolchinsky Peter  
Form 4  
February 19, 2010

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
*See* Instruction  
1(b).

**STATEMENT OF CHANGES IN 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

## OMB APPROVAL

OMB  
Number: 3235-0287  
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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
RA CAPITAL MANAGEMENT,  
LLC

(Last) (First) (Middle)

C/O RA CAPITAL  
MANAGEMENT, LLC, 20 PARK  
PLAZA, SUITE 905

(Street)

BOSTON, MA 02116

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol  
BIOSPECIFICS TECHNOLOGIES  
CORP [BSTC]

3. Date of Earliest Transaction  
(Month/Day/Year)  
02/17/2010

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_X\_\_\_\_ 10% Owner  
\_\_\_\_ Officer (give title below) \_\_\_\_ Other (specify below)

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_\_\_\_ Form filed by One Reporting Person  
\_\_X\_\_ Form filed by More than One Reporting  
Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired or Disposed of (D) (Instr. 3, 4 and 5)  (A) or (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/17/2010		S	50,000 D	\$ 29.05	658,770 <u>(1)</u>	I
							see footnote <u>(2)</u>

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

**Persons who respond to the collection of  
information contained in this form are not  
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SEC 1474  
(9-02)

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RA CAPITAL MANAGEMENT, LLC C/O RA CAPITAL MANAGEMENT, LLC 20 PARK PLAZA, SUITE 905 BOSTON, MA 02116		X		
Kolchinsky Peter C/O RA CAPITAL MANAGEMENT, LLC 20 PARK PLAZA, SUITE 905 BOSTON, MA 02116		X		
RA Capital Healthcare Fund LP C/O RA CAPITAL MANAGEMENT, LLC 20 PARK PLAZA, SUITE 905 BOSTON, MA 02116		X		

## Signatures

Peter Kolchinsky, Manager of RA Capital Management, LLC	02/17/2010
__Signature of Reporting Person	Date
Peter Kolchinsky	02/19/2010
__Signature of Reporting Person	Date
Peter Kolchinsky, Manager of RA Capital Management, LLC, the General Partner of RA Capital Healthcare Fund, L.P.	02/17/2010
__Signature of Reporting Person	Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(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) These shares represent 536,778 shares held by RA Capital Healthcare Fund, L.P. ("Fund I") and 121,992 shares held by Blackwell Partners, LLC ("Blackwell").

RA Capital Management, LLC (the "Adviser") is the general partner of Fund I and the investment adviser of Blackwell. Peter Kolchinsky (2) is the sole manager of the Adviser. Each of the Reporting Persons disclaims beneficial ownership of any shares of the above names Issuer reported herein, except to the extent of his or its pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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