BSQUARE CORP /WA Form SC 13G February 13, 2008

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b) (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2 (b)

BSQUARE CORPORATION

	(Name of Issuer)
	Common Stock
	(Title of Class of Securities)
	11776U300
	(CUSIP Number)
	October 5, 2007
	(Date of Event which Requires Filing of this Statement)
	the appropriate box to designate the rule pursuant to which this Schedule
is fi	led: X Rule 13d-1(b) _ Rule 13d-1(c) _ Rule 13d-1(d)
initia for a	remainder of this cover page shall be filled out for a reporting person's al filing on this form with respect to the subject class of securities, and ny subsequent amendment containing information which would alter osures provided in a prior cover page.
to be 1934	nformation required on the remainder of this cover page shall not be deemed "filed" for the purpose of Section 18 of the Securities Exchange Act of ("Act") or otherwise subject to the liabilities of that section of the Act hall be subject to all other provisions of the Act (however, see the).
===== CUSIP	No. 11776U300 13G Page 2 of 8 Pages
1.	NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS
	Renaissance Technologies LLC 26-0385758
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _
3.	SEC USE ONLY

4.	CITIZENS	HIP O	R PLACE OF ORGA	NIZATION		
	Delaware					
		5.	SOLE VOTING P	OWER		
NUMBER OF SHARES BENEFICIALLY			554 , 175			
		6.	SHARED VOTING	POWER		
			0			
E	OWNED BY EACH		SOLE DISPOSIT	'IVE POWER		
REPORTING PERSON			554 , 175			
W	WITH		SHARED DISPOS	ITIVE POWER		
			0			
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING				H REPORTING PERSON		
	554,175					
10.		CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) _				
11.	PERCENT	OF CL	ASS REPRESENTED	BY AMOUNT IN	 ROW (9)	
	5.57%					
12.	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)					
	IA					
			Pag	re 2 of 8 Pages		
CUSIP	No. 1177	6U300		13G	Page 3 of 8	==== Pages
1.	1. NAMES OR REPORTING PERSONS S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS					
	James H. Simons					
2.	CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _					
3.	SEC USE ONLY					
4.	CITIZENS	 HTP O	 R PLACE OF ORGA			

United States							
NUMBER OF SHARES BENEFICIALLY		5.	SOLE VOTING POWER				
			554,175				
		6.	SHARED VOTING POWER				
			0				
E	OWNED BY EACH		SOLE DISPOSITIVE POWER				
REPORTING PERSON WITH			554,175				
		8.	SHARED DISPOSITIVE POWER				
			0				
9.	AGGREGA	ΓΕ AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	554,175						
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)						
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
5.57%							
12.	TING PERSON (SEE INSTRUCTIONS)						
	IN						
			Page 3 of 8 Pages				
===== CUSIP	No. 117	===== 76U300					
	1	=====					
Item 1		-	-				
			Issuer.				
			CORPORATION				
			of Issuer's Principal Executive Offices.				
			th Avenue NE, Suite 200 e WA 98004				
Item 2	2.						
	(a) Name of Person Filing.						
			hedule 13G is being filed by Renaissance Technologies LLC and James H. Simons ("Simons").				

Address of Principal Business Office or, if none, Residence.

(b)

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company

(d) Title of Class of Securities.

Common Stock

(e) CUSIP Number.

11776U300

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- (a) $|_|$ Broker or dealer registered under Section 15 of the Act.
- (b) |_| Bank as defined in Section 3(a)(6) of the Act.
- (c) |_| Insurance Company as defined in Section 3(a)(19) of the Act.
- (e) |X| Investment Adviser in accordance with Sec. 240.13d-1(b)(1)(ii)(E).
- (f) \mid Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d1(b)(1)(ii)(F).
- (g) |_| Parent holding company, in accordance with Sec. 240.13d-1(b)(ii)(G).
- (h) |_| A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (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.
- (j) $|_|$ Group, in accordance with Sec. 240.13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Sec. 240.13d-1(c), check this box $|_|$.

Item 4. Ownership

(a) Amount Beneficially Owned.

RTC: 554,175 shares

Simons: 554,175 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC.

- (b) Percent of Class. RTC: 5.57% Simons: 5.57%
- (c) Number of shares as to which each such person has
 - (i) sole power to vote or to direct the vote: RTC: 554,175

Simons: 554,175

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

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

RTC: 554,175 Simons: 554,175

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

0

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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 $\mid _ \mid$

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

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report. RIEF Trading LLC holds of record more than 5% of such securities.

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.

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Item 10. Certification.

By signing below I certify that, to the best of my 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 that purpose or effect.

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.

Date: February 12, 2008

/s/ James H. Simons
----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber

Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (see $18\ U.S.C.\ 1001$).

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