Ahn Janey Form 3 May 25, 2012 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB APPROVAL FORM 3 Washington, D.C. 20549 OMB 3235-0104 Number: January 31, **INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF** Expires: 2005 **SECURITIES** Estimated average burden hours per Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, response... Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

 Name and Address of Reporting Person <u>*</u> Â Ahn Janey 	g 2. Date of Event R Statement (Month/Day/Year	BlackRock	3. Issuer Name and Ticker or Trading Symbol BlackRock Health Sciences Trust [BME]				
(Last) (First) (Mid	ddle) 05/22/2012	4. Relationshi	4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)		
55 EAST 52ND STREET		(Chaolr	all applicable)				
(Street)		(Check	(Check all applicable) 6. Individual or Joint/Group		lual or Joint/Group		
NEW YORK, NY 1005	5	. U	<pre> 10% Own Other v) (specify below) becretary</pre>	_X_Form Person	eck Applicable Line) filed by One Reporting filed by More than One Person		
(City) (State) (Z	ip) Ta	ble I - Non-Derivat	ive Securities	Beneficially	y Owned		
1.Title of Security (Instr. 4)	Bei	Amount of Securities neficially Owned str. 4)	Ownership O	Nature of Indi wnership hstr. 5)	irect Beneficial		
Reminder: Report on a separate lir owned directly or indirectly.	e for each class of securitie	es beneficially S	EC 1473 (7-02)				
information required to currently v	ho respond to the colle n contained in this form respond unless the for alid OMB control numb re Securities Beneficially (n are not rm displays a per.	warrants antion	s convertible	(accurition)		
Table II - Derivativ	e securities beneficiary (Owneu (e.g., puts, cans,	warrants, option	s, convertible	e securrues)		
1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	f 4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)		

(Instr. 4)

Title

Expiration

Date

Date

Exercisable

Price of

Security

Amount or

Number of

Shares

Derivative

Derivative

Security:

Direct (D)

or Indirect

(Instr. 5)

(I)

0.5

Reporting Owners

Reporting Owner Name / Address	Relationships				
1	Director	10% Owner	Officer	Other	
Ahn Janey 55 EAST 52ND STREET NEW YORK, NY 10055	Â	Â	Secretary	Â	
Signatures					
/s/ Noah Gellner as Attorney-in-Fact	05/25/2012				
**Signature of Reporting Person		Date			

Explanation of Responses:

No securities are beneficially owned

* If the form is filed by more than one reporting person, see Instruction 5(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).

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Remarks:

No securities are beneficially owned

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.