BlackRock Health Sciences Trust Form 4

January 20, 2015

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

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

2. Issuer Name and Ticker or Trading

1(b).

(Last)

1.Title of

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person *

FLYNN JAMES T

Symbol

BlackRock Health Sciences Trust [BME]

(First) (Middle)

55 EAST 52ND STREET

(Street)

3. Date of Earliest Transaction

(Month/Day/Year) 01/15/2015

4. If Amendment, Date Original

Filed(Month/Day/Year)

OMB APPROVAL 3235-0287

OMB Number:

January 31, Expires: 2005

Estimated average burden hours per

response...

0.5

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify

below)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(I)

(Instr. 4)

6. Ownership

Form: Direct

(D) or Indirect Beneficial

7. Nature of

Ownership

(Instr. 4)

Indirect

Person

5. Amount of

Securities

Beneficially

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

(City) (State) (Zip)

NEW YORK, NY 10055

(Month/Day/Year)

2. Transaction Date 2A. Deemed 3. 4. Securities Execution Date, if Code

(Month/Day/Year) (Instr. 8)

TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

(A)

or

Owned Following Reported Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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

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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 3. Transaction Date 3A. Deemed 5. Number of 6. Date Exercisable and 7. Title and Amount of Conversion TransactionDerivative Derivative (Month/Day/Year) Execution Date, if **Expiration Date Underlying Securities** or Exercise Code (Month/Day/Year) (Instr. 3 and 4) Security Securities any

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired or Dispose (D) (Instr. 3, 4 and 5)	ed of	Ī			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Performance Rights (1)	(2)	01/15/2015		A		112.24		(3)	<u>(3)</u>	Common Stock	112.24

Reporting Owners

Reporting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer Other					
FLYNN JAMES T 55 EAST 52ND STREET NEW YORK, NY 10055	X							

Signatures

/s/ Eugene Drozdetski as Attorney-in-Fact 01/20/2015

**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) The Performance Rights were accrued under the BlackRock Deferred Compensation Plan.
- (2) One Performance Right is convertible into the cash value of one share of BlackRock Health Sciences Trust.
- (3) The Performance Rights are to be settled 100% in cash at the deferral period chosen by the reporting person.

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.

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