Miller Vincent A. Form 4 May 23, 2018

FORM 4

Check this box

if no longer

Section 16.

Form 4 or

obligations

Form 5

subject to

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Miller Vincent A.			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			Foundation Medicine, Inc. [FMI]	(Check all applicable)		
(Last)	(Last) (First) (Mid		3. Date of Earliest Transaction	` 		
			(Month/Day/Year)	Director 10% Owner		
150 SECOND STREET, C/O FOUNDATION MEDICINE, INC. (Street)			05/21/2018	_X_ Officer (give title Other (specify		
			03/21/2010	below) below)		
				Chief Medical Officer		
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		

Filed(Month/Day/Year)

CAMBRIDGE, MA 02141

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			d of (D)	Beneficially (D) or Be Owned Indirect (I) Ov		7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	05/21/2018		M	1,570	A	\$ 29.94	71,658	D	
Common Stock	05/21/2018		S	1,570 (1)	D	\$ 85	70,088	D	

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

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Applicable Line)

Person

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

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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. Transactic Code (Instr. 8)	5. Number on 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 29.94	05/21/2018		M	1,570	(2)	04/09/2024	Common Stock	1,570

Reporting Owners

Relationships Reporting Owner Name / Address Director

Other 10% Owner Officer

Miller Vincent A. 150 SECOND STREET C/O FOUNDATION MEDICINE, INC. CAMBRIDGE, MA 02141

Chief Medical Officer

8. I De

(In

Signatures

Robert W. Hesslein, as Attorney-in-Fact for Vincent A. Miller

05/23/2018 Date

**Signature of Reporting Person

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).
- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 6, **(1)** 2017.
- This stock option was granted on April 9, 2014 and vested in equal quarterly installments beginning on June 30, 2014 until fully vested on March 31, 2018.

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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