

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Semigran Marc</u> (Last) (First) (Middle) <u>C/O MYOKARDIA, INC.</u> <u>333 ALLERTON AVENUE</u> (Street) <u>SOUTH SAN CA 94080</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MyoKardia Inc [MYOK]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>02/08/2019</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Medical Officer</u> 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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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 (A) or Disposed Of (D) (Instr. 3, 4 and 5)	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)
			Code V	Amount (A) or (D) Price			

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code V	(A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares				
Stock Option (Right to Buy)	\$40.11	02/08/2019		A	24,900	(1) 02/07/2029	Common Stock 24,900	\$0.00	24,900	D	
Restricted Stock Units	(2)	02/08/2019		A	8,500	(2) (2)	Common Stock 8,500	\$0.00	8,500	D	

Explanation of Responses:

1. The shares underlying the option vest in 48 equal monthly installments from January 1, 2019, so long as the Reporting Person continues to be an employee of the Issuer through each vesting date. This option is subject to accelerated vesting upon termination without cause upon a change of control of the Issuer.

2. Each Restricted Stock Unit ("RSU") represents a contingent right to receive one share of Issuer's Common Stock. The shares of Common Stock underlying the RSUs vest in equal annual installments over 4 years from January 1, 2019, so that all of the underlying shares shall be vested on January 1, 2023, subject to the Reporting Person's continued employment with the Issuer through each vesting date. The RSUs are subject to accelerated vesting upon termination without cause after a change of control of the Issuer.

Remarks:

/s/ Cynthia Ladd, as Attorney-in-Fact 02/12/2019

** Signature of Reporting Person Date

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

* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.