

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

<p>1. Name and Address of Reporting Person*</p> <p><u>Spignesi Robert G. Jr.</u></p> <hr/> <p>(Last) (First) (Middle)</p> <p><u>C/O RAPID MICRO BIOSYSTEMS, INC.</u></p> <p><u>1001 PAWTUCKET BOULEVARD WEST, SUITE 280</u></p> <hr/> <p>(Street)</p> <p><u>LOWELL MA 01854</u></p> <hr/> <p>(City) (State) (Zip)</p>	<p>2. Issuer Name and Ticker or Trading Symbol</p> <p><u>RAPID MICRO BIOSYSTEMS, INC. [RPID]</u></p> <p>3. Date of Earliest Transaction (Month/Day/Year)</p> <p><u>05/17/2023</u></p> <p>4. If Amendment, Date of Original Filed (Month/Day/Year)</p>	<p>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</p> <p><input checked="" type="checkbox"/> Director 10% Owner</p> <p><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)</p> <p style="text-align: center;">PRESIDENT AND CEO</p> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p>Form filed by More than One Reporting Person</p>
<p>Rule 10b5-1(c) Transaction Indication</p> <p><input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.</p>		

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			
Class A Common Stock	05/17/2023		P		200	A	\$0.89	294,973	D	
Class A Common Stock	05/17/2023		P		100	A	\$0.901	295,073	D	
Class A Common Stock	05/17/2023		P		3,000	A	\$0.905	298,073	D	
Class A Common Stock	05/17/2023		P		14,700	A	\$0.91	312,773	D	
Class A Common Stock	05/17/2023		P		1,400	A	\$0.92	314,173	D	
Class A Common Stock	05/17/2023		P		100	A	\$0.923	314,273	D	
Class A Common Stock	05/17/2023		P		100	A	\$0.924	314,373	D	
Class A Common Stock	05/17/2023		P		100	A	\$0.925	314,473	D	
Class A Common Stock	05/17/2023		P		300	A	\$0.93	321,512 ⁽¹⁾	D	

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)					

Explanation of Responses:

1. Includes 6,739 shares acquired under the Rapid Micro Biosystems, Inc. employee stock purchase plan on March 14, 2023.

Remarks:

/s/ Jonathan Paris, Attorney-
in-Fact for Robert G. Spignesi, Jr. 05/18/2023
 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.