

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

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

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

1. Name and Address of Reporting Person* <u>5AM Ventures VI, L.P.</u> (Last) (First) (Middle) <u>501 2ND STREET, SUITE 350</u> (Street) <u>SAN FRANCISCO CA 94107</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Vor Biopharma Inc. [VOR]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/09/2021</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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			
Common Stock	02/09/2021		C		3,308,822	A	(1)	3,308,822	I	See footnote ⁽²⁾
Common Stock	02/09/2021		C		1,414,026	A	(1)	4,722,848	I	See footnote ⁽²⁾
Common Stock	02/09/2021		P		111,111	A	\$18	4,833,959	I	See footnote ⁽²⁾
Common Stock	02/09/2021		C		1,414,026	A	(1)	1,414,026	I	See footnote ⁽³⁾
Common Stock	02/09/2021		P		444,444	A	\$18	1,858,470	I	See footnote ⁽³⁾

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				
Series A-2 Preferred Stock	(1)	02/09/2021		C			45,000,000	(1)	(1)	Common Stock	3,308,822	\$0.00	0	I	See footnote ⁽²⁾
Series B Preferred Stock	(1)	02/09/2021		C			19,230,768	(1)	(1)	Common Stock	1,414,026	\$0.00	0	I	See footnote ⁽²⁾
Series B Preferred Stock	(1)	02/09/2021		C			19,230,768	(1)	(1)	Common Stock	1,414,026	\$0.00	0	I	See footnote ⁽³⁾

1. Name and Address of Reporting Person*
5AM Ventures VI, L.P.
 (Last) (First) (Middle)
501 2ND STREET, SUITE 350
 (Street)
SAN FRANCISCO CA 94107
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
5AM Partners VI, LLC
 (Last) (First) (Middle)
501 2ND STREET, SUITE 350
 (Street)
SAN FRANCISCO CA 94107
 (City) (State) (Zip)

(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
5AM Opportunities I, L.P.		
(Last)	(First)	(Middle)
501 2ND STREET, SUITE 350		
(Street)		
SAN FRANCISCO	CA	94107
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
5AM Opportunities I (GP), LLC		
(Last)	(First)	(Middle)
501 2ND STREET, SUITE 350		
(Street)		
SAN FRANCISCO	CA	94107
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Schwab Andrew J.		
(Last)	(First)	(Middle)
501 2ND STREET, SUITE 350		
(Street)		
SAN FRANCISCO	CA	94107
(City)	(State)	(Zip)

Explanation of Responses:

- Each share of Series A-2 Preferred Stock and Series B Preferred Stock automatically converted into shares of Common Stock upon the closing of the Issuer's initial public offering for no additional consideration, on a 13.6 for-one basis, and had no expiration date.
- The shares are directly held by 5AM Ventures VI, L.P. ("Ventures VI"). 5AM Partners VI, LLC ("Partners VI") is the sole general partner of Ventures VI. Dr. Kush Parmar and Andrew J. Schwab are the managing members of Partners VI and may be deemed to have shared voting and investment power over the shares beneficially owned by Ventures VI. Each of Partners VI and Mr. Schwab disclaims beneficial ownership of the shares of Common Stock held directly by Ventures VI, except to the extent of its or his pecuniary interest therein. Dr. Parmar is a director of the issuer and files separate Section 16 reports.
- The shares are directly held by 5AM Opportunities I, L.P. ("Opportunities LP"). 5AM Opportunities I (GP), LLC ("Opportunities GP") is the sole general partner of Opportunities LP. Andrew J. Schwab and Dr. Kush Parmar are the managing members of Opportunities GP and may be deemed to have shared voting and investment power over the shares beneficially owned by Opportunities LP. Each of Opportunities GP and Mr. Schwab disclaims beneficial ownership of the shares of Common Stock held directly by Opportunities LP, except to the extent of its or his pecuniary interest therein. Dr. Parmar is a director of the issuer and files separate Section 16 reports.

Remarks:

5AM Ventures VI, L.P., By:	
5AM Partners VI, LLC, its	02/09/2021
General Partner, By /s/ Kush	
Parmar, Managing Member	
5AM Partners VI, LLC, By /s/	
Kush Parmar, Managing	02/09/2021
Member	
5AM Opportunities I, L.P., By:	
5AM Opportunities I (GP), LLC,	02/09/2021
its General Partner, By /s/ Kush	
Parmar, Managing Member	
5AM Opportunities I (GP), LLC,	
By /s/ Kush Parmar, Managing	02/09/2021
Member	
/s/ Andrew J. Schwab	02/09/2021
** 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.