FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Vashington.	D.C. 20549	

Vashington, D	.C.	20549	
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Filed pursuant to	Section 16(a	a) of the Secu	ırities Exchang	e Act of 1934

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obligations may Instruction 1(b).	continue. See	Filed	pursua	ant to Section 16(a) of the	Secur	ities Exchange	934	hours per response:			0.5		
				or Se	ection 30(h) of the	Investm	ent C	ompany Act of	1940					
Name and Address of Reporting Person* Samar Michael P.				2. Issuer Name and Ticker or Trading Symbol ASSEMBLY BIOSCIENCES, INC. [ASMB]							ck all applicable) Director	10% Owner		wner
(Last) C/O ASSEMBL 331 OYSTER P		(Middle) NCES, INC. D, FOURTH FLOO		3. Date of Earliest Transaction (Month/Day/Year) 03/29/2022							below)		le Other (specify below) nancial Officer	
(Street) SOUTH SAN FRANCISCO	CA	94080		4. If Ar	mendment, Date of	f Origina	l Filed	d (Month/Day/Y	ear)	6. Ind Line)	Form filed b	y One	Filing (Check Ap Reporting Perso e than One Repo	n
(City)	(State)	(Zip)												
		Table I - N	on-Derivat	tive S	Securities Ac	quired	l, Di	sposed of,	or Ber	eficially	Owned			
1. Title of Security	(Instr. 3)		2. Transaction Date (Month/Day/Y	Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (II 8)		4. Securities A Disposed Of (I Amount			5. Amount of Securities Beneficially Owned Follov Reported Transaction(s (Instr. 3 and 4	s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	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			Transaction(s) (Instr. 3 and 4)		(msu. 4)
Common Stock	03/29/2022		A		26,250(1)	A	\$0.00	79,033 ⁽²⁾	D	
Common Stock	03/30/2022		S ⁽³⁾		2,285 D \$2.1674 ⁽⁴⁾		76,748	D		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned										

(e.g., puts, calls, warrants, options, convertible securities)

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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. Transa Code (8)		Derivativ Securitie Acquired	rivative Expiration Date urrities (Month/Day/Year) quired (A) Disposed D) (Instr.		Expiration Date		Date of Securities		f Securities Derivative Security (Inst		8. Price of Derivative Security (Instr. 5) Securities Beneficially Owned Following Reported Transaction(s)		11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)				
Stock Option (right to buy)	\$2.3	03/29/2022		A		105,000		(5)	03/29/2032	Common Stock	105,000	\$0.00	105,000	D			
Performance- based Restricted Stock Units	(6)	03/29/2022		A		26,250		(6)	03/29/2027	Common Stock	26,250	\$0.00	26,250	D			

Explanation of Responses:

- 1. Grant of restricted stock units. The restricted stock units vest in four equal installments, assuming continuous service on each vesting date, as follows: March 29, 2023; March 29, 2024; March 29, 2025; and March 29, 2025;
- 2. Includes 1,000 shares acquired under the Assembly Biosciences, Inc. 2018 Employee Stock Purchase Plan on November 14, 2021.
- 3. The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person and represents shares sold to cover tax withholding obligations in connection with the vesting of restricted stock units.
- 4. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$2.10 to \$2.25, inclusive. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within.
- 5. Grant of stock options. The stock options vest over four years, assuming continuous service on each vesting date, as follows: 25% vest on the first anniversary of the date of grant, March 29, 2023; and the remaining 75% vest in 36 approximately equal monthly installments, with the options becoming fully vested on March 29, 2026.
- 6. Each performance-based restricted stock unit ("RSU") represents a contingent right to receive one share of the Issuer's common stock. The shares are earned if either of two trading price metrics are met (each a "Stock Metric") either on or before the second or on or before the fourth anniversary of the grant date, as applicable. If a Stock Metric is met on or before the first anniversary of the grant date, then 50% of the RSUs vest on the first anniversary of the grant date and on or before the fourth anniversary of the grant date. If a Stock Metric is achieved after the first anniversary of the grant date and on or before the fourth anniversary of the grant date, then 50% of the RSUs vest on the first anniversary of the grant date, then 50% of the RSUs vest on the date that the Stock Metric is achieved and the remaining 50% of the RSUs vest on the first anniversary of the initial vesting date. Special vesting provisions apply in the case of a change in control transaction.

Remarks:

/s/ John O. Gunderson, as 03/31/2022 Attorney-in-Fact

** Signature of Reporting Person

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.