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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

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

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person * <u>ARSENAULT KAITLYN</u>  (Last) (First) (Middle) 11250 EL CAMINO REAL, SUITE 100 C/O SKYE BIOSCIENCE, INC.  (Street) SAN DIEGO CA 92130  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Skye Bioscience, Inc. [ SKYE ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner Officer (give title below) Other (specify below)  Chief Financial Officer
	3. Date of Earliest Transaction (Month/Day/Year) 02/29/2024	
	4. If Amendment, Date of Original Filed (Month/Day/Year) 03/01/2024	

**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	02/29/2024		A		25,000 <sup>(1)</sup>	A	\$0 <sup>(2)</sup>	209,738	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)	Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$14.56	02/29/2024		A		75,000		(3)	03/01/2034	Common Stock	75,000	\$0	75,000	D	

**Explanation of Responses:**

- Represents a restricted stock unit ("RSU") award that vests on the following milestones: 25% vests upon achieving a market cap of \$750M and a stock price of \$20.00 per share, an additional 25% vests upon achieving a market cap of \$1B and a stock price of \$25.00 per share, an additional 25% vests upon achieving a market cap of \$1.25B and a stock price of \$30.00 per share, an additional 25% vest upon achieving a market cap of \$1.5B or greater and a stock price of \$35.00 per share; provided, however, that no RSUs shall vest until the compensation committee of the Issuer determines that shares can be sold into the market to cover withholding tax obligations associated with the vesting of the RSUs. Upon a change in control of the Issuer, 100% of the RSU's will become fully vested.
- Each RSU represents a contingent right to receive one share of the Issuer's common stock.
- The option grant shall be exercisable for a price of \$14.56 per option share for ten years from February 29, 2024 and the options will vest in equal monthly installments over the four year period beginning February 29, 2024. Upon a change in control of the Issuer, 100% of the options will become fully vested.

**Remarks:**

/s/ Kaitlyn Arsenaault 03/04/2024  
 \*\* 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.